



MAR BASELIOS  
COLLEGE OF ENGINEERING AND TECHNOLOGY  
AUTONOMOUS



# AUKERA

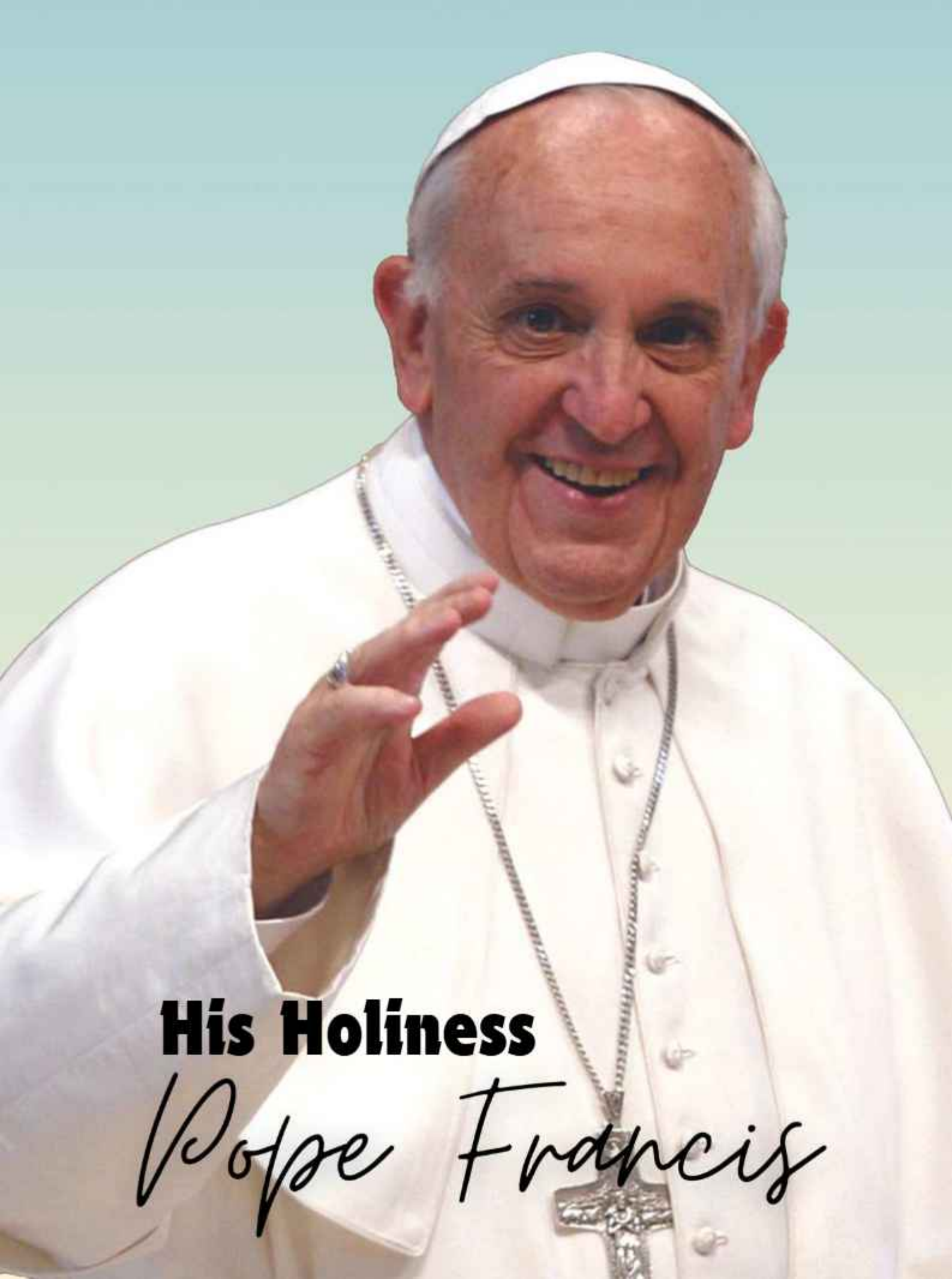
MAGAZINE 2023-24



*Motto*  
**DUCC IN ALTUM**  
Leading to the Heights of Excellence

*College Anthem*

**Can't you hear the thunder of Bethany Hills,  
Where the shadows flee in the shining light  
With the sword of truth and the shield of faith,  
We rise in knowledge, wisdom, and grace.  
We will change the way we see the world,  
Our Destiny is written by the author of Life  
and Thank the Lord of Heaven and earth,  
Our strength, our hope our deliverer Baselios!  
We are many, we are one heart Baselios!  
We live in honor and passion,  
Baselios! Baselios!**



**His Holiness**

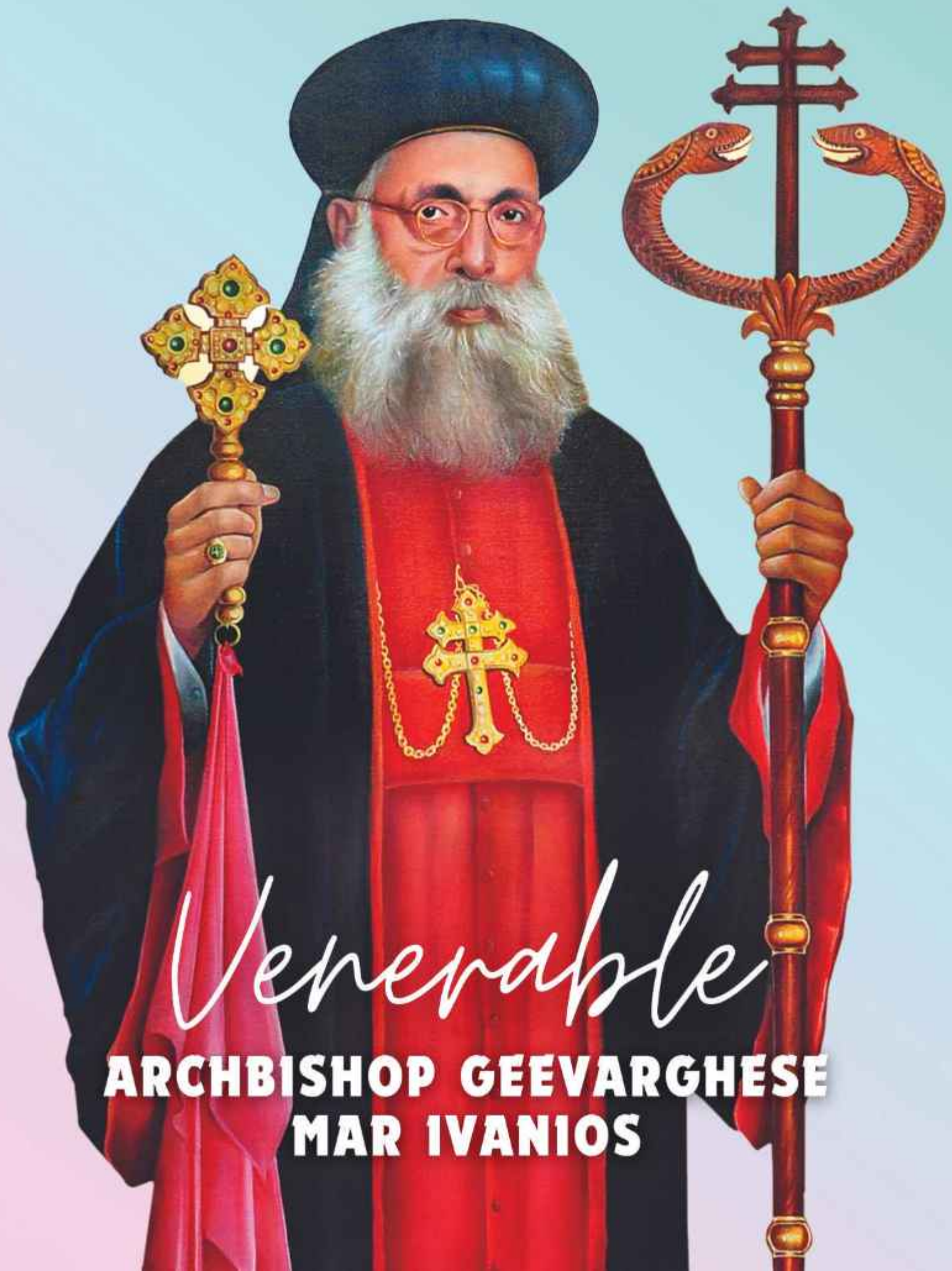
*Pope Francis*

# **VISION**

**To be an Institution moulding  
globally competent Professionals  
as epitomes of Noble Values**

# **MISSION**

**To transform the Youth as technically  
competent, ethically sound and socially  
committed professionals, by providing a  
vibrant learning ambience, for the welfare  
of humanity**



*Venerable*

**ARCHBISHOP GEEVARGHESE  
MAR IVANIOS**

**HIS BEATITUDE  
MORAN MOR  
CYRIL BASELIOS  
CATHOLICOS**

1935 – 2007



**OUR FOUNDER**

**HIS BEATITUDE  
MORAN MOR  
BASELIOS  
CARDINAL  
CLEEMIS  
CATHOLICOS**

MAJOR ARCHBISHOP CATHOLICOS  
OF THE SYRO MALANKARA  
CATHOLIC CHURCH



**OUR PATRON AND MANAGER**

# From EDITOR'S DESK



**SOPHY MARIA JOY**  
MAGAZINE EDITOR

*"The golden opportunity you are seeking is in yourself. It is not in your environment; it is not in luck or chance or the help of others; it is in yourself alone." — Orison Swett Marden*

Often times, unexpected opportunities decided to give chances that can be life altering. The College Magazine 2023-24 started off with an unexpected opportunity that came my way, when I was nominated as the magazine editor for the year. From constituting the team to submitting the final drafts, the way was filled with the unexpected. Each step was nothing short of an opportunity for each one of us, teaching us our strengths, weaknesses and teaching us the importance of team work, resilience and commitment.

The unexpected opportunities in life create beautiful memories. These memories serve as a connection to our past in the future and makes us who we are: human beings with emotional tethers to the ways we have been through. Opportunity is a gateway to growth and transformation, offering a chance to explore new avenues and unlock potential. It can come in various forms—personal, professional, or educational—and often arrives unexpectedly. Embracing opportunity requires an open mind, readiness to take risks, and the courage to step out of one's comfort zone. By seizing opportunities, individuals can achieve their goals, gain valuable experiences, and pave the way for future success. Ultimately, opportunity is the catalyst for progress and innovation.

The College Magazine this year explores all things that have

come through as opportunities in our College. MBCET is entering its 22nd year of excellence in education. This magazine is the first since the College has had all batches under the autonomous scheme. This year's achievements both in curricular, co-curricular and extra-curricular activities have outshined all preceding years. It is all in the opportunities we have had so far.

This magazine is a culminating effort of a dedicated team, who worked day and night to bring this magazine to fruition. I would like to extend my heartfelt gratitude to all those who were instrumental in this magazine, especially Dr. George Zachariah, Professor and Staff Editor of this magazine, who guided us every step of the way. I would also like to thank my editorial and design teams for their effort and wholehearted support.

As we flip the page, we present to you AUKERA, exploring the opportunities that are presented to every human being. A beautiful word from the Basque language, AUKERA celebrates everything that has happened in the College during this year and opens the door for a future unlike any other.

We hope AUKERA gives you an experience like no other.



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# THE VAN-GUARD



**Rev. Fr. John Varghese**  
Palanilkunnathil  
*Bursar & Director*



**Rev. Fr. Thomas Mukalumpurathu**  
*Asst. Bursar & Finance Officer*



**Dr. Abraham T. Mathew**  
*Outgoing Principal*



**Dr. S. Viswanatha Rao**  
*Principal*



**Dr. Paul Thomas**  
*Professor & Dean (Post Graduate Studies & Research)*



**Dr. M. J. Jayashree**  
*Professor & Dean (Academic Affairs-UG)*



**Dr. Neethu Roy**  
*Professor & Dean (Research & Consultancy)*



**Dr. K. Muraleedharan Nair**  
*Professor & Dean (Administration)*



**Dr. Rajesh T.N.**  
*Professor & Dean (Student Affairs)*



**Dr. S. Ushakumari**  
*Professor & Dean (Corporate Relations)*



**Ms. Charivil Sojy Rajan**  
*Assistant Professor & Assistant Dean (Alumni Affairs)*



**Dr. Nisha G. K.**  
*Professor & IQAC Coordinator*



**Dr. Jisha S.V.**  
*Associate Professor &  
HOD CE*



**Dr. Jisha John**  
*Professor & HOD CS*



**Dr. Luxy Mathews**  
*Associate Professor &  
HOD EC*



**Dr. Elizabeth Varghese**  
*Associate Professor &  
HOD EE*



**Dr. Remil George Thomas**  
*Professor & HOD ME*



**Dr. Archana P. Das**  
*Associate Professor &  
HOD S&H*



**Dr. Deepak Raj**  
*Assistant Director &  
HOD PE*



**Prof. Raju K. Gopal**  
*Professor & Head  
ITMS*



**Dr. Tessy Mathew**  
*Professor &  
Head, Centre for  
Computational  
Intelligence and Cyber  
Security*



**Dr. Nidhi M. B.**  
*Professor & Head,  
Centre for Professional  
Development and  
Lifelong Learning*



**Dr. Jayakumari J.**  
*Professor &  
International Liaison  
Officer*



**Mr. Arun J. S.**  
*Nodal Officer  
Catalyst IEDC MBCET*



Mr. JINU BABY  
Staff Coordinator

# MBCET SENATE



Ms. ANUPAMA KRISHNAN  
Staff Coordinator



SREEKANTH M. R.  
Chairperson



JULIA ALEX  
Vice Chairperson



NAMITHA NAIR  
General Secretary



NICOL THERESA SUNNY  
Sports Secretary



AJAY KRISHNAN R.K.  
Arts Secretary



ROHAN U. S.  
Media Secretary



SOPHY MARIA JOY  
Magazine Editor



AMITH RAVISANKAR  
UUC



NEERAJ PRABHU  
UUC



SUJA S.  
PG Representative



THERESA ANN THOMAS  
CE Representative



ADLU RAHMAN M.  
CS Representative



BLESSY SMITHA DAS  
EE Representative



PARVATHY ANIL  
EC Representative



IHAN AHAMMED  
ME Representative



SREELEKSHMI A.S.  
CT Representative



ADITHYA S. PILLAI  
EL Representative



ANUPAMA SIBY  
Girl Representative



SONA S.  
Girl Representative

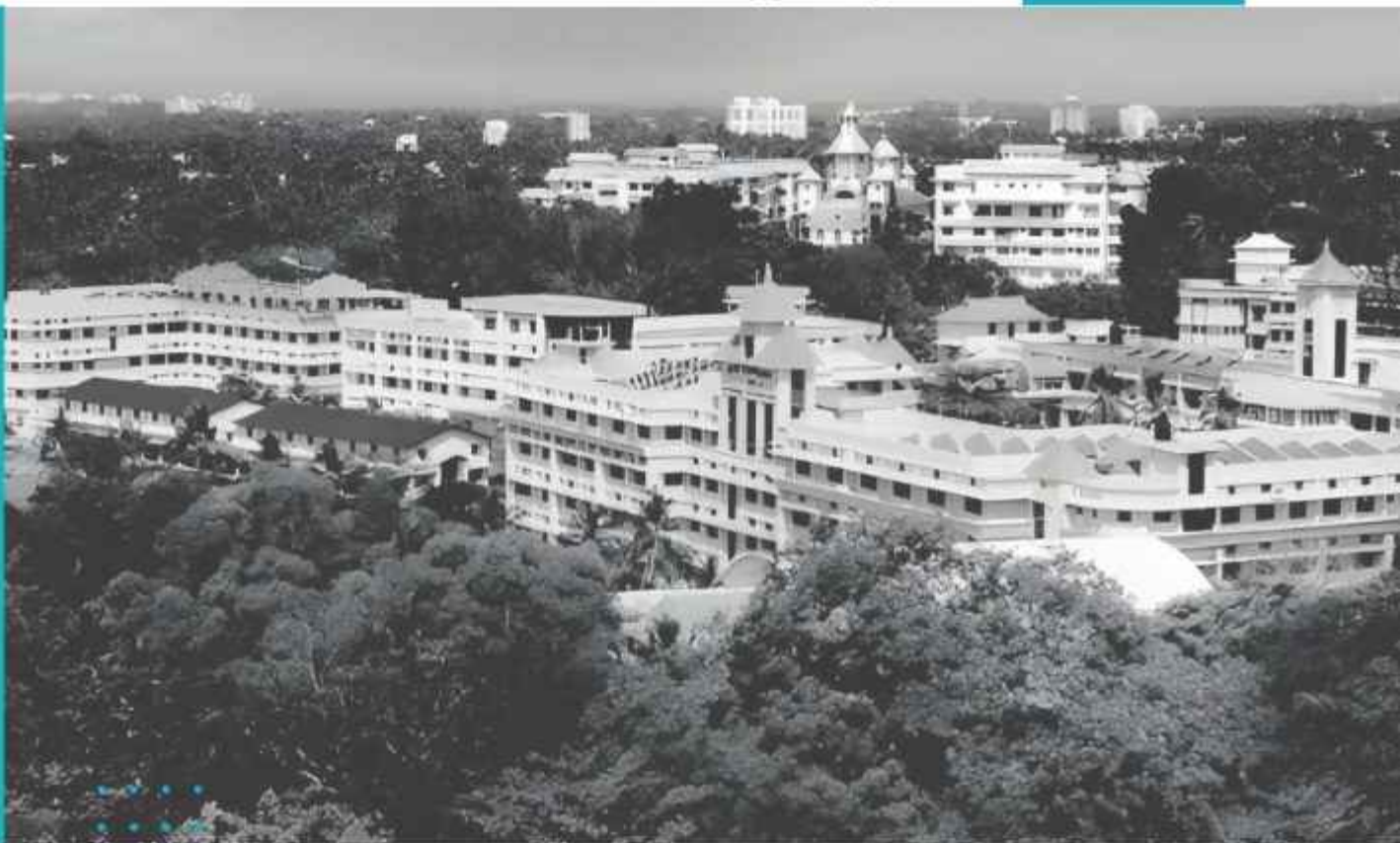


BHAVANA S. MOORTHY  
Girl Representative



# ANNUAL REPORT 2023-2024

As on 31st May 2024, presented on the occasion  
of College Day 2024



**DR. ABRAHAM T MATHEW**  
Principal



## INTRODUCTION

Mar Baselios College of Engineering and Technology has entered into the third decade of its magnificent technical education mission which it started in the year 2002. The year 2023-2024 has been the time of many vibrant activities in all the domains covering academic, co academic and the extra-curricular activities as well. The last B.Tech Batch under the University Affiliation system has graduated in 2023. The second batch of students under autonomy comprising the M.Tech 2021-2023 batch had graduated in 2023 and the APJ Abdul Kalam Technological University had awarded them the Degrees. The first B.Tech batch under autonomy is currently in the final year and they will be graduating on time in 2024. The College has entered into new collaborations with industries for facilitating the training, internships and placements for the students, despite the dull situation in the employment market. The College has pioneered in offering long term internships and industry designed electives through an MoU with Nissan Digital India. Another major achievement is the landmark tie up with Hykon India Ltd by which it was possible to start the Product Development Centre in the area of Power Electronics and Converters, which is fully supported by M/s Hykon India Ltd. The report carries the glimpses of our activities and achievements during the year under report.



## ADMISSION 2023

The admissions in 2023 to the 22nd batch of the College, which is the fourth batch under autonomy, was completed in September 2023. 590 students were admitted in the seven B Tech programmes during the Admission in 2023. 33 students joined the M.Tech programmes and two scholars have joined for the Ph.D Programme. The enrollment in the B.Tech programmes of CSE(Artificial Intelligence) and Electrical and Computer Engineering, started in 2022, have been excellent. The enrollment in the PG programmes has also been good.

## STUDENT INDUCTION PROGRAMME FOR UG

The AICTE mandated Student Induction programme (SIP) was conducted for two weeks from 09th to 22nd September 2023. The SIP was started ceremoniously with the Welcome Ceremony for the freshers, namely PARODOS 2023 on 09th September 2023. His Excellency Most Rev. Dr. Mathews Mar Polycarpus was the Chief Guest for the Parodos 2023. The invited talks, personality grooming sessions, bridge courses, lessons on Universal Human Values, Department level orientation, introduction to Professional Bodies, etc. were part of the SIP. The programme was concluded with a valedictory and entertainment programme by the freshers on 22nd September.

## ACADEMICS

The academic year 2023-2024 technically began in July 2023. The impact of the covid 19 pandemic on the staggering of the semesters has been managed to a greater extent. The batch of B.Tech which was started in 2020 with a significant delay of one semester will be graduating in 2024 on completion of the fourth year, thanks to the uncompromising and tremendous effort put by the Faculty and Staff and the Examination wing. All members of the faculty and staff were very sincerely putting in their best efforts. MBCET as a Research Centre of the APJ Abdul Kalam Technological University has 16 Ph.D Scholars working currently under the guidance the Faculty guides.

Students belonging to the 2019-2023 batch of the B.Tech completed the contact requirements in June 2023. There were around 536 students in that batch. The ceremonial Course Completion ceremony Exodos 2023 was conducted on 23 May 2023. His Beatitude Moran Mor Baselios Cardinal Cleemis Catholicos delivered the Benedictory Address. Dr S Unnikrishnan Nair, Director, VSSC, ISRO was the Chief Guest.

The second batch of 18 PG students completed the M.Tech Degree Programme under the autonomy scheme in 2023-2024. Degree certificates were issued by the APJ Abdul Kalam Technological University. The Convocation was conducted on 07 October 2023. Rt Rev Dr Varkey Attupurath Corepiscopo, Vicar General, Major Archdiocese of Trivandrum presided over the function. Dr Samson Mathew, Director, National Transportation Planning and Research Centre (NATPAC) and Former Dean, NIT Trichy was the Chief Guest.

There are around 2050 students currently enrolled in the various courses during 2023-2024, including B.Tech, M.Tech and Ph.D. Two Ph.D Scholars who have been working in the College have completed their final viva voce examination and have become eligible for the Ph.D Degree of the APJ Abdul Kalam Technological University. They were guided by Dr J Jayakumari, Professor and Head, ECED.

## STUDENT INDUCTION PROGRAMME FOR UG

MBCET has been in the forefront for offering good quality education, since its beginning in 2002. The Autonomous status conferred in July 2020 will be valid till 2030. The College could secure accreditation by NAAC with A Grade with a CGPA of 3.13 in 2016 and this will be valid till December 2025. The accreditation by the National Board of Accreditation for five B.Tech Programmes was given first time in 2016 and the new round of accreditation was done in 2022 which will be valid till June 2025. Teams have been already formed for the next round of accreditation which is forthcoming in 2025-2026.

## TRAINING AND CAMPUS PLACEMENT

It is a matter great pride that the 2024 graduating batch has secured over 280 offers through the online/on-campus selection processes, covering both undergraduate and graduate programmes. Several students have received internship offers also. This year the CTC offers were higher than the average and it's a big highlight. This achievement has become possible with the grand support from our stakeholders and well-wishers and this has pushed the students and the College up in the employment value chain. The current list of recruiters includes prominent MNCs such as Signify, Nissan Digital India, IBM, Quest Global, Tata Elxsi, Experion Technologies, H&R Block, Speridian, QBurst, Vinvish, Carestack, South Indian Bank, Federal Bank, GAEP, Bosch Ltd., UST and so on. A record number of recruiters in the history of MBCET with 45 plus recruiters have visited the College in this year. Congratulations to all the students for their outstanding accomplishments! The efforts put in by the Corporate Relations team and the Training and Placement Cell are appreciated.

## ACCOMPLISHMENTS IN THE EXTRACURRICULAR ARENA

The College continues to uphold the tradition of promoting sports and games. Our Students have participated in various items at the State level and National levels. At the University level competitions, this year also, MBCET was able to secure a very good position among the 143 Engineering Colleges because of the commendable performance of the students. In the KTU Annual Athletics Meet MBCET secured third position in the Men's category and Secured Fifth position in the overall championship. Mr Shone C Achankunju of S4 EC2 came out as the fastest athlete, clocking 11.53 seconds in the 100 metre race. In the University games section, we were able to achieve a lot. In the A Zone competition for Women, our College won in Kabaddi, Basketball and Table Tennis competitions and in Men's section we were the winners in Table Tennis, Basketball. Runners up in Chess and Second Runner Up in Shuttle Badminton and Volleyball. In the Inter Zone Men Competitions we were the winners in Lawn Tennis Championship, Runners in Basketball and Yogasana competition and in Women's competitions our team got second position in Basketball and third position in Netball. The College Basketball team lifted quite a good number of Inter Collegiate Men's Basketball Championships which includes Amrita Trophy, Mar Baselian Trophy, Runners up of Viswadeepthi Trophy and the Providence Cup. 5 students, altogether, from Men and Women sections, got selected to the University teams. Of these five are in Basketball, One in Volleyball, Two in Lawn Tennis, One in Table Tennis, One in Yogasana and Two in Athletics. Ashish E of S1CT represented Kerala Junior Basketball team for the Nationals which was held at Bhubaneswar. Keerthana D S of S1CE1 got selected to the Kerala Junior Women Hockey team. Ashik S C of S6 EE secured Gold medal and Silver medal in the District Youth and Senior Arm Wrestling competition and got selected to the State competition. The Physical Education Department also organized University level competitions like A Zone Men's Basketball Tournament, Men's and Women's Chess Championship, Inter Zone Men Basketball Competition, Inter Zone Men Volleyball competition, Inter Zone Men and Women Netball Competitions.



## ACTIVITIES IN THE DEPARTMENT

Our Academic Departments have been discharging their duties diligently well. There are four dimensions in their activities, namely academic, research, professional and community outreach. In the academic front we undertake various measures to impart high quality education. The research activities are supported in all the Departments so that we can remain at the cutting edge. Departments have conducted several activities for the academic and professional development of Students, Faculty and the Staff as well. The outreach to the community for voluntary service are organized every Semester to enable the social and emotional learning of the students through community service, through the outreach wings of the Departments. Department of Electrical and Electronics Engineering has conducted the 2024 International Conference on E Mobility, Power Control and Smart Systems(ICEMPS 2024) during 18-20 April 2024. Other Departments are in the process of hosting their International Conferences in the coming one-year time. The central research facility started as per the guidelines of UGC is a new initiative of the current year to give a fillip to research.

## EXAMINATION WING AND THE CONTROLLER OF EXAMINATIONS

The College set up its Examination Wing under the autonomy regime in the year 2020 itself and the Controller of Examinations is heading the Examination Wing. There are two Deputy Controllers to look after the conduct of examinations and the evaluations. All the regular and Supplementary examinations under autonomy are conducted systematically by the Examination wing. Efforts are always made to get the timing aligned with the schedule of the University so that students will be benefitted from timely completion of the programmes. Sufficient number of supplementary chances are given to the students within the timeframe to enable good progress and to enable timely completion of their studies within the stipulated time.

## INTERNAL QUALITY ASSURANCE CELL

The Internal Quality Assurance Cell(IQAC) is an important functional unit as per the UGC to monitor and assure the academic quality of the College. Our IQAC has been discharging the duties effectively, especially after the College had become autonomous. The Cell has representation from academia, administration, industry, alumni and students. The Cell conducts the internal and external peer audit of the academic and administrative processes.

## SMART INDIA HACKATHON 2023

There were 186 participants in the 31 teams who attended the prelims of the Smart India Hackathon at the College level. Out of this, 15 teams were selected for participation in the State level screening. Finally one team got qualified and they participated in the National-level Smart India Hackathon Finale held at Sree Nidhi Institute of Science and Technology, Hyderabad. Our team was one among the five teams selected from the entire Kerala circle.

## SENATE ELECTION

The Senate, being the elected Student body, its constitution was preceded by the democratic election process, broadly following the guidelines of the affiliating University and the Lyngdoh Committee. Senate has taken lead in a number of Student driven activities under the Dean Student Affairs and the Staff Advisors.

## CHAPTERS OF THE PROFESSIONAL BODIES

The local Chapters/Branches of the professional bodies like Indian Society for Technical Education (ISTE) Student and Faculty Chapters, IEEE Student Branch, IEEE Robotics and Automation Society, IEEE Power Electronics Society, IEEE EMBS, IEEE SPS, IET On campus, American Society for Civil Engineers (ASCE), American Society for Mechanical Engineers (ASME), ISHRAE, Computer Society of India (CSI), Indian Plumbing Association (IPA), Indian Geotechnical Society (IGS), Society for Automotive Engineers (SAE) etc. have been very active. The members have brought many laurels to the College through their accomplishments and awards at the regional and National levels. The College has initiated the starting of a Centre for Professional Development and Lifelong Learning to enable professional training and certifications.

## NATIONAL SERVICE SCHEME

The National Service Scheme Unit 230 of the College is attached to the NSS Cell of the APJ Abdul Kalam Technological University. The new Unit No.706 has started functioning. The NSS Units have organized a number of social service activities including blood donation, services to community and so on. The special camp was conducted at Kattakkada, Thiruvananthapuram during March 2024.



## VALUE EDUCATION

The Cell for Universal Human Values, Cell for Unnat Bharat Abhiyan, ISTE SHE, IEEE WIE, Women's Studies Unit, Department levels Associations, the Clubs for the Co-curricular activities and so on are used as platforms for sensitizing the students about the values like philanthropy, charity, gender equity, integrity, accountability, commitment and so on. As part of Industry Institute Interaction through MoU, the College has signed fresh MoUs with the industries/institutions namely Hykon India Pvt Ltd, Nissan Digital India, Central Tuber Crops Research Institute(CTCRI), UST Global, SCTIMST TiMED, and Naadan Agro Pvt Ltd towards the implementation of the newly initiated collaborations.



## RESEARCH AND INNOVATIONS

The College has been promoting research and development through various ways. There is an active research collaboration with University of Technology Malaysia in the areas of 5G/6G communications. There are in-house projects for seeding research by the young faculty and there is a scheme of in-house internship for students for promoting the joint research of faculty and students. There are sponsored projects for students and faculty which are funded by the University, Kerala State Council for Science Technology and Environment, DST and other agencies. The IEDC is doing commendable services in kindling student innovations and also for the skill development. The IEDC is functioning with a partial support from the Kerala Startup Mission. Kerala Startup Mission has elevated MBCET IEDC as TBI last year.



Many innovative projects have come out through IEDC. A team comprising Students and Faculty from MED secured a Patent from the Indian Patent Office. A Centre for Computational Intelligence and Cyber Security has been started for advancing research in the areas of computing and informatics. Institute Innovation Council is acting as a connecting platform between Departments and the IEDC in terms of the student innovations.

## CONSULTANCY SERVICES FOR THE KERALA STATE PWD

Kerala Public Works Department has empaneled the College for Consultancy services in respect of various construction and infrastructure development related works. The Department of Civil Engineering is the main beneficiary of this new opportunity. Soil investigations for several projects have been completed for PWD and KWA. Consultancy related to the Smart City projects are also undertaken. KSCSTE NATPAC has offered several traffic survey works. Discussions for undertaking design and development consultancy works are in progress.

## LIBRARY AND INFORMATION SERVICES

MBCET Library is maintaining good ambience for the users. Online services, Question Paper Repository, OPAC etc. are very popular. On campus Wi Fi and the Campus LAN is enabling seamless connectivity. The Library is supporting the Faculty in updating the profile on IRINS platform. The digital library enables access to a good number of journals and conference proceedings.

## ALUMNI AFFAIRS

The College has very high regards for its Alumni who are having a global presence. There is a good number of our own former students who are members of our own Faculty. The Alumni Association MBCETAA is registered as a charitable Society for enabling its smooth functioning as an approved body.

Our Alumni renders excellent support for the welfare and placement of their juniors. MBCETAA sponsors the annual Best Project awards every year and also extent financial support for needy students. There are overseas Chapters which help the Alma Mater in maintaining good contact with our Alumni around the world.

## MEETINGS OF THE STATUTORY BODIES AND COMMITTEES

The Governing Body, Academic Council and the Boards of Studies of the College have been meeting on a regular basis. The College Council and the Executive Council meet more frequently to address the day to day matters. The various committees and the advisory boards of the Departments meet regularly to address various matters related to curriculum, examinations, research, networking and so on.

## CONCLUSION

When we look back today, we can be proud about the quintessential transition that the College had undergone in the last two decades from the status of an Affiliated College to that of the Autonomous institution. We are indebted to the venerable Founder Late His Beatitude Moran Mor Cyril Baselios Catholicos and the members of the founding team. The efficient leadership given by our former Bursars Fr. Wilson Thattaruthundil, Fr John Thundiyath, Fr John Vilayil and the former Principals Dr V K Sebastian, Prof K M Raju and Dr T.M. George were stupendous and we are grateful to them for having laid the strong foundation for the institutional growth. The intrinsic motivation and the dedication of the team of Faculty and Staff is visible in every aspect of the day to day activities of the College. As a well curated institution of exemplary standard and discipline MBCET stands tall among the Engineering colleges of Kerala. Our students and alumni keep the flag of MBCET flying high not only in academics but also in sports, games and co curricular activities as well. During the year under report, the College could regain its momentum in respect of the academic, research and extra academic activities and attract increase in the enrolment. Campus placement also has shown visible increase. Campus is proud of its vibrant and committed community. Our students and staff have conducted dozens of activities in spite of the tight academic schedule. But it's not possible to explicitly mention them due to space constraints. Before I conclude, I wish all success for our graduates of 2024, who are about to leave the campus, and pray for their prosperity and wellbeing.

I conclude this Report by placing on record our sincere gratitude to our Patron His Beatitude Moran Mor Baselios Cardinal Cleemis Catholicos whose visionary directions and guidance have been providing us with the motivation, strength and enthusiasm to go forward.. We gratefully acknowledge the guidance and support from His Excellency Most Rev. Dr. Mathews Mar Polycarpus, Auxiliary Bishop of the Major Archdiocese of Trivandrum. We acknowledge the guidance and support from our Bursar Fr John Varghese, Assistant Bursar Fr Thomas Mukalumpurath, Members of the Governing Body, Academic Council, Boards of Studies, Department Advisory Boards and the Committees. We would also like to place on record our gratitude to the MCESS Secretary Fr George Mathew Karoor for the support in the administrative matters.

On behalf of the College, I express the gratitude to our Vice Principal, Deans, HoDs, Faculty, Staff and all who have extended support and guidance for us in various ways during the year under report and thank our Faculty, Staff and Students for their deeper involvement and impeccable cooperation in the academics and various related activities that enabled the College to maintain a reputable position among the institutions of higher education. We acknowledge the support from the parents and the PTA Executive in the academic management and maintaining strict discipline. We earnestly look forward to getting the unconditional support and care from the parents, other stakeholders and the well-wishers in the coming years too.

I conclude by quoting the words of wisdom of the great thinkers: Confucius said "When it is obvious that the Goals cannot be reached, don't adjust the Goals, adjust the Action Steps" Gandhiji said "Only he can be a Leader who never loses the Hope" So, we continue to pursue our goals by setting our hopes high and tweaking our paths and action steps.

# ACADEMIC AWARDS 2023-24

## ALL ROUND PERFORMANCE AWARDS



**Aman K. Anwar**  
*Department of  
Civil Engineering*



**Sreekanth M. R.**  
*Department of  
Mechanical  
Engineering*



**Merin Anna John**  
*Department of  
Electrical & Electronics  
Engineering*



**Chris Mathew**  
*Department of  
Electronics &  
Communication  
Engineering*



**Julia Alex**  
*Department of  
Computer Science  
& Engineering*

## YOUNG WIZARD OF SCIENCE 2024



**Vedha Mahadevan**  
*Department of Computer Science &  
Engineering*

## BEST ACADEMIC PERFORMANCE AWARD ( B.TECH 2019-23)



**Archa G.**  
*Department of  
Civil Engineering*



**Aashish B. Nath**  
*Department of  
Mechanical  
Engineering*



**Bismi B.A.**  
*Department of Electrical  
& Electronics Engineering*



**Amrutha S.**  
*Department of Electronics  
& Communication  
Engineering*



**Ruby Susan Abraham**  
*Department of  
Computer Science &  
Engineering*

## BEST ACADEMIC PERFORMANCE AWARD ( M.TECH 2021-23)



**Nomi Susan Mathew**  
*M Tech Structural  
Engineering*



**Aishwarya A.P.**  
*M Tech Power Control  
& Drives*



**Aravind Sarma**  
*M Tech  
Telecommunication  
Engineering*



**Haripriya R.**  
*M Tech Computer  
Science &  
Engineering*

# PROFICIENCY AWARDS (2022-23)

## DEPARTMENT OF CIVIL ENGINEERING



**Abhinav A. A.**  
*S3-S4*



**Greeshma G.**  
*S5-S6*



**Niranjana S.**  
*S7-S8*



**Jyothis S.**  
*M Tech Structural  
Engineering*



**Amitha A. S.**  
*M Tech  
Transportation  
Engineering*

## DEPARTMENT OF MECHANICAL ENGINEERING



**Skaria Vinod**  
*S3-S4*



**Vighnesh B.**  
*S5-S6*



**Jibin Babu B. S.**  
*S7-S8*

## DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING



**Aaron Joseph**  
*S3-S4*



**Akhil V.**  
*S5-S6*



**Bhadra P.**  
*S7-S8*



**Sidharth V. S.**  
*M Tech Power  
Control & Drives*



**Nandana Krishna**  
*S3-S4 EL*



DEPARTMENT OF ELECTRONICS &  
COMMUNICATION ENGINEERING



**Kurien P. Issac**  
*S3-S4*



**Sabarinath S.**  
*S5-S6*



**Ranjana P. Jeothi**  
*S7-S8*

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



**Pranav Shankar**  
*S3-S4*



**Abhinav Prakash**  
*S5-S6*



**Anna G. Samuel**  
*S5-S6*



**Shawn Siby George**  
*S7-S8*



**Arunima Ajeesh**  
*M Tech Computer  
Science &  
Engineering*



**Bhagya S.**  
*S3-S4 CT*

MEMORIAL AWARDS



*Prof. R. V. Chitra Memorial Award*  
**Ms Malavika S. ,S8 EEE**



*Annu Memorial Award*  
**Ms Krishna R. , S8 CE**



*Mr. Arun Memorial Award*  
**Julia Alex, S8 CSE**

BASELIAN KAYIKA PRATHIBA 2024



**Alen Cyriac**  
*S8-CS*

MBCETAA OUTSTANDING PERFORMER AWARD 2024



**Aswen A. M.**  
*ECE*

SPECIAL ACHIEVEMENTS AWARDS 2024



**Vignesh K.**  
*S8-ME*



**Adarsh S. L.**  
*S8-CE*



**Alen Alex**  
*S8-CE*



**Dhanush Vijay**  
*S8-CE*



**Shaheen Noushad**  
*S8-CE*

SPECIAL ACHIEVEMENT AWARD FOR SPORTS 2024



**Vineeth Roshan**  
*S8 CE*



# VIGNETTES

"LITERARY SEASONS:  
STUDENT VOICES IN BLOOM"

# THE TRIAL OF A LOST SOUL

Elvis Mathew Olickal, S2 EL

Feels like I'm running out of time,  
Dreams to dream, and words to rhyme.

I just keep looking,  
Looking for the sparks there once was within me,  
Looking to figure out who I'm meant to be.  
My faith's gone, so has my pride.  
And I've gotta find a way to get back in stride.

Regrets come flooding all at once,  
The hours I spent laughing under the brilliance of a thousand splendid suns;  
The hope I once had to reach for the stars,  
Is now replaced with fears and doubts that has left me with scars.

The hour has come to soar.  
Soar above the ashes, towards the starry skies.  
What if the trials were a blessing in disguise?  
Perhaps the Universe was just waiting for me to rise.



# The Enduring Power of Human Wit: Why AI Can't Replace Us

Jason E., S6 EC



*A*rificial intelligence (AI) is certainly impressive. It can crunch numbers, analyze data, and even write basic code. But beneath the veneer of robotic efficiency lies a truth: AI is a powerful tool, but it is a tool nonetheless, and it is the human mind that wields it that holds the real power.



## Beyond Logic: The Spark of Human Brilliance

AI thrives on logic and established patterns. It excels at trend recognition and data-driven predictions. However, human intelligence goes beyond cold math. We have creativity, the ability to think outside the box and come up with brand new ideas. This spark of science has advanced mankind for thousands of years, from the invention of the wheel to space exploration.

## The Symphony of Emotions: The Untapped Power of Feeling

AI can recognize emotions in facial expressions and voices, but cannot truly understand them. Empathy, compassion, and the ability to connect with others on a deep level are unique human traits. These qualities are the foundation for strong relationships, effective communication, and strong communication skills.

Imagine a world where doctors diagnose diseases based solely on data, or artists create works of art with no emotional resonance. High-performance AI may seem attractive, but it would come at the expense of the richness and depth that human emotion brings to every aspect of life.

## The Human Touch: The Future of Progress

The real power lies in the synergy between AI and human intelligence. AI can be a powerful tool for analyzing data and automating businesses, freeing humans to do what we do best: think critically, solve creative problems, and drive innovation. The future belongs to those who can harness the power of both – efficient AI and the infinite power of the human mind. As we move forward, let us not be tempted by the illusion of a pure industrial utopia. The key to progress is harnessing all of human intelligence, emotion and creativity, and using AI as a tool that makes us uniquely human, rather than enhancing it.

# THE DREAM

Sanjana D. S. S4 CS

It was two hours before the exam, this exam which was supposed to be the turning point of my life indeed was the one.

I rushed through my books, recollecting what I have studied before. I thought, studying the last moment makes no sense, closed my books and packed my bags. Took out my phone for a last minute glance. I always have this urge to check my phone, with the ringing of every notification sound.

The moment I took the phone, a notification appeared on the screen. It simple read, "Very clever". It was a text message and the number was unknown. I made a call in that number, the ringing sound made me curious, it kept on singing, 'very clever', the moment the call was cut, my phone started behaving strange, as if someone hacked it.

Two minutes later a photo was sent, and what I found was the strangest part, it was the question paper which I will have to appear two hours later. As I finished reading the question paper, I thought I would read it again and turned the page in my phone, someone threw water on my phone and it was all drenched.

As I looked up to know who did this to me another splash of water came, but this time right on my face and as I gasped I could hear distorted voices and I saw my mother looking at me angrily. I tried to listen carefully what she was telling, and then I heard it right. She said, "Girl wake up, its 8am already and you are still on your bed."

I jumped up and freshened, and went to the exam hall. To my surprise the question paper, the one in my dream, they were all the same...

## The Lone Traveller

Merin S Raj, S2 CE

In the mountains, amidst slopes, serenity reigns,  
As a lone traveler, I embrace curiosity's gains,  
Recalling moments when life brimmed with daring quests,  
Embraced by wanderlust, proud explorer, I am blessed.

The air, cooler now, hints of tales yet untold,  
Enthralled by the journey, my passion takes hold,  
Enamored by the wander, it's time to venture once more,  
To fuel my wanderlust, seeking what's in store.





# 7 Wonders Of the World: Engineering Marvels

Anpin Baby, S2 CS

## *Channel Tunnel (Chunnel)*

Connecting England and France, the Channel Tunnel is one of the world's largest engineering projects. This 50.45-kilometer-long tunnel runs under the English Channel at the Strait of Dover.

maritime trade. The canal's locks, lakes, and artificial channels demonstrate remarkable engineering prowess in overcoming geographical challenges.

## *Eiffel Tower*

The Eiffel Tower is a symbol of Paris and a masterpiece of ironwork. It was the world's tallest man-made structure until the completion of the Chrysler Building in New York. Its intricate iron lattice structure is an architectural icon and a testament to the progress of civil engineering.

## *Hoover Dam*

Constructed during the Great Depression, the Hoover Dam is a source of power and a symbol of human resilience. It was the largest dam in the world at the time of its construction. It remains a significant civil engineering achievement.

## *Golden Gate Bridge*

Spanning the Golden Gate Strait in San Francisco, this bridge is renowned for its iconic red color and art deco styling. It was once the longest suspension bridge in the world. Today, it remains one of the most recognized engineering feats in America.

## *Kansai International Airport (Japan)*

The Kansai International Airport is an engineering marvel built on an artificial island in Osaka Bay. The airport is resistant to earthquakes and typhoons.

## *Panama Canal*

This 82-kilometer canal connecting the Atlantic and Pacific Oceans is a key conduit for international

## *Netherlands North Sea Protection Works*

This series of dams, sluices, locks, dikes, and storm surge barriers protects a large area of land in the Netherlands from the sea. It's one of the most sophisticated and elaborate flood prevention systems in the world.

# BEYOND BOUNDARIES: DISCOVERING THE CULTURAL KALEIDOSCOPE ON INDIAN ARTISTRY

Aaron Binu Mathew, S4 CS

India, often dubbed as the cradle of civilization, boasts a kaleidoscope of cultures, languages, and traditions. This diversity is not only reflected in its people but also in its art. From the snow-capped peaks of the Himalayas to the sun-kissed shores of Kerala, every region in India has its own distinct artistic heritage, shaped by centuries of history, geography, and socio-cultural influences.

Indian art is as diverse as its landscape. Each region has nurtured its unique artistic traditions, ranging from exquisite temple sculptures to vibrant folk paintings. In South India, the ancient Dravidian temples are adorned with intricate carvings depicting gods, goddesses, and mythical creatures. The monumental temples of Tamil Nadu, such as the Brihadeeswara Temple in Thanjavur, showcase the pinnacle of South Indian architecture and sculpture.

In the northern region of India, Kashmiri shawls and carpets, known for their intricate designs, fine craftsmanship, and luxurious fabrics have been prized commodities for centuries and are sought after for their beauty and quality. It is also home to magnificent examples of architectural splendor, including the forts, palaces, and mausoleums built by the Rajput and Mughal rulers. From the majestic Amber Fort in Jaipur to the iconic Taj Mahal in Agra, these architectural marvels showcase the grandeur and opulence of India's royal heritage, blending indigenous styles with influences from Persian and European architecture.

The Aryan migration into the Indian subcontinent brought with it a rich tapestry of Vedic literature and philosophical thought. The architectural styles of ancient India from the majestic temples of Khajuraho to the intricately carved cave temples of Ajanta and Ellora, Aryan architectural principles such as symmetry, proportion, and symbolism are evident.

Moving westward to Rajasthan and Gujarat, one encounters the vibrant world of folk art. The walls of rural homes are adorned with colorful murals depicting scenes from daily life, mythology, and folklore of Gujarat's Kutch region and the lively Pichwai paintings of Rajasthan are testaments to the rich cultural heritage of these regions.

In the heart of India, the state of Madhya Pradesh is home to the world-famous Bhimbetka rock shelters, which bear testimony to the artistic endeavors of prehistoric humans. The rock paintings dating back thousands of years depict hunting scenes, ritualistic dances, and mythological narratives, offering a glimpse into the ancient past of the subcontinent.



Moving eastward to West Bengal, one encounters the rich tradition of Bengal School of Art, which emerged in the early 20th century as a response to the colonial influence on Indian art. Led by luminaries such as Abanindranath Tagore and Nandalal Bose, the Bengal School sought to revive traditional Indian art forms and techniques, giving rise to a renaissance in Indian art.

The northeastern region of India is a melting pot of diverse cultures and artistic traditions. The tribal communities of Nagaland, Manipur, and Meghalaya are known for their intricate handwoven textiles, vibrant costumes, and ornate handicrafts. The indigenous tribes of Assam are famed for their unique mask-making tradition, which plays a central role in their religious and cultural ceremonies.

The regional diversity in Indian art is a testament to the country's rich cultural heritage and centuries-old legacy of artistic expression. From the majestic temples of the south to the colorful folk art of the west, each region offers a unique glimpse into the artistic soul of India. As we celebrate this diversity, let us also recognize the importance of preserving and promoting these invaluable artistic traditions for generations to come. For in the myriad hues and textures of Indian art lies the true essence of India's cultural identity.





BROKEN IMAGES  
2023-24

After Artificial Intelligence,  
Organoid intelligence evolves  
To design human destiny.  
Poor human beings fail  
To distinguish between  
Normal humans, designed babies,  
Or lab-produced humans.  
But, where will they place  
The soul in 'designed humans'?

The cancer of war  
Eats away humanity.  
Ego breeds a craze for power,  
And hatred sprouts in ethnicity,  
Making war a thriving business.  
Ukraine and Gaza remain  
Wounds of humanity.  
Solar eclipse and comet's fall,  
Sea surges under tremors,  
Causing climate imbalance.

El Nino scorches the earth again,  
And throats are parched.  
On the Cross, He felt  
A greater thirst.  
Prakrithi, wriggling in thirst,  
Guzzles living water  
From Purusha in summer showers,  
Marking the saga of existence.

In the Odyssey of return,  
The Jivatma pulsates  
While panchabhutas dissolve  
Into the Source  
In the rhythmic merger  
Of Consciousness into silence.



*Dr. George Zacharia*

# BUILDING BRIDGES, NOT *Bones*

\_# THE REAL ME

Merin S Raj [S2 CE]

**ALRIGHT**, buckle up for the rollercoaster ride of my journey from being a future doctor to a promising engineer – starring yours truly, the reluctant protagonist! Picture this: before my plus two classes even began, friends and family were already placing bets on me becoming a future doctor. I couldn't help but feel a bit like "ehhh " (not the greatest feeling, let me tell you!). Even if I tackled bio maths in twelfth grade, biology just didn't float my boat. It's like no matter how much I studied biology, it was always inversely proportional to my interest – talk about a scientific phenomenon!

Fast forward eleven months, and my twelfth-grade results roll in. Suddenly, I'm mentally reenacting Judas betraying Jesus, but in a biology context( yeahh my bio marks = Judas). But hey, I was like happy with \_ the marks . And you wanna know my family's reaction? Straight out of a biblical scene, resembling the crucifixion of Jesus Christ. Dramatic much?

Then came the entrance exams – or as I fondly refer to them, the reign of terror. But lo and behold, KEAM results are out, and I've got a decent rank in engineering! So, naturally, I decided to go for engineering.

But oh, let's not forget the relatives – bless their hearts – Their well meaning comments about my suitability for medicine were met with my honest response? "Thanks, but have you seen me around needles? Nope, not my jam, and also medicine and anesthesia weren't my calling.

And then there were my friends, bless 'em, with their own hot takes. "You're not doctor material," they said. "You're more about enjoying life, going on trips, living it up!" So, engineering it is – because when your buddies make sense, you listen. It's only logical, right?

Fast forward to the big day: I'm enrolling at MBCET, and guess what? Civil engineering it is! Cue the critics, questioning my choice like it's their job. "You only picked civil because there were no other options," they say. Ha! But with a grin as infectious as a flu outbreak, I assure them: "Call me in a few years, and I'll be designing your dream home. Fair deal, right?"

And that, my friends, is the epic journey of yours truly, from everyone's future hospital doctor to be the mastermind behind the blueprints. Who knew life had such a sense of humor?





# STEPPING STONES TO SUCCESS

AZZAH ZAYN, S2 CT

*Rahul* was one of the highly paid professionals in his office. People never liked him. He never cared about anything in his life other than himself. Maybe it was because of his troubled childhood, abusive parents, friend's death and what not. He was always looked down upon by others. Maybe that's the reason for his misbehaviours. Revenge for the hardships he faced?

Probably his dad was an alcoholic. Rahul was only six when his father beat his mother to death. He always felt alone. Maybe he got used to it. But this made him work real hard to reach where he is now. Worked for many people, went on an empty stomach for days, and saw the darkest of days. We will think he might show some empathy to the struggling people but all his life experiences had changed him. He was always alone maybe that's why his pushing everyone away. He might not have been this way if his father treated him right. But what if his father had also gone through something similar. It's a cycle anyone could have broken out of it. But they chose not to.

They never had someone to help them break out of their pattern. Did Rahul want to change? But from the beginning he was only subjected to ignorance, and hatred. How can he know what love is without ever being loved. The mistakes one person does or the way he unintentionally hurt someone can change the other person's view and perspective of life. A rich and strouous man steps on the poor, the poor steps on the poorer, the poorer steps on the poorest. Taking life and people around you for granted the first wrong step we take.

We always think nothing is gonna come for us. No reperussions. Aren't people drifting apart reperussions ? We can never blame Rahul for justifying his actions. A smile when you see another person can maybe make their day we choose not to smile, we choose to ignore, hate, rage. We forget life is all temporary. One day all this enas. We end. At that second we won't matter, the revenge you took doesn't matter. "I could have lived life better". Maybe that will be the only thought recurring in our minds and we won't have any choice but to close our eyes and fall to eternal sleep.

# CAFFEINATED ENGINEERING:

## *Brewing Success Over Coffee*

*Aaron Binu Mathew, S4 CS*

In the bustling world of engineering, where minds are constantly challenged to innovate and problem-solve, there exists a humble yet powerful elixir that fuels creativity and ignites inspiration: coffee. From the dawn of civilization to the modern-day tech hubs, the journey of coffee intertwines with the trajectory of human ingenuity, marking its place as an indispensable companion to engineers worldwide.

The story of coffee begins in the lush highlands of Ethiopia, where, according to legend, a goat herder named Kaldi discovered the stimulating effects of coffee beans on his flock. Intrigued by their newfound vitality, he shared his discovery with local monks, who began to use the beans to stay awake during long hours of prayer.


As coffee cultivation spread across the Arabian Peninsula, it became a vital part of social and cultural life, with coffee houses emerging as centers of intellectual exchange and conversation. It was known as "Qahweh" meaning "dark" or "bitter" in the Arab world to "Café" in French and other romance languages and to "Coffee" in English. In 15th-century Turkish culture, a woman could divorce her husband if he didn't provide her with enough coffee.

By the 15th century, coffee had made its way to Europe, where it quickly gained popularity among the intellectual elite. Pope Clement VIII's involvement with coffee is a fascinating historical incident that significantly impacted the spread and acceptance of coffee in Europe.

In 1600s, Pope Clement VIII was approached by advisors and illiterate peasants who urged him to ban coffee, echoing concerns about its potential negative impacts and also due to rivalry of the European kingdoms with the Ottoman empire since it was first popularised in the Middle East and the Arab world and was called the "Devil's Brew". However, rather than hastily condemning the beverage, the Pope decided to investigate further.

Legend has it that Pope Clement VIII requested a cup of coffee to taste for himself. After sampling it, he was so taken by its flavor and stimulating effects that he declared, "This Satan's drink is so delicious that it would be a pity to let the infidels have exclusive use of it. We shall fool Satan by baptizing it".

Since then it was no longer seen as a suspicious or forbidden drink but rather as a beverage with potential benefits. Coffee houses began to proliferate across Europe, becoming centers of social interaction, intellectual discourse, and commerce.



Legend has it that Baba Budan smuggled seven coffee beans from Yemen, strapped to his chest, and planted them in the fertile soil of the Chikmagalur hills in India. Over the years, coffee cultivation spread to other regions of India, including Kerala and Andhra Pradesh. Today, India is one of the world's major coffee producers, renowned for its high-quality Arabica and Robusta beans. South India, in particular, has a rich tradition of coffee consumption, with filter coffee being a staple in households and coffee houses alike.

Fast forward to the present day, and coffee continues to play a pivotal role in the world of engineering. Whether it's the late-night coding sessions of software engineers, the brainstorming meetings of design teams, or the intense problem-solving sessions of researchers, coffee is the constant companion that keeps the gears of innovation turning.

But what is it about coffee that makes it the perfect fuel for engineering minds? The answer lies in its chemical composition. Coffee contains caffeine, a natural stimulant that blocks the neurotransmitter adenosine, leading to increased alertness and concentration. This cognitive boost is invaluable to engineers who often find themselves grappling with complex problems that require deep focus and mental agility.

Regular coffee consumption has been linked to a lower risk of several chronic diseases, including type 2 diabetes, Parkinson's disease, and liver cirrhosis.

Moreover, the act of brewing and savoring a cup of coffee provides engineers with a moment of respite in their fast-paced lives. It's a ritual that signals the transition from mundane tasks to creative pursuits, allowing them to clear their minds and approach challenges with renewed vigor.

In the ever-evolving landscape of engineering, where challenges abound and breakthroughs await, coffee stands as a symbol of perseverance, creativity, and collaboration. From its humble origins in the highlands of Ethiopia to its status as a global phenomenon, coffee has woven itself into the fabric of human history, leaving an indelible mark on the world of engineering.

So the next time you find yourself grappling with a tough problem or seeking inspiration for your next project, remember to reach for that cup of coffee. For in its rich aroma and bold flavor lies the promise of success, brewing one sip at a time.



*All you  
NEED is  
Coffee*





# CROSS ROADS 24 LOGO LAUNCH



## VISIT BY GERMAN CONSULATE



## NAVIGA: THE AUTONOMOUS ASSISTIVE ROBOT





**Christ  
mas**  
2K23



**AARAMBH**  
**2K23**







## EXODOS 2K23



## PARADOS 2K23



## MONOCHROME- FRESHER'S DAY 2K23





# The End of An Era

Send off to the outgoing Principal  
Dr. Abraham T Mathew

# A New Beginning

The new Principal,  
Dr. S. Viswanatha Rao  
takes charge

Nasscom



MERP Systems Virginia

Now Signings



GRPF



Nissan Digital India LLP



# INTERNATIONAL CONFERENCE ON LIFE SKILLS INAUGURATION

# KERALA HACKRUN



# INTERNATIONAL CONFERENCE ON E-MOBILITY, POWER CONTROL AND SMART SYSTEMS ICEMPS 2024



# HYKON INDIA PRODUCT DEVELOPMENT CENTRE INAUGURATION



# NATIONAL CONFERENCE ON EDUCATION- ENVIRONMENT- ECONOMY @ 2030

Merin Sarah Thomas, S6 EE

# DINNER LOOP

## Swirl

I'm so hungry. It's all I can think of at the moment. I had just come back after a long, tiring day at work and was looking forward to dinner. I was joined at the table by my husband and daughter. As tired as I was, my 5-year-old never ceases to put a smile on my face. She was telling me about her day while fiddling



with her vegetables. I try to listen but most of it slips out the other ear. I tell her not to play with her food. I look to my husband for support, but barely find any. Contrary to my daughter, my husband managed to put a frown on my face tonight. He's clearly upset.

But he being him, he won't say anything unless I speak first. I'm too hungry and tired to bother with him at the moment so ignore him. My daughter stares intently at her bowl of soup. "Ahem", my husband clears his voice. My daughter is so fixated on her bowl it's like she's hypnotised by it- "Ahem!", the throat clearing was louder this time. I wanted to ask her what she was doing with the spoon in her hand but my husband grew tired of waiting.

"Rose!", he near shouted. I could hear the exasperation in his voice. I didn't mean to ignore him for so long. But I didn't have the energy to say that. "What is it, Louis?", I ask, trying to sound concerned. "I think it's time we talked", he said assertively. I know where this was headed. And I did not have the energy for this conversation.

"Louis, please, not now!", I plead.

"You always do this Rose!"

"It's not my fault, I'm just too tired these days!"

"Are you saying it's mine then? You always have an excuse!"

"Of course not! Try to understand, this is the only time I can relax! Forgive me for not wanting to spend it on that"

"We have to do this sooner or later Rose, think of Alice"

"Don't bring Alice into this!"

We quarrelled like that back and forth. I regretted doing this in front of our daughter. Alice shouldn't have had to see us fight like this. I decided to stop this feud. "Let's just go to sleep Louis. We can figure things out tomorrow.", I say diplomatically. Louis looks at me and calms down when he sees my expression.

"Promise?", He asks.

"Promise.", I assure him

Our poor daughter seems to have spent our time fighting by swirling her soup. I don't blame her; we probably ruined her appetite. Her spoon made spirals in the thick liquid. I thought it seemed mesmerizing for a second. Louis and I tried to apologize for scaring her and put her to sleep. We follow.



### Swirl 2:

I'm so hungry. It's all I can think of at the moment. Wait, didn't we just have dinner? But there we all were, at the table yet again. I was still hungry for some reason, so I stuffed my face. My daughter was still poking around her soup.

Wait, wasn't the quantity less than before?

When did she drink it? Louis was still only serving the spoons. I caught his gaze and signalled for him to leave the table with me. We left for the kitchen, telling Alice there was another dish left. "Didn't we just have dinner?"

I ask almost panicking. I hope it wasn't just me dreaming. "You felt so too?", Louis asked confused. We decided to pretend that everything was normal, since Alice wasn't showing any signs of having repeated anything. "Did you two make up?", she asked between spoons of food. I don't recall fighting this time. Better not make her suspicious though. Louis and I tried to comfort her saying that, we could never stay upset with each other for too long. Alice didn't say much for the rest of dinner. We put her to sleep and went to bed ourselves.

### Swirl 3

... We were back at the dinner table again.

### Swirl 5

... This was starting to sound like a dream

### Swirl 10

... is this a nightmare?

### Swirl 20

"This is just ridiculous", I hear Louis say through gritted teeth

### Swirl 50

Maybe we should stop counting

### Swirl ??

I greeted Louis like usual. We ate dinner oblivious to our repeating lives.

Alice stayed the same each time. Not saying much, just swirling her soup. I noticed that there's barely any soup left

Since I found that interesting, a variable in this constant loop, I thought I'd point it out to Louis. Before I could say a word-

"Why.

Why do you always stop fighting?"

There isn't much more, so please..."

Louis and I froze hearing Alice say that. What did she mean? It sounded like she wanted us to fight. Alice was crying hard now. It was difficult to make out what she was saying. From what I understood, the first time, the zero-th loop, Louis and I discussed our issue the next day and went to work like normal. Apparently, we get into an accident on our way. Alice was given some soup by my sister, her aunt, when she was told of her loss. And as she played around with it...

"You went back", Louis and I said softly in unison. Rose kept looping back, trying to get to a point where we continued our fight the next day, thinking that'd be enough to change our fate.

How nice of her.

Instead, Lois and I retained our memories and stopped fighting even sooner with each loop.

I don't know if knowledge of the loop is enough to avoid its fate. In sci-fi movies, when time is turned to prevent a death, the victims merely die in different ways. Freak accidents. I can't tell Alice this. She's looking at us with her big eyes, wanting us to say everything will be ok. I look to Louis for support. This time I find some.

I find the words to tell Alice what she needs to hear. And that no matter what, she is loved. Louis and I tuck her in. And we both head to bed,

perhaps, for the last time.

*We don't loop again.*



Sanjana DS, S4CS

# FAIRY



Golden hair, hazelnut eyes,  
I saw you there in moonlight that night,  
Gazing at the glaring stars,  
It seemed you wanted to know the infinity.

I thought I could come close to you  
And kept a foot in front of me again,  
But you were far away, a step again,  
You were prettier than before.

I quickly hid behind the apple tree,  
Cause I saw something,  
I have only heard of and  
I have only dreamt of...

I looked at the bottom of your legs,  
To notice that they were vanishing in air,  
Slowly brushing against the grass below,  
Making me wonder again.

The wings spread out and you,  
Took a stick, it was the magical  
Wand, with a shining bright light,  
It was twisted and turned.

You made a swish,  
The tree started shimmering in the dark,  
All the scarlet apples,  
Now turned bright as gold

One pretty little apple fell down,  
Right into her palms,  
She took a sweet bite,  
And closed her eyes with a smile.

I couldn't lid my eyes anymore,  
Cause as she chew,  
A luminous brilliance,  
Ringed her head through her hair.

And the next moment she raised  
Smiling with that pleasant face again  
She made her last look  
And flew away with her radiance.

Nandana Anil, S2CE

## HER "ESSENCE", HIS "LOVE"

In every glance, a whispered tale,  
Her laughter danced, a gentle gale.  
With every word, a melody sung,  
In her presence, his heart was stung.

She painted skies with hues of grace,  
In her embrace, he found his place.  
Her kindness bloomed like flowers in May,  
In her warmth, he wished to stay.

She stirred within a love untold,  
With every touch, his heart did fold.  
In every moment, her essence shone,  
In her love, he found his own.

# HYPERSONIC TRANSPORTATION

ANPIN BABY [S2 CS]

*Hypersonic transportation* involves traveling at speeds greater than five times the speed of sound (Mach 5) or higher, typically using air-breathing engines or rocket propulsion.

## BREAKDOWN

**Speed:** Hypersonic transportation aims to significantly reduce travel time between distant locations compared to conventional means of transportation, such as airplanes. At hypersonic speeds, it's possible to travel across continents or even around the world in a matter of hours.

**Applications:** Hypersonic transportation has various potential applications, including long-distance travel, military reconnaissance, space launch vehicles, and high-speed weapons systems.

**Challenges:** Despite its potential benefits, hypersonic transportation poses significant technical challenges. These include managing extreme temperatures generated by air friction, developing lightweight and heat-resistant materials, and ensuring stability and control at hypersonic speeds.

**Research and Development:** Many countries and organizations are actively researching hypersonic technologies to overcome these challenges and realize the potential of hypersonic transportation.

Efforts include experimental flight tests, computational simulations, and materials testing to advance the state of the art in hypersonic propulsion, aerodynamics, and thermal protection.

**Commercialization:** While hypersonic transportation remains primarily in the research and development phase, there is growing interest in its commercial applications. Companies and governments are exploring the feasibility of using hypersonic vehicles for military and civilian purposes, with potential implications for global transportation networks and geopolitics.

Overall, hypersonic transportation represents an exciting frontier in aerospace engineering with the potential to revolutionize travel and transportation in the future. Continued advancements in technology and research are essential for overcoming the technical challenges and realizing the promise of hypersonic flight.

# Ingenious Minds:

## TALES OF ENGINEERING MARVELS

ANPIN BABY, S2 CS



Once upon a time, in a bustling city, there was a prestigious Engineering Conference that brought together experts from various fields. Among them were a Computer Science Engineer, a Mechanical Engineer, a Civil Engineer, an Electrical Engineer, and an Electronics Engineer.

During the Conference, they decided to explore the city together. As they walked through the streets, they came across an old, dilapidated building with a sign that read, "Do Not Enter - Danger!" The Computer Science Engineer, always curious and eager to explore, suggested, "Let's use our skills to find out what's inside!"

The Mechanical Engineer, intrigued by the challenge, replied, "I'm sure we can find a way to safely enter. After all, Mechanical Engineering is all about overcoming obstacles."

The Civil Engineer, concerned about safety, cautioned, "We must proceed carefully and consider the structural integrity of the building. Civil Engineering is about ensuring stability and durability."

The Electrical Engineer, scanning the building, remarked, "I bet there's some interesting wiring inside. Electrical Engineering is about harnessing power and energy."

The Electronics Engineer, examining the building's exterior, chimed in, "And let's not forget about the potential for electronic devices inside. Electronics Engineering is about innovation and creativity."

Together, they brainstormed a plan to enter the building safely. The Mechanical Engineer fashioned a sturdy ladder using nearby materials, while the Civil Engineer inspected the building's foundation to ensure it was stable. With the Electrical Engineer's expertise, they rigged up temporary lighting to illuminate their path inside. Meanwhile, the Computer Science Engineer used their programming skills to create a digital map of the building's layout. As they ventured inside, they encountered all sorts of challenges, from creaky floorboards to faulty wiring. But with each obstacle, they used their unique skills and knowledge to overcome them. In the end, they discovered a hidden treasure trove of vintage engineering equipment and artifacts, including old blueprints, tools, and machinery. They marveled at the ingenuity of Engineers who had come before them. As they exited the building, they reflected on their adventure and realized that while each field of Engineering is distinct, they are all interconnected and essential. Together, they had uncovered the secrets of the old building, proving that the power of Engineering knows no bounds. And so, they returned to the Conference, sharing their tale with fellow Engineers and inspiring others to embrace the unique strengths of their respective fields.



# PREVENTABLE TRAGEDY-A RABIES HORROR STORY

Merin Sarah Thomas, S6 EE

Noun

*A contagious and fatal viral disease of dogs and other mammals, transmissible through the saliva to humans and causing madness and convulsions.*

*July 1*

I'm losing consciousness. I heard them say that there's not much they could do for me anymore. 'Comfort measures' they call it. The doctors are saying I should've taken the vaccine. There's probably a government official out there, ready to enter my death as another row in the great tabulation of rabies victims in the country. I would tell them all off, but I can't say anything coherent through all the vast amount of saliva at my mouth.

"We're losing him!"

"Why didn't you give something to calm him down?"

"He seemed alright at the time! And the family wouldn't let us do anything!"

"Didn't someone talk to them? Explain that if they had wanted their son to live, they shouldn't have taken this disease so lightly!"

The nurse and doctor argued between them as their patient lay dying. They both believed it was his fault. To be ignorant of this disease is deadly.

Earlier,

*March 5*

I was walking home after class. I wasn't in a good mood since my hands hurt. I had tripped and used my hands to brake my fall. I'm glad that I wasn't injured further, but the wound still smarted. Worrying about my injuries, I hadn't noticed I had already reached near my house. I passed the neighbour's house and did a double take.

Sitting by the gate was a dog. I heard that they'd be getting a pet someday but this was unexpectedly soon. I approached the gate to get a better look at it. My neighbour strongly believed in adopting animals. The young female dog in front of me didn't look too well. My neighbour must have thought he could nurse her back to health. The dog looked at me cautiously. I tried to make myself look friendly so as not to scare her. She seemed interested in my actions. I reached out to pet her head and she let me. She was a good girl and even licked my hands as though it would help them. She really brightened up my day. Waving goodbye to her, I left and headed home.

I texted my neighbour later telling him about how his pet and I became friends. Oddly, he texted back saying he didn't get a pet yet. He had gone outside immediately to check after seeing my message, but apparently the dog I saw



was gone. I guess she was a stray.

Foolishly, I never told anyone at home what had happened that day. Maybe they would have been able to do something before it was too late.

### *June 11*

It was exam season. Time to say hello to the last-minute assignments, internals, labs, and end semester exams which would soon happen in succession. I was busy sorting all my work into things that had to be done and things that could be postponed.

I grabbed a pen.

And instantly dropped it.

The pen had felt weird in my hand. Seeing nothing special on the pen, I took a closer look at my palm. It was inflamed. Just as I was about to celebrate a well-timed, reasonable excuse to avoid work, I noticed a similar inflammation on my other palm. I thought it was odd.

... Odd enough to put off work for the rest of the day. Taking it as a sign from the heavens to rest, I proceeded to do just that.



### *June 12*

Over the last two days I came to the realisation that if I didn't start my work at least now, I would never finish. So, I decided to get to work.

I had a headache today. My forehead was warm to the touch. I took it as a sign of my brain overheating from all the work I was forcing myself into doing. I didn't think too much of it.

### *June 15*

The warmth grew to become a fever. I felt unwell. My family expressed their concern for



me, especially since I got sick at such a busy and important time, but I did my best to reassure them and tell them that I'd manage everything once I got better.

I never told them, but I couldn't shake the feeling that things would not get better. I was feeling agitated constantly and had muscle spasms too. Even more terrifying was the fact that I seemed to be hallucinating now. I did my best to hide that fact from everyone. No point in worrying them, right?

The palms of my hand were hurting now. I vaguely remember injuring them months ago. Was it related?

### *June 16*

I woke up to drool along the sides of my mouth. Embarrassed, I wiped it off before anyone saw. I couldn't tell for sure, but I seemed to be salivating more than usual these days. Feeling thirsty, I poured some water into my mouth.

... Only to immediately spit almost all of it out. It was terrifying. I wanted to drink, but at the same time I didn't. I physically couldn't bring myself to swallow.

How could drinking be this scary?

I couldn't think right. If I could, I'd remember the disease that causes this to happen. By this point of time, the virus had long past spread to my brain and sealed my fate.

### *June 26*

I had been hospitalised. They said it was rabies.

I was indignant, I told the doctor that I had never been bitten in my life!

My father yelled at the doctor's incompetence while my mother cried over her son's death sentence. My brother just looked at me like it was the last time he'd be able to.

I hated this atmosphere.

I tried to ignore everything happening around me. I quietened the voices around me to think. I looked at the irritated skin of my palms. And that's when I remembered.

I hadn't been bitten.

I got rabies from getting licked.

### *June 30*

If my family had any doubts about it before, they were made clear after seeing my current behaviour. I was convinced that the world was against me and fought back as much as I could. If I had any sanity left, I'd tell them to be more careful. To not end up like me. I didn't care how pathetic I sound. I just didn't want to die. Not like this....

Apparently, rabies has a 100% death rate once symptoms start.

I had been slipping in and out of consciousness. Apparently, I had been yelling and very aggressive. I couldn't tell. I had moments of clarity where I could actually speak my mind and think clearly.

I used them to say my goodbyes.

### *July 2*

A doctor records the time of death while a

family wails uncontrollably nearby. "Time of death, 12:35 am, July 2nd". The family is approached and apologized to. The horrific events of their son's death were glossed over.

The family was sent away. They would soon be busy with funeral plans. Perhaps in the future the younger brother would start a rabies awareness campaign along with his neighbour to avenge his brother. The doctors and nurses were long gone, having already gone to new patients. Hopefully ones they could save.

The victim's body was taken to the morgue for preservation before the funeral. Among the occupants, he was not special, just another addition to the count. The attendant there tried to show some remorse for the loss of a young soul. "Boy..." he started. "Next time, just take the vaccine... It'd save your life"



# INTROSPECTIONS OF THE LONELY SOUL

ELVIS MATHEWS OLICKAL , S2 EL

I roam through the empty hallways at night,  
Pondering what to do, about these inner demons I fight.  
A moment passes, when I think I've reached the peak,  
But soon I realise, there's more to what I seek.

Each time I laugh, I ask myself;  
This moment of happiness, how soon before I cry?  
But then again, what really is my existence's purp  
Would it be to find joy, or perhaps just try?

Good things fall apart, so that great things can fall in place;  
Whoever said that must've never known,  
The shattering of a heart, the empty space.

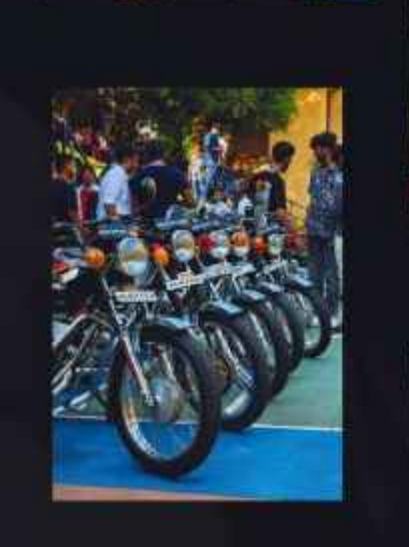
It's easier to say that you love,  
That it is to say that you're beloved.  
I keep clinging on to hope's light,  
Cause I can't back down now, not without a fight.  
Days keep passing by, and I stare at the moon.  
And I tell myself, love will find me soon.

The soul desires; to aspire, to soar.  
To the heavens, nothing less, nothing more.  
Perhaps that's what life's been trying to tell,  
To get back up and fly, no matter how hard you fell.



APRIL  
20TH  
2024





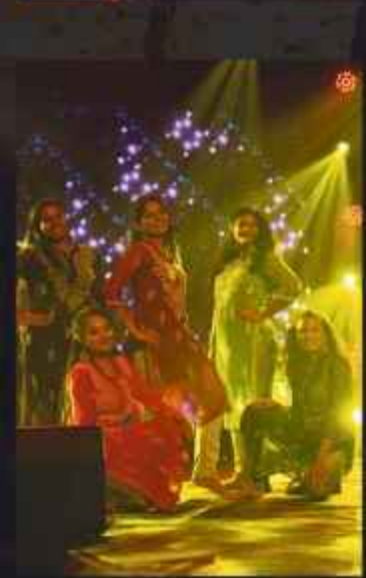


# College Day



# Celebrations 2024







# QUANTUM COMPUTING

Anpin Baby, S2 CS

## KEY CONCEPTS INCLUDED:

**Superposition:** Qubits can exist in a superposition of states, meaning they can represent both 0 and 1 simultaneously. This allows quantum computers to perform many calculations in parallel, potentially solving certain problems much faster than classical computers.

**Entanglement:** Qubits can be entangled, meaning the state of one qubit is dependent on the state of another, even if they are physically separated. This allows quantum computers to perform complex operations on multiple qubits simultaneously.

**Quantum Gates:** Quantum gates are the basic building blocks of quantum circuits, similar to classical logic gates. They manipulate the state of qubits to perform computations.

**Quantum Algorithms:** Quantum algorithms are algorithms designed specifically to leverage the unique properties of quantum computers. Examples include Shor's algorithm for integer factorization and Grover's algorithm for unstructured search.

## WHAT IS IT ?

Quantum computing is a cutting-edge field of computing that utilizes the principles of quantum mechanics to perform computations. Unlike classical computers, which use bits to represent information as either 0s or 1s, quantum computers use quantum bits or qubits, which can exist in multiple states simultaneously thanks to the phenomena of superposition and entanglement.

“

QUANTUM COMPUTERS WILL SOLVE PROBLEMS THAT WE CAN'T EVEN IMAGINE HOW TO SOLVE ON CLASSICAL COMPUTERS.”

*Peter Shor*



“  
QUANTUM  
COMPUTING IS NOT  
JUST A NEW WAY OF  
COMPUTING; IT  
REPRESENTS A  
DIFFERENT  
PHYSICAL PARADIGM  
FOR COMPUTATION.”  
*Lov Grover*

*Quantum Error Correction:* Quantum systems are prone to errors due to decoherence and noise. Quantum error correction techniques are essential for preserving the integrity of quantum information and making quantum computers more reliable.

#### APPLICATIONS:

Quantum computing has the potential to revolutionize various fields, including cryptography, optimization, drug discovery, materials science, and machine learning. For example, quantum computers could break cryptographic codes currently considered secure and accelerate the discovery of new drugs by simulating molecular interactions.

Despite the tremendous potential of quantum computing, building practical, scalable quantum computers remains a significant challenge. Researchers are making rapid progress in developing quantum hardware, error correction techniques, and quantum algorithms, but many technical hurdles still need to be overcome before quantum computers can outperform classical computers for a wide range of tasks.

Overall, quantum computing represents a paradigm shift in computing technology with the potential to tackle problems that are currently intractable for classical computers and drive innovation across various fields.

# Self-Love: *A Memoir*

K R I S H N A P R A S A D , S 4 C S

Everyone has different perspectives. And the topic of “Self-love” is no exception. I, for one did not believe in self-love. The idea that love is for oneself too rather than what is to be provided and received seemed absurd. This was until last month when a particular incident changed me.

The day of the incident, which was to alter my perceptions forever unfolded some of the “firsts” in my life. That day, I decided to go to the library alone because none of my close friends were interested (I never go alone anywhere). I was there with another not-so-close friend, and by chance, we stumbled upon self-love amid our conversation. I have discussed this topic with numerous people and all it ended was in futile arguments (with me winning most of the times).

As is routine, I start arguing with her about how stupid self-love is. She remained nonchalant and went on to close the argument in a few simple words:

“Self-love is not merely saying I love myself. It is prioritizing your happiness and well-being above all. You chose to follow your happiness just now when you chose to just come to the library even when your friends weren’t interested, that’s self-love”

Those words hit like arrows to my heart (and the logic of my mind). Indeed I had the wrong notion that self-love is some cliché invention by some crazy online influencer. It was indeed a priority and necessity to live a fulfilling life.

Here, I am a month later, doing things ‘alone’ if I have to; there for myself, ‘self-loving’!

Do not sacrifice your happiness for others because they may not do the same for you. Be a person who is always happy and live life according to your wishes. It will give those around you a positive vibe as well. Your inner peace will be a source of happiness for another person near you.

# SPACE ELEVATORS

ANPIN BABY S2 CS

**Space elevators** are theoretical structures designed to transport people and cargo from the surface of a celestial body, such as Earth, to space using a tether system anchored to the ground and extending into space. The concept involves a counterweight in space to balance the tension in the tether, allowing vehicles to travel up and down along it. While the idea has been explored in science fiction and some engineering studies, it poses significant technical challenges, including material strength, environmental factors, and economic feasibility. However, if realized, space elevators could revolutionize space travel by providing a more cost-effective and efficient means of reaching orbit compared to traditional rocket propulsion systems.



**Basic Concept:** A space elevator consists of a tether anchored to the surface of a celestial body, such as Earth, with a counterweight in space to balance the system's weight distribution. The tether extends beyond geostationary orbit, allowing vehicles to travel along it to reach space.

**Tether Material:** The tether needs to be incredibly strong to support its own weight and the weight of vehicles traveling along it. Currently, carbon nanotubes are a leading candidate due to their exceptional strength-to-weight ratio, although no material yet exists that meets all the requirements.

**Anchoring System:** The base of the space elevator requires a strong anchoring system to withstand the tension of the tether pulling upwards.

Potential locations for the base include near the equator to take advantage of centrifugal force and minimize the energy needed to maintain the system.

**Counterweight:** A counterweight in space, typically in geostationary orbit, balances the tension in the tether, preventing it from collapsing under its own weight. This counterweight needs to be positioned precisely to maintain stability.

**Transportation System:** Vehicles would travel along the tether using climbers or other propulsion systems. These vehicles could carry payloads, crew, or both, making space travel more accessible and cost-effective.

**Advantages:** Space elevators offer several potential advantages over traditional rocket-based launch systems, including reduced launch costs, lower environmental impact, and more frequent access to space.

**Challenges:** Despite its theoretical potential, space elevator technology faces numerous technical challenges, including material strength, environmental factors such as space debris and weather, and economic feasibility. Developing the necessary materials and building such a structure would require significant advancements in engineering and materials science.



# A MIND OF *Prison*

RAHUL G.P. S6EC

In a world gone gray,  
Where heavens stood low.  
The keys to magic and love,  
Opened the ones, black the plain.

A careless fly, one that wonders  
aimless,  
We feel bleak; empty and disgused.  
For a spark of a moment,  
Possibilities of forever fire we give.



But at moments of such void,  
A thought or two passes by.  
When "we" turns to "I",  
And I wait for the never,  
Never too short for, forever at least

Beyond the thoughts that come  
twirl your mind round and down  
a little more of your thinking  
Something keeps you tricking  
A nap on lap may be can cure  
But with all dreams and silence around

A sudden click makes me awake  
All white, bright and light  
I see small cubes takes me away  
More from real day and night  
No stars flowers and flies  
Only cubes that turn small and smaller,  
The more and more it leaves  
The more I wish to leave,  
the more I wish to live

Trapped in the tunes of trend  
My heart now wish this end  
My ears now seek for my Mom's voice  
My feet quest for the soil, snow  
My eyes could see the world now  
The world of beauty, life, dusk and  
dawn.



REAL BEYOND  
ATHENA S. S8CE *Reel*

# IMPORTANCE OF DIGITAL LITERACY IN 21ST CENTURY

Saurav S. S8CS

*In* the age of agriculture, those who had the land and the tools controlled everything. In the industrial age, those who had the machines controlled everything. Today in the age of information, those who have information are the new kings.

The past 7000 years of man's existence has culminated into the ability to communicate anything to anyone else anywhere in the world, in any form we wished to communicate. And what we have as a result is a culmination of most of mankind's knowledge and imagination.

No matter what the subject matter is or what the field of labour is, digital devices are like a convenient subordinate assistant. They can be your messenger, or help you find what you need to know, so the importance of digital literacy in the twenty-first century is the equivalent of having in the pre-digital age, a superhuman junior assistant.

There is not a single field of importance in public memory that has been untouched by technology. Scientists and engineers use digital devices to calculate things that would have been humanly impossible. The number of lives digital technology has saved possibly stretches over the billions. And only needs to ask their grandparents how impossibly hard it was to prove crimes

in the days when digital technology didn't exist. Digital technology also keeps people entertained. Although many of us would see this more as a bane than as a boon, this purpose of digital technology has undoubtedly given many people a way to escape the trappings of the real world for a while.

Digital technology can also be a teacher for us, with a vast expanse of knowledge that a human teacher could not have. Although devices do not feed us knowledge with a spoon, deftness in handling digital technology is what sets us apart, where in how well we can look for the information we want.

The caveat in all this, is that digital devices cannot think from zero to one. They cannot innovate by themselves. Ahol along those lines, they cannot take the initiative to ask us what we want to know. And that is why digital literacy is important. That is why we must learn to use these devices as intelligent tools, and learn the ways of using them like how our ancestors learned to use the hammer and wrench. Only then can we use these devices to pave the way for our future.

# TECHNO-V-MIN

## USAGE OF TECHNOLOGY TO MINIMISE VIRUSES

*ANOUSHKA L NAIR S6 EC*

### MISSION

Development and maintainance of the world

My innovation is simple,

This is the idea that can be bought up at big mall's, shopping centers with entry and exit or where ever we require. Our idea is to just install an Electronic V-Scanner and a Sanitation Hub. The electronic v-scanner, is a machine that scan any viruses using the high-tech sensor's and the database, data set provided. Its model is same as other electronic scanner's . This just scan the person, and let them know is any virus that have infected them. Incase they detect then they can't enter, if not detected then they can enter and must go through the next machine that is the sanitation hub, it works with the principle of UV rays, UV rays can kill covid or any viruses if it's used in a controlled way, so there is no harm for the skin or eyes of the person. Its model is a transparent cylindrical lift, the person goes near it, it detects opens and then after entering it closes, UV rays are emitted in a controlled manner using high-tech and the coding's we provide, for 5 secs it's on progress and then the person is ready to go IN. The procedures are very timely so there won't be any discomforts. Inside SMS should be followed, incase of any emergency it's ok because the same sanitation hub is provided at the exit too. Even we can install this at our home, but there is no requirement of SMS or if virus is detected they can self quarantine. **THIS IS NOT ONLY FOR NOW, THIS CAN BE USED FOREVER FOR THE PROTECTION FROM THE NEW ARISING VIRUSES.**

### DESIGN OF THE DEVICES



*ELECTRONIC-V SCANNER*



*SANITATION HUB*





# The Food Machine

Aishwarya B Menon S2EC

In a showering night from a thundering dinner  
The pigs stayed huddled near a dinner round  
The food smelled right, the moods were high  
Their mouths, they watered for what the food machine gives

The food machine was served a constant feed  
The bucks of the roofs, and walls, of the houses below  
Worked its magic and turned it into food,  
The blood, sweat and tears of the people below—that is

The people below scurried with gaping mouths  
Their years of labour, turned into but scraps on the plate  
Helpless, as they watched it bring them down  
As the pigs above chowed down in glee,  
Their hapless faces twisted in pain  
So the people below dug at the ground,  
With all their might they clawed and gutted  
To escape the crunch of the crumbling walls  
To save their families, and find a new abode

The rats below watched and scurried  
As their roots of mud were clawed and tilled  
By the deafening cries of the people above  
Their squeaks were drowned out as if locked in a room

The rats and people, now homeless and desperate  
Raving to find scraps of food  
Climbed to the top of the pigs' abode  
And found those fleshy, but filthiest of all  
They clawed and gnawed at the pigs' flesh,  
Madness driving them to satiate their hunger  
The pigs they cried, they screamed, they ran  
They could not escape the hungry jaws  
Of the master they created



# THE PRINCESS

AP Anupama S4 EC1

The beauty lies beyond the room,  
And not everyone feel it.  
The princess of a small village,  
a girl of curiosity believes in wonders.  
They enjoyed the great work of the  
creator.  
But the village changed,  
This changed her too.  
They missed the rising sun in the dusk;  
The twinkling stars of sky,  
No more shined in her eyes.  
The little Princess lost her charisma;  
The world of wonders amused her no  
more.  
She was trapped in a luxurious ship,  
With no life jacket, in the great ocean of  
technology.  
The world of mobile amused her  
than the world of discoveries beyond the  
room.  
Her colourful shades of nature,

Leaped into the dusk shades of her room.  
Her hands with bracelets of jasmynes  
Were now decorated with wounds,  
The wounds by handcuff of mobile.  
The king and Queen,  
Lost Princess in the deep sea of the  
modern era.  
The bubbles and guns in the dark node;  
Made her eyes glitter.  
The glittering of love and empathy was  
lost.  
There was no more aware of  
The real guns of the real world.  
The reels and shorts have now,  
Became the flow of river which she  
enjoyed no more  
The princess of the beautiful village,  
Was now a prisoner of mobile.



# Roopa George: Leadership Interview

*Dr Nidhi MB  
Professor / Department of ME*



Roopa Anna George is a well-rounded, experienced dual professional – a Mechanical Engineer and a Chartered Management Accountant from the UK.

She brings to O/E/N over 16 years' experience in the UK as a Technical and Finance professional. Her longest stint was with Glaxo Smith Kline (GSK) for over 10 years, most of it in the UK, where she was interfacing between R&D and Finance, followed by one year in Dubai, both of which gave her enormous opportunities to assimilate international practices. Roopa also has exposure and experience in other industry sectors like hospitality and construction in the UK involved in the operations of OEN.

O/E/N India Limited was established in 1968, manufacturing Electro-Mechanical Components like Relays, Switches, and custom-built assemblies.

These components and products find applications in Automotive Electronics; Industrial Controls & Instrumentation; Defence; Aerospace; Power & Energy sectors etc. In O/E/N Roopa looks after Business Operations in ensuring achievement of targeted production as per budget and in rectifying co-ordination failures, apart from coordinating other business operations as required for efficient running of the Company. She directly assists the Chairman & Managing Director with the overall functioning of the Company by determining and implementing strategic decisions for the Company

One of her key strengths is her interpersonal skills, which keeps her connected at all levels of the organisation, thereby enabling transformation and empowerment at different levels towards fulfilling the 'One Big Team' concept. Her trademark out-of-the-box thinking has frequently helped in freeing the mindset from conventional comfort-levels to think through and overcome challenges.

Always emphasising the need to be quicker in implementing decisions, she has an uncanny knack for tackling constraints and handling conflict-situations. She encourages her teams to share suggestions, ideas and apprehensions, while being aware of the

risks involved, thereby creating a culture of being responsible for one's actions. She believes in the grass-roots approach and freely interacts even at the lowest levels to get to the bottom of any problem

Excerpts from the Interview:

Q: Kindly share your insights and learning that helped to overcome the challenges on the journey as Executive Director?

A: Even though I am a Mechanical Engineer, when I worked in the UK for 17 years I worked in Finance, so coming to a manufacturing company meant that I had to dust off the cobwebs of my Engineering, but it was really good to put to use those skills/learnings as a Mechanical Engineer. I pride myself to be a people's person and this also helped me to get to understand and relate to people. I also tend to learn or understand quicker when I actually see the issue (a trait of a Mechanical Engineer) and encourage the young people at the company to do that too. It helps understand and solve issues at a faster pace.

Q: Your learnings on being a Chartered Management Accountant from the UK.

A: Working in the UK is a really good experience, especially the work life balance and the flexible work culture. You tend to see a lot of various kinds of people from different cultures and backgrounds, learn from their experiences, their out of the box and non-judgemental attitude, and consideration is an absolute delight.

non-judgemental attitude, and consideration is an absolute delight.

Q: It is remarkable to be a Mechanical Engineer leading the OEN and having experience with hospitality and construction field. How would you reflect on this?

A: A Mechanical Engineer is what I am at heart and that will always be my fall back, my inception to logical thinking, my A & Z.

Q: Could you share the 'take aways' on core competencies as Glaxo Smith Kline?

A: Glaxo Smith Kline is and always was a company which took care of its employees. Even though it is multinational it is very focussed on training and developing people. I believe we cannot be experts in everything so we have experts with experience in all different fields, as leaders we ought to empower them to make difficult choices and have an open mind to listen to them as they are the experts in their fields. This would also help them grow and develop, also growing the company too with new trends and technologies.

**Q:** How do you envision your initiatives in OEN India, especially when managing OEN having more than

60 % women in workforce?

**A:** It's not easy managing a workforce. But I believe that with a shared vision to work as a team, giving the team ambitious goals, leading and inspiring them as much as possible, combining emotional intelligence with strategic thinking, all helps attain that goal. We have a core team to drive this and we interact on a regular basis, discuss and solve any issues, communication, being open all helps but what works best is TEAM and the pull which comes with working toward a final goal.

**Q:** Being a global citizen and heading OEN is a rare phenomenon. Could you share some of your strategic plans for the dream transformation in OEN in a global perspective?

**A:** We want OEN to function like a multinational even though we may not be, gearing up the team to that kind of thinking is a big task, for which team work is key, as one person or a group of people may not be able to take a 56-year-old company to the next level but if we all work together as a team a lot is possible. I have tried to bring that kind of thinking to the team, also by giving the core people key tasks and empowering them to all grow. We also are looking into new portfolios of business verticals so as to add value to the company. Slowly but surely we will get there!

**Q:** Unlike in Foreign Universities, the challenges of Industry are hardly shared with academic Institutions here. The Industry-academia gap is larger. What would be your suggestions to address the same?

**A:** I see a lot of Engineers passing out and going into jobs which are away from their core subjects. I would encourage new Engineers to work in their core fields. Also I see a lot of students opting for Computer Science, ideally better to have a basic Engineering and then aim to develop yourself with new technologies like Machine learning, AI etc.

I also see new Engineers pursuing MBA which I would always suggest once you have some work experience, this would help making the best out of Engineering and of MBA. Same applies to MTech in my opinion.

I also see many lady engineers who end by being at home, even though it may be difficult I would encourage Engineers to work.

**Q:** What according to you are lacking in the young graduates who are trained in Kerala's Engineering Institutions?

**A:** I feel that the young generation lack practicality and I believe this would come with encouraging them to be independent, earn as early as possible, exposure to hard work. Outside India, especially in Europe, UK kids tend to do odd jobs towards the end of their school, summer jobs, these make them independent, fit for the big bad world outside their comfort zones.

**Q: How would you comment on the concept of a flexible job / work near home initiative of GoK?**

**A:** It's a very good concept to have especially for young families with young children, also expectant mothers. A hybrid working environment helps balance work and life too as long as people don't misuse it

**Q: Would you like to share the upcoming projects at O/E/N?**

**A:** We have a lot going on in O/E/N – projects ranging from defence to Smart energymeters, EV projects and many more electronic projects too as electronics is the future.

**Q: How would you prefer to describe yourself in a word/phrase?**

**A:** I would describe myself as the quintessence of “power with” leadership – I believe that true leadership comes from empowering, supporting & genuinely caring for others. Emotional intelligence is very important in this day and age and as leaders we ought to nurture and grow people with us.

**Q: Could you throw light on the sustainable/green initiatives at O/E/N?**

**A:** We have many green initiatives in O/E/N, we are now in the process of going for certification for Sustainable Energy Management.

**Q: Your views on the Global opportunities for Keralites?**

**A:** There are certainly opportunities for Keralites abroad but at this time I urge the young folk to stay back and be part of the exponential growth in India.

**Q: With industry 5.0 catering Society 5.0, what would be your message to young Engineering Graduates? O/E/N has benefit from Make in India?**

**A:** India is at the moment a very fast growing country with a lot of opportunities for young Engineers especially in the core fields so my advice to the young folk is study hard, follow your passion and dream big to be part of that Indiagrowth trajectory. O/E/N has certainly got benefits from Made in India and we look forward to the growing India.

**Q:** You have been great in hand picking the right combination of skilling to match industry needs. What will be your advice to young Professionals in building the skill set and tracking the Industry trends? How should they do it?

**A:** You would be best at what you really enjoy doing. For that we need to do some kind of introspection and understand what we as individuals enjoy doing and then ask for advice from a person/s who has experience and an open mind-set. In my opinion, service departments like HR, Finance, Supply Chain would benefit from Engineers as they would help with the technical aspects especially in a manufacturing company.

**Q:** What will be your message for Administrative aspirants among Engineering graduates?

**A:** Every Company needs good administrative people to help run the show, but you need to learn from the people who run the show already and make sure you are equipped to make good decisions at the right time in a fast paced manner. But I always urge people to ask questions, ask for help if needed, always work as a team, one person or a few people cannot run the show. So take the team with you, help them grow and this would help your growth too.

**Q:** What will be your suggestions for young aspiring graduates who can be part of Industries depart through academia collaboration?

**A:** India, aiming to be a developed nation by 2047, provides for each one of us an abundance of opportunities including manufacturing. The skills that we need to manufacture at global standards should be developed in every Engineering graduate and it is only through meaningful collaborations between Educational Institutions and Business Firms that we can mould a new set of talent. Such interactions can also help in upskilling of existing employees. This collaboration can instil fresh new business ideas for both and lead to innovative methods of manufacturing and even give way for new start-ups. India is a hotspot of talent and is the right time to nurture it for the greater good of this developing nation for which technical collaborations with bright minds/academia have become inevitable.

**Q:** Your Role Models who have influenced you?

**A:** GSK has the most influence in that regard professionally – the CEO of GSK at my time there, and the most down to earth CFO I have come across during the entire length of my career, he always had a smile and would talk to anyone even if he did not know them, and the thing is next time he would see you, he would remember you and everything you had mentioned to him about it, it was that personal touch which made a difference. At a personal level, my Grandfather who is the founder of O/E/N, 56 years ago this year. My mother who looked after the company for 50+ years.

Q The books that have moulded your skills and approaches?

- The Toyota Way
- The Monk who Sold his Ferrari
- The Alchemist etc. ....



# Amma, *our true hero*

Anoushka L Nair, S6 EC

**Amma, This is for You**

**Amma, this is for you,  
You are courageous, through and through.  
You are strong, you stand tall,  
In every challenge, you never fall.**

**You are confident, full of grace,  
With a loving heart, you embrace.  
You sacrifice, you give your all,  
In every moment, big or small.**

**You do everything for us,  
Without complaint, without  
fuss.**

**Amma, this is for all mothers  
out there,  
You are the real heroes,  
beyond compare.**







# THE TRUE COST OF CONVENIENCE

Nandan S Ram S6ME

## *Are Packaged Products Worth the Price Hike?*

In today's fast-paced world, the convenience of purchasing pre-packaged products from food marketplaces is a norm. But have you ever stopped to consider the actual profit margins for the marketplace owners and whether you are paying too much for this convenience? Recent trends show that marketplace owners, especially those dealing with packaged products, enjoy significant profits, often earning double their initial investment. This raises an important question: are consumers being charged fairly, or are we simply accepting inflated prices for the sake of convenience?

## *Understanding the Profit Margins*

To understand the profit margins of food marketplace owners, let's take a closer look at the numbers. For instance, if a marketplace owner invests ₹100 in purchasing a packaged product, they typically sell it for at least ₹200. This markup ensures a 100% profit, meaning the owner recovers their initial investment and makes an equivalent amount in profit. This doubling of investment highlights a substantial profit margin that benefits the marketplace owners significantly.

The rationale behind such high profit margins often includes covering operational costs such as

rent, salaries, utilities, and other overheads. However, the extent of the markup is often much higher than necessary to cover these expenses. This leads to substantial profits for marketplace owners, raising concerns about the fairness of pricing for consumers.

## *The Impact of Sales and Discounts*

Interestingly, even when food marketplace owners offer substantial discounts, such as a 50% off sale, they still manage to make a profit. Let's consider a scenario where a product that costs ₹100 is sold at ₹200 during regular days. During a 50% off sale, the product would be sold for ₹100, which is the same as the cost price. This means that the owner breaks even, without incurring any loss. However, most products are purchased at a wholesale price significantly lower than the selling price. For example, a product costing ₹50 might be sold for ₹200. In such cases, even a 50% discount still results in a profit. This was evident in a recent sale event by LuLu Mall in Thiruvananthapuram from July 4 to 7, 2024, where substantial discounts were offered, yet the marketplace still enjoyed significant profits. This strategy not only attracts more customers but also ensures continued profitability for the marketplace.

### *Questioning the Fairness of Pricing*

Given these insights, it is essential to question the fairness of pricing for consumers. Are we genuinely getting value for our money, or are we being taken advantage of for the sake of convenience? While it is understandable that marketplace owners need to make a profit to sustain their business, the extent of the profit margin raises ethical concerns.

Consumers should be aware of the markups and consider whether the convenience of pre-packaged products justifies the high prices. Additionally, there is a need for greater transparency in pricing to ensure that consumers are not overcharged. Informed consumers can make better purchasing decisions, opting for products that offer better value for money.

### *The Role of Consumers*

As consumers, we have the power to influence market practices by making informed choices. By supporting businesses that offer fair pricing and good value for money, we can encourage more ethical practices in the marketplace. Additionally, exploring alternative options such as buying in bulk, opting for fresh produce, and preparing meals at home can help reduce dependence on overpriced packaged products.

The substantial profit margins enjoyed by food marketplace owners, particularly those dealing with packaged products, highlight a significant issue in pricing fairness. While the convenience of these products is undeniable, it is crucial for consumers to be aware of the actual costs and make informed decisions. By questioning the fairness of pricing and exploring alternative options, consumers can ensure they are getting true value for their money while encouraging more ethical market practices.

In a world where convenience often comes at a high cost, it is up to us to decide whether we are willing to pay the price or seek better value elsewhere.



*You Left us Early*

REEBA SUSAN  
MAMMEN

S1 CS-2

# Soul

*Joice Mary Ajith S4 EE*

**I love you,  
as the moon cherishes the stars,  
and the tides embrace the shore.**

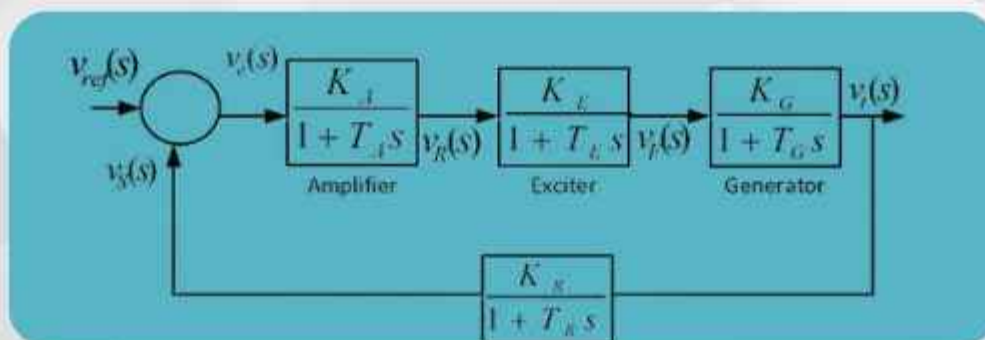
**Once, I hated you with my heart,  
But now, it brims with love for you.  
I yearn to give you all love, But, that is what you already are.  
I shall love you, each passing day,  
like the first day I fell in love with you.  
I love you, for being a beam of light,  
a whisper of hope, when all I had for years was darkness.  
You believed in me, when others faltered,  
you infused me with love, when I was empty,  
you healed me when I was full of scars  
You transformed my heart into the epitome of beauty,  
you crafted me into a poetry, that I never thought I could be.  
I shall love you, until the sun loses its brilliance,  
until the moon dims its radiance, until the sea becomes calm.  
I shall love you, until time's final breath,  
for you are my soul with whom I came and  
will leave in the end.**



# A SHORT STUDY ON AUTOMATIC VOLTAGE REGULATOR (AVR)

ANOUSHKA L NAIR S6 EC

This active system regulator is mostly used to regulate the voltage output of very huge generators that are commonly used in ships, oil rigs, big buildings, and so on. The circuitry of an AVR is complex and consists of all active and passive elements along with microcontrollers. The basic principle of the AVR is the same as a ordinary voltage regulator. The input voltage of the generator exciter is controlled by the AVR and when the generator voltage is increased or decreased, the output voltage of the generator automatically increases or decreases. There will be a predetermined set point on which the AVR sorts out the amount of voltage that is to be passed on to the exciter every millisecond. Thus the output voltage is regulated. The same operation becomes more complex when only one AVR is used to regulate multi generators that are connected in parallel.



# The Mysterious Library of Lost Knowledge

Ananth P Nampoothiri, Nandana M S6 ME

Emma and Ryan were typical students at Prestwick University, a school renowned for its history and academic rigor. Emma was a literature major with a passion for ancient texts, while Ryan was a history buff who loved digging into the past. They had heard whispers of a hidden library deep within the campus's ancient walls, a place where forgotten knowledge and ancient secrets lay buried, waiting to be uncovered.

One evening, as they studied late in the library, Emma found an old, leather-bound book tucked away on a high shelf. Inside was a cryptic map with strange symbols and an inscription in Latin that read: "Knowledge awaits those who seek." Intrigued, they decided to follow the map, embarking on a treasure hunt that led them through the university's oldest buildings.

The map guided them to the clock tower, where they found a hidden compartment containing a key and another clue. From there, they ventured into the basement of the science building, discovering hidden symbols and cryptic messages along the way. Each clue brought them closer to their goal, and their excitement grew with every step.

Finally, they arrived at an old oak door hidden behind a tapestry in the main hall. The key fit perfectly. With a creak, the door swung open, revealing a spiral staircase that descended into darkness. Their hearts pounding, they descended the stairs and found themselves in a vast, dimly lit chamber filled with dusty tomes, ancient scrolls, and mysterious artifacts. The air was thick with the scent of old parchment and forgotten knowledge.

As they explored the hidden library, they discovered journals from the university's founders, detailing forgotten discoveries and groundbreaking research that had never been published. They found ancient scrolls containing knowledge that predated modern science and medicine, revealing cures for diseases long thought incurable and engineering marvels that had never been built.



But the most shocking revelation came when they stumbled upon a series of letters between the founders. These letters revealed a hidden agenda: the university had been established not just to educate, but to protect and preserve dangerous knowledge that, if misused, could threaten humanity. The founders had buried this knowledge to ensure it remained hidden until the world was ready for it.

As Emma and Ryan delved deeper into the library's secrets, they began to understand the true purpose of their education. It wasn't just about memorizing facts and passing exams; it was about the responsible pursuit of knowledge and understanding the impact it could have on the world. They realized that knowledge is power, and with power comes great responsibility.

Their journey through the mysterious library changed their perspective on learning, friendship, and the true meaning of education. They returned to their studies with a newfound appreciation for the secrets hidden within the ancient walls of their university. They vowed to honor the legacy of the founders by using their knowledge wisely and sharing their discoveries with those who would use it for the greater good.

In the end, Emma and Ryan's adventure in the mysterious library was more than just a thrilling treasure hunt. It was a journey of self-discovery and enlightenment that taught them the value of knowledge, the importance of curiosity, and the power of friendship. They emerged from the shadows of the past, ready to face the future with a deeper understanding of the world and their place in it




## kaleidoscope

*Dr. Sreedevi P [Associate Professor | ECE Dept]*

Life is a kaleidoscope  
The pieces of coloured glasses  
The fragmented memories or  
The broken dreams of life.

May it be of happiness or pain  
Exquisite pattern I draw  
With the reflection of  
Blazing and faded colours.  
In my journey through the  
Boulevard of life.





# HOW I BECAME A MINIMALIST, AGAIN

SOPHY MARIA JOY, S6-EE

Minimalism is a lifestyle that emphasizes simplicity and reducing unnecessary elements. It can be applied to all aspects of life ranging from possessions, career, relationships and finance to name a few. Minimalism was something I came across in my 11th grade in a random YouTube video and I thought I would never look back again. I purged and purged all that didn't align with the basic necessities I had and was at a happy place in my life, mentally.

Navigating the nuances of a new ecosystem, that is College, was more stressful than I could have imagined. The endless assignments, group tasks, connections and the network that preceded and the exposure to social media—all of these influenced my mindset to slowly shift back to my pre-minimalist days. People in my life also fueled this shift, when one of them who I truly cared for said: "Minimalism is futile and worthless. Why not enjoy everything that was created for us". What preceded was the inevitable. One fine morning I declared that I am no longer a minimalist- I will start buying more clothes, more makeup, more jewellery, more stationery, more everything I could lay my hands on. The haul videos in social media didn't help either. I was blind-sided by hyper consumerism and the societal narrative that success equals more - more and better stuff and more relationships. Man is a social animal, and at my age, people's opinion matters more than anything. But the excess of anything results in chaos and a feeling of claustrophobia. I started feeling this too, worse than when I first started out on this lifestyle journey back in 11th grade. Slowly but steadily, realisation started to kick in- no, this is not how I want to live my life, this is not how I find myself. And thus restarted my minimalism journey.

The first set of "things" that I purged was the amount of people who had a direct impact in my life and that direct impact was through social media. I quit all social media, except LinkedIn (for professional purposes strictly) and that was one of the most freeing and wonderful decisions of my life. I am no longer bound by the pressure to showcase my life or the FOMO that comes with not checking various social media platforms all the time. I do not need to know what everyone who I remotely knew or do know actively, do all the time anymore. The next thing I did was to limit my daily interactions to people I love and care about. Always talking, always finding new people to mingle with are encouraged by society but what is the ultimate prize we pay? - Our mental health. I chose to claim mine back. The next thing to do was purge all my physical possessions. The amount of things I had hoarded in the span of months was devastating. I had to give away a significant amount to feel even a tiny bit less overwhelmed. And the list went on and on of how much things I had- makeup, jewellery, clothes, stationery, everything everything. I even sold off my desk and am sitting on the floor now with a foldable bed table.

Life takes us through unexpected circumstances to give us valuable lessons. Through my journey foraging off and coming back to minimalism, I have realised the importance of truly having enough- enough to make you happy and live life to the fullest without the attached emotional baggage and possessions.



# The Vanishing Night

Saurav S S8CS

It was a fine young morning when little Adam saw a scene of men taking away, with horses trudging along with them. His mind was still fogged just having woken up, so the first thing that came to his mind was to wake up his sleeping Father. His Father trudded outside, rubbing his eyes, which widened at the sight of the fleet of men with horses. He staggered up to them: "The- The horses! Where are you taking them?"

"Huh? You didn't know?" One of the men said hastily. "The landlord sold this place and half the horses for a fortune. After they raced the taxes here, apparently there just wasn't enough money to be made here."

Adam's Father Jonathan let go of the man and just stood there staring. "Sorry, the war took many things from many people. We just have to bear this for now".

A few days passed after this and Adam was sitting near the dinner table expectantly. He saw his Mother coming in at the time. He wondered why she was coming so late. For some reason she couldn't tell him. He could hear his parents arguing, but his twelve year old self could not make sense of anything that they hurled at each other.

His Mother walked to the dinner table in a reluctant daze and served the food. He noticed that for the past few days his meals were growing smaller and smaller. His dad was standing behind, with a scowl on his face. His Mother's tired and worn hands were placing the soup on the table when he asked: "Mom, why is it so less today?"

A gasp escaped her throat but she didn't say anything. The dreadful expression on his father's face darkened, but he stood there like a speechless statue.

Two months had passed. Adam sat at the entrance of his house watching his drunken father get in.





A shout erupted from behind suddenly: "Hey, Adam why are these plates unwashed? Did you forget that that god forsaken mother of yours isn't here to spoil you anymore? If you can't convince her to come back, then do your work properly!"

At this point, Adam was curious as to what exactly had turned their home into this abode of a monster. So he followed his dad to work the next day.

The evening sun orienteering into the darkness, his father ran up to a man and was saying something with a desperate, panting face.

"Sorry, this won't cut it. With the new taxes, the landlord is barely breaking even, you are not the only one in the pit here." the man said nonchalantly.

"But, without more horses and equipment, this is the best we could. Our families are barely getting by". The man just shook his head.

Tomorrow, Adam turns fifteen. He felt the growing power of his arms and dreaded it was time he bared his fangs at the people oppressing him and stood his front against the injustice being done to him and his family.

Tonight when his dad is home, Adam would not be there. His older friends stood outside the house, beckoning to him through the window. He clenched his fists and with eyes filled with determination he walked up to them and disappeared into the forest.

And there he was, Adam's dad, Jonathan, breaking the tables in a drunken fit after his son had gone missing for a week. He stood there breathing heavily, like a caged beast. Suddenly, some people knocked at his door. They were some men in a palace suit.

"I'm afraid you would have to leave this place, Sir", Jonathan stood there with his eyes gouged. "What!?"

"The Landlord here was killed a few days back, along with many of his subordinates. No one is buying the land until the situation with the Rebels is sorted out."

Jonathan just stood there, a surge of grief had drowned his self-consciousness.

"And, by the way, I heard that your son was spotted among the Rebels here..It's just a rumor though."

Jonathan watched as the sun set into the mind-numbing darkness of the night.





# വസന്തം

വസന്തത്തിന്റെ മുത്തുകൾ





# മാതൃഭാഷയുടെ പ്രാധാന്യം

മാതൃഭാഷ എന്ന കേൾക്കുമ്പോൾ തന്നെ നമ്മുടെ മനസ്സിൽ മാതൃത്വത്തിന്റെ ഒരു അനുഭവം ആണ് സൃഷ്ടിക്കപ്പെടുന്നത്. ഇന്ന് മാതൃഭാഷയേക്കാൾ പ്രാധാന്യം മനുഷ്യൻ മറ്റ് പല ഭാഷകൾക്കും നൽകുന്നുണ്ടെങ്കിലും നാം ജനിച്ച് വളർന്ന ഭാഷ ഒരിക്കലും മറക്കാൻ നമ്മുക്കാകില്ല.

കേരളീയരുടെ മാതൃഭാഷ മലയാളം ആണ്. ഇന്ന് പല വിദ്യാഭ്യാസ രംഗത്തും ജോലിസ്ഥലങ്ങളിലും മാതൃഭാഷ എന്നത് അവഗണിക്കപ്പെടുകയാണ്. എന്നാൽ മാതൃഭാഷ സ്വന്തം നാട്ടിൽ എന്നും പ്രാധാന്യം ഉള്ളത് തന്നെയാണ്. ഏത് നാട്ടിൽ പോയാലും "അമ്മ" എന്ന മലയാള അക്ഷരം വിളിച്ചു ശീലിച്ചവർ ഒരു 90 ശതമാനം പേരെങ്കിലും. അമ്മ എന്നെ, അമ്മമാരെ വിളിക്കാറുള്ള അവിടെയാണ് മാതൃഭാഷയോടുള്ള ബഹുമാനം നമ്മുക്ക് മനസ്സിലാകുന്നത്.

ഇന്ന് പലർക്കും മാതൃഭാഷ സംസാരിക്കുവാൻ തന്നെ താത്പര്യം കുറയുകയാണ് അതിനു കാരണം മാതൃഭാഷ കുറഞ്ഞ ഒരു ഭാഷയാണെന്ന് കരുതുന്നത് ആണ്.

മാതൃഭാഷ ആണ് ഏത് ഭാഷയുടെയും അടിസ്ഥാനം ആ അടിസ്ഥാനം ഇല്ലെങ്കിൽ ഒരു ഭാഷയും പഠിക്കുവാൻ നമ്മുക്ക് സാധ്യമല്ല.

മാതൃഭാഷയെ നാം ബഹുമാനിക്കണം നാം ആദ്യം പഠിച്ചതും വായിച്ചതും ആയ അക്ഷരങ്ങൾ മാതൃഭാഷയിലാണ്. നാം ഓരോ പടി മുന്നിലുയരുമ്പോഴും പലതരത്തിൽ ഉള്ള ഭാഷാകൾ നമ്മൾ പഠിച്ചാലും അത് എലാം മറന്നുപോയാലും മാതൃഭാഷ നാം ഒരിക്കലും മറക്കില്ല. ഓരോ അക്ഷരങ്ങൾ എഴുതി പഠിക്കുമ്പോഴും ഓരോ കുട്ടികളേയും മനസ്സിൽ മാതൃഭാഷ എന്താണെന്നും അതിനെ എങ്ങനെ ഉപയോഗിക്കണം എന്നും അങ്ങനെ ദുരുപയോഗം ചെയ്യാതിരിക്കാം എന്നും മനസ്സിലാക്കിയിരിക്കണം.

എല്ലാ മാതൃഭാഷകളും അവരവരുടെ സ്വകാര്യ അഹങ്കാരം തന്നെയാകണം. മാതൃത്വത്തിന്റെ ബഹുമാനവും സ്നേഹവും ഓരോ മനുഷ്യനും സ്വന്തം നാടിനും മാതൃഭാഷയിലും കൊടുക്കേണ്ടിയിരിക്കുന്നു.

ശ്രീജിത് സി, എസ് ജി.സി.



# ഒരു നിമിഷംകൂടി

ശ്രേയ ഷെൽജി , എസ്4 സി.എസ്.

നിഴലായി എൻ കൂടെ  
നടന്നൊരി എൻ സ്വപ്നം  
വർത്തമാനകാലത്തിൽ എൻ  
സ്വന്തം തോഴിയായി  
മറ്റൊരിക്കലുമില്ലാത്ത പ്രദയിൽ

എന്നാൽ ചവിട്ടിമെതിക്കപ്പെട്ടു  
ഈ സ്വപ്നം, ഒരു ചെറു  
തേങ്ങലോടെ ഞാനോർത്തു  
എന്താണീ ജീവിതം?  
എന്താണ് എൻ സ്വപ്നം

പാദങ്ങൾ താഴ്ത്തി മണ്ണിലേക്ക്  
അമർത്തപ്പെടുമ്പൊരി നിമിഷം  
അതിൽ താഴെ പിടയുന്നൊരി  
ചെറുജീവിതങ്ങൾ  
ഒരു നിമിഷം കൂടി ലഭിക്കുമോ, ഞാനോർത്തു

മാറാപ്പുവെച്ചു മണ്ണിലാഴ്ന്നപ്പോൾ  
വിസ്മരിക്കാതിരുമ്പൊരു കാര്യം,  
ഇതിന് സമൂഹം, ഇവിടെ ഇതിങ്ങനെ സംഭവ്യം  
കാരണം സ്നേഹമില്ല മനുജൻതൻ മനസ്സിൽ  
അതില്ലാതെ നമ്മൾ എന്തുയർച്ചയിലെത്തും.



# അമ്മ മലയാളം

എ. പി. അനുപമ , എസ് 4 ഇ.സി .

' മറ്റുള്ള ഭാഷകൾ കേവലം ധാത്രീമാർ, മർത്തുനൂ പെറ്റമ്മ തൻഭാഷ താൻ ' എന്ന വരികൾ നാം മനുഷ്യൻ എന്നും സ്വർഗ്ഗങ്ങളെയാണ്. സ്വന്തം ഭാഷയെ അറിയുന്നവന്മാർ മാത്രമേ മറ്റു ഭാഷകളിൽ മികവ് പുലർത്താൻ കഴിയൂ. ഒരു കുഞ്ഞും അമ്മയും തമ്മിലുള്ള പൊക്കിൾകൊടി ബന്ധം പോലെയാണ് ഒരു കുഞ്ഞിന്റെ പൂർണ്ണ വികാസത്തിന് മാതൃഭാഷയും മായുള്ള ബന്ധം.

മനുഷ്യൻ എത്ര തന്നെ പുരോഗമിച്ചാലും അവന് ഒരിക്കലും തന്റെ മാതൃഭാഷയെ മറക്കാൻ സാധിക്കുകയില്ല. ഒരു വിത്ത് മുളച്ച് എത്രതന്നെ കറുപ്പുകൊണ്ടാലും അതിന്റെ വേരിന് ഉറപ്പില്ലെങ്കിൽ അത് പിഴുതെറിയിക്കപ്പെടും. അതുകൊണ്ടുതന്നെ മനുഷ്യൻ സ്വന്തം ഭാഷയ്ക്ക് പ്രാധാന്യം നൽകാതെ മറ്റു ഭാഷയിൽ എല്ലാം എത്രതന്നെ പണ്ഡിതനായി എന്ന് പറഞ്ഞാലും പ്രയോജനമില്ല. കാരണം അവൻ സ്വയം നിരീക്ഷിക്കുകയാണെങ്കിൽ അവന് മനസ്സിലാകും, വെറും ബഹുമാന അറിവ് മാത്രമേ അവന് ആ ഭാഷയിൽ ഉള്ളൂ എന്ന്.

ഒരു വ്യക്തിയെ വളർത്തി വളർത്താൻ അച്ഛനും അമ്മയും ഉപേക്ഷിച്ച് പണത്തിനും സുഖസൗകര്യങ്ങൾക്കും പുറകെ പോകുമ്പോൾ ഒരു കാലം കഴിഞ്ഞു താനും തന്റെ മാതാപിതാക്കൾ അനുഭവിച്ച ഒറ്റപ്പെടൽ അനുഭവിക്കേണ്ടിവരും എന്ന് വിസ്മരിക്കുന്നു. ഇതുപോലെ തന്നെയാണ് മനുഷ്യന് മാതൃഭാഷയുമായുള്ള ബന്ധവും. കാരണം മനുഷ്യൻ അവന്റെ ആരോഗ്യനില മോശമാകുമ്പോഴും അവന് സ്വയം ഒന്നും ചെയ്യാൻ പറ്റാത്ത ഘട്ടത്തിൽ എത്തുമ്പോഴൊക്കെ അവന് അവന്റെ ഭാഷയാകും തുണയാവുക.

ഒരു വ്യക്തിക്ക് അവന്റെ അറിവ് വളർത്താൻ ഏറ്റവും സഹായമാകുന്നത് അവന്റെ മാതൃഭാഷ തന്നെയാണ്. സ്വന്തം മാതൃഭാഷയിൽ ഏതു വിഷയത്തെക്കുറിച്ചും വളരെ ലളിതമായും പ്രാസംഗികമായും മനസ്സിലാക്കാൻ സാധിക്കും. അതുപോലെ തന്നെ നമ്മുടെ മറ്റൊരാളോട് നമ്മുടെ വ്യക്തിപരമായ അഭിപ്രായങ്ങൾ രേഖപ്പെടുത്താൻ ഏറ്റവും എളുപ്പം നമ്മുടെ ഭാഷയിൽ തന്നെയാണ്. എത്ര തന്നെ കഠിനമായ വിഷയങ്ങളെയും വളരെ ലളിതമായി മനസ്സിലാക്കാനും ആ വിഷയത്തിന്റെ സൗന്ദര്യത്തെയും ലാലിത്യത്തെയും മനസ്സിലാക്കാനും എപ്പോഴും മാതൃഭാഷയാണ് നല്ലത്.

ഏതു വിഷയം പഠിക്കുന്നതും ഏത് ഭാഷയിൽ പാണ്ഡിത്യം നേടുന്നതും നല്ലതാണ്. പക്ഷേ അത് ഒരിക്കലും സ്വന്തം ഭാഷയെ വിസ്മരിച്ചുകൊണ്ട് ആകരുത്. കാരണം അടിത്തറയ്ക്ക് ബലം ഇല്ലെങ്കിൽ എത്ര തന്നെ വലിയ കെട്ടിടമാണെങ്കിലും അത് "ഭോഗങ്ങൾ എല്ലാം കഴിഞ്ഞുപോയപ്പോൾ" എന്ന് എഴുത്തച്ഛൻ പറഞ്ഞത് ഓർക്കേണ്ടിവരും. അതുകൊണ്ടുതന്നെ മാതൃഭാഷയെ മറക്കുന്നവർ സ്വന്തം അമ്മയെ തിരസ്കരിച്ചവന്മാരുമായിരിക്കും.

# വേനൽ

## വസന്തത്തിൻ

### ഓർമ്മയിലേക്ക്

മെറിൻ ഫിലിപ്പ്  
അസിസ്റ്റന്റ് പ്രൊഫസർ, ഇ.സി.ഇ. വിഭാഗം

ഒരു ദിവസം ലാബിലിരുന്ന് വെളിയിലേക്ക് നോക്കിയപ്പോൾ കൊന്നമരം പൂത്തുനിൽക്കുന്ന മനോഹരമായ ദൃശ്യത്തിൽ മനസ്സു പതിഞ്ഞു എവിടെയൊക്കെയോ നഷ്ടപ്പെട്ട ബാല്യകാലം അപ്പോൾ മനസ്സിലേക്ക് ഓടിയെത്തി വേനൽക്കാലത്തിന് ഇത്രയധികം രുചിയുള്ള ഓർമ്മകൾ ഉണ്ടായിരുന്നു എന്ന് ബോധ്യമായി ചിന്തിക്കാനും എഴുതുവാനും വായിക്കാനും സമയമില്ലാതെ നെട്ടോട്ടമോടുന്ന ഈ സമയത്തിൽ മനസ്സിൽ വിരിഞ്ഞ വസന്തം തന്നെ ആനന്ദത്തിന് അതിർവരമ്പുകൾ ഇല്ലായിരുന്നു. പ്രണയ ഹരിതമായ പ്രകൃതി എന്നും മനുഷ്യർക്ക് ഒരുക്കുന്ന വിരുന്നാണ് വിസ്മയമാണ്. എന്നാൽ അത് ആസ്വദിക്കാനുള്ള സാഹചര്യം നമുക്ക് കുറഞ്ഞു കൊണ്ടിരിക്കുന്നു. ബാല്യകാല ഓർമ്മയിലേക്ക് തിരിഞ്ഞുനോക്കുമ്പോൾ നിറമങ്ങാതെ നിൽക്കുന്ന ഒരു വേനൽ വസന്തത്തിന്റെ വിദഗ്ദ്ധ ആയിരുന്നു കശുവണ്ടി ചുട്ടുതിന്നുന്നത്. സൂര്യനുദിക്കുന്നതിനു മുൻപ് തന്നെ പറമ്പിൽ പോയി കശുവണ്ടി പാക്കുന്നതും സന്ധ്യാസമയത്ത് അത് ചുട്ടു കഴിക്കുന്നതും നിറമങ്ങാത്ത ഓർമ്മയാണ്. രാത്രിയിൽ വിരിഞ്ഞ മുല്ലപ്പൂക്കൾ വാഴയിലയിൽ രാവിലെ പൊതിഞ്ഞു കൊണ്ടുവരുന്നതും അതുമാല മുടിയിൽ ചൂടുന്നതും ഇന്നലെ എന്ന പേരിലെ മനസ്സിൽ തെളിയുന്നു.

കാറ്റത്ത് പൊഴിയുന്ന കണ്ണിമാങ്ങയുടെ ശബ്ദം കേട്ട് കൂട്ടുകാരിയുമായി മത്സരിച്ചു ഓടുന്നതും താഴെ വീണ പഴുത്ത കണ്ണിമാങ്ങ രുചി ഇറക്കുന്നതും വേനൽ വസന്തത്തിന്റെ മറ്റ് കൂട്ടുന്നു. ഓണം അടുക്കുമ്പോൾ നാടു മുഴുവൻ നടന്ന പൂക്കൾ ശേഖരിക്കുന്നതും ഒരുമിച്ചിരുന്ന് ഒരുക്കുന്നതും ഇതിൽപ്പെടുന്നു. വേനൽ മഴ പതിവില്ലാതെ മണ്ണിൽ പതിക്കുമ്പോൾ തിരികെ വരുന്ന പൂഴിമണം എത്ര ആസ്വദിച്ചാലും മതി വരില്ല. കണ്ടു മതിവരാത്ത തെങ്കാശിപ്പട്ടണവും അനിയത്തിപാവും ടെലിവിഷനിൽ വരുമ്പോൾ കൂട്ടുകാർ ഒരുമിച്ചിരുന്ന് കാണുന്നതും നാരങ്ങാ മിറയിയും തേൻ മിടിയുമായി മത്സരിച്ചു വാങ്ങി കഴിക്കുന്നതും ഇതിന്റെ ഭാഗമാകുന്നു. ഓരോ രാത്രിയിലും കൂട്ടുകാരികളെ പിരിയുമ്പോൾ നാളെ എന്തൊക്കെ ചെയ്യാം എന്ന് വീചാരിച്ച് ആകും തിരികെ എത്തുന്നത് സന്ധ്യാസമയത്ത് കൂട്ടിയ കരിയിലകൾ കത്തിക്കുമ്പോൾ എന്തോ മഹാകാര്യം ചെയ്ത് അനുഭവിയും ഉണ്ടായിട്ടുണ്ട്. രാത്രിയും മെഴുകുതിരി വെളിച്ചത്തിൽ ഇരുന്ന് കഥാപുസ്തകം വായിക്കുന്നതും ചുറ്റും പൊങ്ങിയും താനും പാക്കുന്ന പ്രാണികളെ നോക്കിയിരുന്നതും വിനോദമായിരുന്നു. വേനൽ വസന്തം മറന്നിട്ടൊന്നും തുടങ്ങുമ്പോൾ വീണ്ടും വിദ്യാലയങ്ങളിലേക്ക് പോകാൻ മനസ്സ് ഒരുക്കമായിരുന്നില്ല. കൂട്ടുകാരെ നഷ്ടപ്പെടുമ്പോഴും പാടവും തൊടിയും കളിസ്ഥലങ്ങളും ഇല്ലാതാകുമ്പോഴും

മനസ്സ് മരവിച്ചു പോയിരുന്നു. മഴക്കാലം തുടങ്ങുമ്പോഴേക്കും വേനൽ വസന്തത്തിന്റെ മറ്റ് കുറഞ്ഞു വരുന്നത് പ്രകൃതി തന്നെ കാട്ടിത്തരുമല്ലോ. പുത്തൻ ബാഗും കൂടയും പുതിയ യൂണിഫോമും ആയി വിദ്യാലയത്തിൽ എത്തുമ്പോൾ അറിവിന്റെ പുതിയ ലോകം അവിടെ തുറക്കുകയായി. ഓരോ വേനൽ അവധി കഴിയുമ്പോഴും പകുതയും ഉത്തരവാദിത്വവും കൂടി കൂടി വരു. തിരികെ വരാത്ത ആ ബാല്യകാലം മനസ്സിൽ എവിടെയോ ഒളിച്ചിരിക്കുന്നു. ഇന്നത്തെ ഒരു സോഷ്യൽ മീഡിയയ്ക്ക് പോലും ഈ മധുരമുള്ളൊരു ഓർമ്മകൾ സമ്മാനിക്കാൻ കഴിയുകയില്ല. ഇന്ന് ഓർത്തെടുക്കാൻ ശ്രമിക്കുമ്പോൾ ഒരുപാട് നഷ്ടബോധം തോന്നി പോവുകയാണ് മനസ്സിൽ. കഴിഞ്ഞ കഴിയുമ്പോൾ മധുരം ഉറപ്പുനീക്കുന്ന നല്ലൊരു പോലെ മധുരം നിറഞ്ഞ ഓർമ്മകൾ വീണ്ടും മനസ്സിൽ എവിടെയോ പോയി ഒളിച്ചു. അപ്പോഴേക്കും ബെല്ലടിച്ചു.



# വ്യക്തിത്വ വികസനത്തിലെ പ്രശ്ന സമീപനങ്ങൾ

സബീഷ് പിറ്റർ | അസി. ലൈബ്രറിയൻ

"അന്തസ്സുള്ള ഏത് ജീവിതത്തിന്റെ പിന്നിലും അദംഗുരമായ അച്ചടക്കത്തിന്റെ ശക്തി കാണാം", എന്നാണ് സോഫോക്ലീസ് പറഞ്ഞിട്ടുള്ളത്. നമ്മുടെ ശേഷിയെയും പ്രതിഭയെയും ഫലപ്രദമായി പ്രവർത്തനോന്മുഖമാക്കാൻ ഉതകുന്ന ഏറ്റവും പ്രധാനപ്പെട്ട ഘടകങ്ങളിൽ ഒന്നാണ് അച്ചടക്കം. അച്ചടക്കം അടിച്ചേൽപ്പിക്കാവുന്ന ഒന്നല്ല സ്വയം താല്പര്യപൂർവ്വം പരിപാലിക്കേണ്ട ഒരു കർത്തവ്യമാണ്. അച്ചടക്കം പാലിക്കാൻ തയ്യാറാകുന്ന ഒരാളിനു മാത്രമേ ഉന്നത വിജയവും വ്യക്തിത്വവികാസവും നേടാൻ കഴിയൂ. കൃത്യസമയം പാലിക്കുക, നിയമാവലികൾ പാലിക്കുക, അനുസരണം ശീലമാക്കുക, വൃത്തിയായി പരിസരവും മറ്റും സൂക്ഷിക്കുക, സത്യസന്ധത പാലിക്കുക തുടങ്ങിയവ അച്ചടക്കം പാലിക്കുന്നതിന്റെ ഭാഗമാണ്. വ്യക്തിത്വ വികസനത്തിന് വേണ്ട പരമപ്രധാനമായ ഘടകങ്ങളെ ഏഴായി തിരിക്കാം.

## 1. ധീരത :

ഒരു യഥാർത്ഥ ജേതാവിന് ധൈര്യം ആവശ്യമാണ്. മറ്റൊരാളെ അടിച്ചമർത്തി മുന്നിലെത്തുക ധീരതയുടെ ലക്ഷ്യമല്ല, മറിച്ച് ഭീരുത്വം ആണ്. "നിർഭയത്വമാണ് ആത്മീയതയുടെ ഒന്നാമത്തെ ആവശ്യം ഭീരുക്കൾക്ക് സദാചാരങ്ങൾ ഉണ്ടാവില്ല". ഗാന്ധിജി പറഞ്ഞ ഈ വാക്കുകൾ ഇവിടെ പ്രാധാന്യം അർഹിക്കുന്നു. ശത്രുവിന്റെ ശക്തിയെയും വലിപ്പത്തെയും കണക്കിലെടുത്ത് അവന്റെ കയ്യടക്കിന് മുന്നിൽ മുട്ടുമടക്കിയിരുന്നെങ്കിൽ ഇന്ത്യയ്ക്ക് സ്വാതന്ത്ര്യം കിട്ടില്ലായിരുന്നു. തോക്കിൻ കൂഴലിലൂടെ അല്ല സ്വാതന്ത്ര്യം എന്ന ഗാന്ധിജി തന്റെ ധീരമായ ഇടപെടലിലൂടെ തെളിയിച്ചു. പ്രശ്നങ്ങളെ ഭയപ്പെടുന്നവന് ഒന്നും ചെയ്യാൻ ആവില്ല. പ്രശ്നങ്ങളിൽ നിന്ന് ഓടി രക്ഷപ്പെടുന്നത് ഭീരുത്വവും ആണ്. അകാരണമായ പേടി മാനസികരോഗമാണ്. അത് പഠനത്തിൽ, ജോലിസ്ഥലത്ത് നിങ്ങളെ പുറകിലോട്ട് നയിക്കും.

## 2. പ്രോത്സാഹനം :

പ്രോത്സാഹിപ്പിക്കുക എന്നത് നിങ്ങളുടെ വ്യക്തിത്വം പ്രകടമാക്കാവുന്ന ഒരു ഗുണവിശേഷമാണ്. ഒരു വാക്ക്, പ്രവർത്തി, തലോടൽ ഇത് ഒരാളെ അത്ഭുതങ്ങൾ സൃഷ്ടിക്കാൻ പ്രേരിപ്പിക്കും. പഠനത്തിൽ പിന്നാക്കം നിൽക്കുന്ന കുട്ടികൾ ഒരിക്കലും ബുദ്ധി കുറഞ്ഞവരല്ല അത് ഉപയോഗിക്കുവാൻ പ്രോത്സാഹനമോ അവസരമോ ലഭിക്കാത്തവരാണ്. വിൽസ്റ്റൺ ചർച്ചിൽ കുട്ടിക്കാലത്ത് പഠനത്തിൽ പിൻ നിരക്കാരനായിരുന്നു. എന്നാൽ പറവകളെ പട്ടാളക്കാരായി അണിനിരത്തി



യുദ്ധതന്ത്രങ്ങൾ ആവിഷ്കരിക്കുന്നത് അതിസമൃദ്ധനായിരുന്നു. കൂട്ടിക്കാലത്ത് ഈ കഴിവുകൾ കണ്ടെത്തിയ അദ്ദേഹത്തിന്റെ പിതാവ് അവനെ സൈനിക സ്കൂളിൽ ചേർത്ത് പ്രോത്സാഹിപ്പിച്ചു. രണ്ടാം ലോകമഹായുദ്ധത്തിൽ സഖ്യ ശക്തികളെ വിജയത്തിലേക്ക് നയിച്ചത് വീര നായകനായ ചർച്ചിലാണ് അത്.

### 3. വിനയാന്വിതൻ ആവുക :

മഹത്വത്തിന്റെയും ശ്രേഷ്ഠതയുടെയും ഉരകല്ല് വിനയമാണ്. "എല്ലാ സൽഗുണങ്ങളുടെയും അമ്മ വിനയമാണ്" എന്നാണ് വോൾട്ടയർ വിശേഷിപ്പിച്ചത്. എല്ലാം അറിയാം എന്ന് നടിക്കുന്നവരും പഠിച്ച പൂർണ്ണമായി എന്ന് പറയുന്നവരും വിനയത്തിന്റെ കണിക ഇല്ലാത്തവരാണ്. ഇത്തരക്കാർ ചില അവസരങ്ങളിൽ അവസരവാദികളാകും. മഹാനാരായ വ്യക്തികൾ തങ്ങളുടെ തെറ്റുകൾ മറ്റുള്ളവരുടെ മുൻപാകെ തുറന്നുപറയാൻ തക്ക വിനയം ഉള്ളവരായിരുന്നു. പ്രശ്നങ്ങൾ പ്രശ്നമേയല്ല എന്ന് പറയുന്നവർ വിസ്ഫിയാണ്. ഓരോ പ്രശ്നങ്ങളെയും അത് അർഹിക്കുന്ന ഗൗരവത്തോടെ കാണാനും അംഗീകരിക്കാനും തയ്യാറാകുന്നവർ വിനയാന്വിതരാകും എന്ന കാര്യത്തിൽ തർക്കമില്ല.

### 4. സത്യസന്ധതയും അർപ്പണ മനോഭാവവും :

സത്യസന്ധതയും അർപ്പണ മനോഭാവവും ഒന്നായി കാണാനാണ് പുതിയ തലമുറയ്ക്ക് ഇഷ്ടം. നിങ്ങളെ ഏൽപ്പിച്ച ജോലി, അത് എന്ത് തന്നെ ആയാലും സത്യമായും അർപ്പണമനോഭാവത്തോടും ചെയ്താൽ മാത്രമേ പഠനത്തിലായാലും ജോലി സ്ഥലത്തായാലും ബഹുമതി ലഭിക്കൂ. വായുവിലൂടെ ദൂരദേശങ്ങളിലേക്ക് സന്ദേശം അയക്കാനുള്ള ഒരു സംവിധാനം കണ്ടുപിടിക്കാൻ ഇറ്റലിക്കാരൻ ആയ മാർക്കോണി തന്റെ പരീക്ഷണം 1894-ൽ ആരംഭിച്ചു. എന്നാൽ 1968-ൽ ആണ് ബ്രിട്ടനിൽ നിന്നും ആസ്ട്രേലിയയിലേക്ക് സന്ദേശം അയക്കാൻ കഴിഞ്ഞത്. അദ്ദേഹത്തിന്റെ അർപ്പണ മനോഭാവവും സമർപ്പണവും ഒന്ന് ചിന്തിക്കൂ. എല്ലാം നേരിടാനുള്ള രീതി നാം സ്വയം ആർജ്ജിക്കണം ഒരു സ്ഥാപനത്തിൽ ജോലി ചെയ്യുന്നവർ തമ്മിൽ സമർപ്പണം ഉണ്ടാകണം പരസ്പരം പഴിച്ചാരലും പാര വയ്പ്പും മൂലം താൽക്കാലികാശ്വാസം ലഭിക്കാം എന്നാൽ അത് നിലനിൽക്കില്ല. വർഷങ്ങളുടെ കഠിനാധ്വാനത്തിലും പ്രാരംഭദിശയിൽ സ്ഥാപനങ്ങളിൽ പ്രവർത്തിക്കുന്നവർക്ക് അർഹമായ സമ്മാനങ്ങളും ഉയർന്ന ശമ്പളവും ബെൻസ് കാറും നൽകുന്നതായി പത്രദൃശ്യമാധ്യമങ്ങളിൽ നമുക്ക് കാണാൻ കഴിയുന്നുണ്ട്. ബെൻസ് കാർ കൊടുത്തില്ലെങ്കിലും നീണ്ട വർഷങ്ങൾ സ്ഥാപനത്തിന്റെ അഭിവൃത്തിക്ക് വേണ്ടി പ്രവർത്തിച്ചവർക്കും ഉയർന്ന വേതനം നൽകാൻ ശ്രദ്ധിച്ചാൽ സത്യസന്ധതയും അർപ്പണ മനോഭാവവും കൂടും എന്ന കാര്യത്തിൽ സംശയമില്ല.

### 5. കഠിനാധ്വാനം :

അധ്വാനം എന്നത് ശാരീരികമായ പ്രക്രിയ മാത്രമല്ല മനസ്സും ശരീരവും കൂടി അതിൽ അർപ്പിക്കണം എങ്കിൽ മാത്രമേ കഠിനാധ്വാനം പൂർണ്ണമാകൂ. പരീക്ഷണങ്ങൾ ഒന്നിൽ നിന്നും നൂറായും ആയിരമായും പരാജയപ്പെടുന്ന കാഴ്ച കണ്ട തോമസ് ആൽവ എഡിസനോട് ഭാര്യ ഒരിക്കൽ പറഞ്ഞു "നിങ്ങൾക്ക് കുറച്ചുദിവസം ഇഷ്ടമുള്ള

സ്ഥലത്തേക്ക് മാറി താമസിച്ചു കൂടെ" എഡിസൺ തലയാട്ടി പിറ്റേന്ന് ജോലി സാധനങ്ങൾ എടുത്ത് അദ്ദേഹം പോയത് പരീക്ഷണശാലയിലേക്കാണ്. കഠിനാധ്വാനത്തിന്റെ മഹത്വം എഡിസൺ നമുക്ക് കാണിച്ചു തന്നു. ഇത്തരം കഠിനാധ്വാനികളാണ് ഇന്ന് നാം കാണുന്ന എല്ലാ സുഖസൗകര്യങ്ങളുടെയും പിന്നിൽ.

**6. കഴിവുകൾ കണ്ടെത്തുക :**

ഒരാളിൽ അന്തർലീനമായ കഴിവുകൾ പുറത്തെടുത്ത് പരിപോഷിപ്പിക്കുമ്പോൾ മാത്രമേ ഉയരങ്ങളിൽ എത്തിച്ചേരാൻ സാധിക്കൂ. കഴിവുകളെ കുറിച്ച് വ്യക്തമായി മനസ്സിലാക്കുക എന്നുള്ളതാണ് ആദ്യത്തേത്. അതിന്റെ പരിഹാരസാധ്യത എപ്രകാരമാണ് എന്ന് മനസ്സിലാക്കുമ്പോൾ കഴിവുകളെ ശരിയായി വിനിയോഗിക്കാൻ പഠിക്കും. അതിനുശേഷം തന്ത്രപരമായ ഇടപെടലുകൾ നടത്തി കഴിവുകളെ അംഗീകരിക്കണം. ഞാൻ എന്റെ കഴിവുകളെ അംഗീകരിക്കാതെ മറ്റൊരാൾ എങ്ങനെ അംഗീകരിക്കും? സ്വന്തം കഴിവുകൾ അംഗീകരിക്കാനും വളർത്തുവാനും സാധിക്കാത്തത് ആത്മവിശ്വാസകുറവാണ്. ആത്മവിശ്വാസം ആർജ്ജിച്ചു കരുത്തോടെ നീങ്ങിയാൽ കഴിവുകളെ അതിന്റേതായ അർത്ഥത്തിൽ ജീവിതത്തിൽ നടപ്പിലാക്കാൻ കഴിയും.

**7. കുറുക്കുവഴി തേടരുത് :**

ഒറ്റ കുതിപ്പിന് നേടാൻ കഴിയുന്നതല്ല ജീവിതവിജയവും വ്യക്തിത്വവികാസവും ഓരോ വിജയത്തിന്റെ കൂടെ സ്ഥിരോത്സാഹവും സമർപ്പണവും ഉണ്ട് എന്ന കാര്യം മറക്കരുത്. ചിട്ടയായ രീതിയിൽ പഠനവും ആണ് ആവശ്യം അല്ലാതെയുള്ള കുറുക്കുവഴികൾ ജീവിതവിജയത്തിന് ആഘാതം ആകും. പരീക്ഷയിൽ, ഇന്റർവ്യൂവിൽ, ജോലിയിൽ ചെറിയ ഇടർച്ചകൾ ഉണ്ടാകുമ്പോൾ കുറുക്കുവഴി തേടുന്നവൻ തകർച്ചയിലേക്ക് മാറ്റപ്പെടും. മറിച്ച്, സ്ഥിരോത്സാഹി വിജയം നേടും. നിങ്ങളുടെ വ്യക്തിത്വത്തെ വിലയിരുത്തുമ്പോൾ നേതൃഗുണങ്ങൾ കൂടി പരിഗണിച്ച് മുന്നോട്ട് പോവുക. ജീവിതവിജയം സുനിശ്ചിതം.



# ബാല്യകാലമേ തിരികെ വരുമോ

സർഗ ഭൗമ ഭക്തബി  
അശ്വിനപ്പൻ പ്രൊഫസർ, ഇന്ത്യയിലെ വിജ്ഞാനം

ബാല്യം

ഒരു മഴ നീർത്തുള്ളി പോലെ  
ഇടയ്ക്കിടെ എന്റെ മനസ്സിന്  
കുളിർമ നൽകിക്കൊണ്ടിരിക്കും  
എന്നിലെ ഞാൻ ഇന്നും അറിയാതെ  
തേടിക്കൊണ്ടിരിക്കുന്ന  
എന്റെ ബാല്യകാലം  
എവിടെയാണ്, എവിടെയാണ് ആ ബാല്യകാലം  
ഇനിയും തിരികെ വരുമോ ആ വസന്തകാലം  
കളിച്ചും, ചിരിച്ചും, കലഹിച്ചും നടന്നൊരു കാലം  
പൂക്കൾ പഠിച്ചും, ചാമ്പക്ക കഴിച്ചും നടന്നൊരു കാലം  
ഞാനും ചേച്ചിയും ബാലരമയ്ക്കായി കാത്തുനിന്ന  
കാലംമരച്ചില്ലുകളിൽ ചാടി നടക്കുന്ന നേരത്ത്  
ശാസനയോടെ അച്ഛൻ ഓടി അടുക്കുമ്പോൾ  
ഒരു കള്ളച്ചിരിയുമായി അമ്മയുടെ അടുത്ത് പാഞ്ഞകാലം  
ഇനിയൊരു ജന്മമുണ്ടോ എന്ന് അറിയില്ല  
എങ്കിലും ഒരാഗ്രഹം ബാക്കി നിൽക്കേ  
തിരിച്ചു കിട്ടണം എനിക്ക്  
ആ സ്വപ്ന കാലം, എന്റെ ബാല്യകാലം  
തിരികെ വരുമോ, നീ എന്നിലേക്ക് ഒരിക്കൽ കൂടി  
അതിനായി കാത്തുനിൽക്കുന്നു ഞാൻ  
അന്നും, ഇന്നും, ഇനി എന്നും ....



# അധിനിവേശത്തിനു മധ്യേ

ബേസിൽ അനിൽ എസ്.6 ഇ.ഇ.

മഴമേഘങ്ങൾ പണ്ടേ മറന്നൊരിടം  
ഉഷ്ണ പ്രവാഹങ്ങൾ പൊള്ളുന്ന തീനാനുകളായി നൃത്തം ചവിട്ടിയൊരിടം  
പെയ്തൊഴിയാതെ നിഷ്ഠിത മേഘങ്ങളൊക്കെയും  
ആർദ്ര നിരൂപവയായി മാറിയൊരിടം  
തപം ജ്വലിച്ചു ജപിച്ചു നിഷ്ഠിത  
അമ്മ മനസ്സുകൾ തെരുവിൽ വിലാപമായി മാറിയൊരിടം

ഇവിടെ ഓരോ കണ്ണിലും ഒളിപ്പിക്കാനാവാതെ  
ഉരുക്കി നിറയും കണ്ണുനിർസഹോടനങ്ങൾ  
ഒരിറ്റും താഴേക്കു മണ്ണിൽ വിണ്ണു മറയാതെ  
തി ഗോളങ്ങളായി വട്ടമിട്ട് പറക്കവേ  
കറുത്തിരുണ്ട കൺതടങ്ങൾ ഭാരത്താൽ  
കുമ്പി അടഞ്ഞു കാഴ്ചകൾ മറയ്ക്കുന്നു

ഇവിടെ കേൾക്കുവാനാകുന്നില്ല ഒരു താളവും  
താരാട്ടിൻ ഈണവും  
ഓമൽ പാട്ടിൻ പൊട്ടിയ ശീലുകളും  
വളപ്പൊട്ടുകൾ പോലെ ബാലുക്കളും  
ഇവിടെ മൺകുനയ്ക്കുകളിൽ അമർന്നുപോകവേ  
ഹൃദയങ്ങളിൽ മറഞ്ഞു പോകും  
ആദ്യ കരച്ചിലുകളും  
മണ്ണിൽ ആഴ്ന്നു പോകുന്ന കുഞ്ഞിളം കൈകളും  
ആരോ തെറ്റി വരച്ച രേഖാചിത്രങ്ങൾ....

ഇവിടെ ഇനി ഉണരുമോ എന്തെങ്കിലും പുതുതാരാട്ടിൻ ഈണം....  
ഈ മണ്ണിൻ ഹൃദയ ധമനികളിൽ  
രക്തം ചുടു നിറയ്ക്കും ജീവനേകുവാൻ....!!



# विस्तार

अनंत रचनाओं की उड़ान



# में इंजीनियर क्यों बनना चाहती हूँ

दिअ एलिज़ाबेथ, एस-4 सीएस

हर एक व्यक्ति के जीवन में एक ऐसा लक्ष्य होता है जो उसकी जीवन का उद्देश्य को पूरा करता है। मेरा भी एक ऐसा लक्ष्य है, इंजीनियर बनना।

इंजीनियर क्यों बनना है? ये सवाल कई और लोगोंके तरह में भी अपने आप से पुछा था। इंजीनियर वो होता है जो कल के लिए आज को बदलता है। हर शन हमारे ये दुनिया बदल रहे है। बदलती हुयी तकनीकियों के साथ-साथ चलने वाले होता है इंजीनियर।

एक इंजीनियर समाज को उन्नति के और ले जाते है। समाज के मानसिक और सामाजिक बढ़ाव में हाथ मिलती है। इंजीनियर नयी तकनीक को समाज के समक्ष प्रस्तुत करते है और सामाजिक विकास में मदद करते है।

एक इंजीनियर हर एक क्षेत्र में अपनी कामयाबी दिखा सकते है। ए पि जे अब्दुल कलाम जी एक इंजीनियर थे। उन्होंने अपनी पूरा जीवन देश की विकास के लिए समर्पण किया। अपनी सोच और परिश्रम के दोशन देश को आसमान थक ले गया। में भी अपने देश के लिए एक इंजीनियर होकर सेवा करनी चाहती हूँ। एक इंजीनियर होते हूँ दूसरों को उनकी विकास में मदद करना चाहती हूँ। एक इंजीनियर बनकर अपने देश और लोगों को बदलती दुनिया को सतर- सुधार रखना चाहती हूँ। हमारी देश के वायविधियों की एकता को एक नया आधाम देना चाहती हूँ।

इंजीनियर एक नौकरी के अतिरिक्त राष्ट्रनिर्माण का एक राह संचना अनिवार्य हो गए है। में एक इंजीनियर बनकर आग के क्रांतिकारी बदलाव में भाग लेना चाहती हूँ। मेरी जीवन का उद्देश्य थक का सफर पूरी करनी चाहती हूँ।



# हम सब एक है

आर्या रमेश, एस2सीएस



यह बहुत समय पुरानी कहानी है। ये वक्त तब की है जब लोगों के बीच बहुत स्याद्धा भेदभाव होता था। राजा, ब्राह्मण, किसान और सादा आदमी रहते थे। उन दिनों में बहुत ही भिन्न तरह के आदमी के बीच चगड़ा होता था। यह कहानी मासूम और खूबसूरत निया की है।

निया एक बीस साल की लड़की थी। बचपन में उसने केवल खून-खराबा और लड़ाई ही देखी थी। वो एक गरीब किसान की बेटि थी। उसकी माँ की मृत्यु उसके बचपन में ही हो गई थी। उसके पिता ने बचपन से ही उसकी देखभाल की थी। निया को भेदभाव से सख्त नफरत थी। उनकी राय में सभी मनुष्य समान हैं और जाति एवं पंथ के आधार पर भेदभाव करना व्यर्थ है। वह एक ऐसे दिन का सपना देखती थी जब सभी मनुष्य एक बड़े खुशहाल परिवार की तरह समान रूप से रहेंगे।

एक दिन निया बेहोश होकर एक नदी के पास गिर गयी। युवा राजकुमार धनु शिकार से थककर नदी के किनारे आया। धनु ने निया को देखा और मन ही मन सोचा: "वाह, कितनी सुन्दर है! यह देवी कौन है?" धनु ने निया को उठाया और उसे जगाने के लिए उसके चेहरे पर पानी छिड़का। निया जल्दी से उठी और युवा राजकुमार को नमस्कार किया। उस दिन निया और धनु एक दूसरे से काफी देर तक बातें करते रहे। धनु को इस तरह निया से प्यार हो गया था। कृतज्ञता के रूप में, निया धनु को अपने घर ले गई और उसे भोजन और पानी दिया। अगले दिन धनु महल में वापस जाना चाहता था। विदा लेते समय उसने निया से कहा, "मैं तुम्हारे लिए वापस आऊंगा, क्या तुम मेरी युवा राजकुमारी बनना चाहोगी?" निया चौंक गई और बोली: "मुझे भी तुम पसंद हो, धनु। हम काफी हद तक एक जैसे हैं। तुमने मेरी सामाजिक स्थिति के आधार पर मेरे साथ कोई भेदभाव नहीं किया।" यह महसूस करते हुए कि वे दोनों एक दूसरे से प्यार करते हैं, निया और धनु काफी खुश थे। धनु महल में लौट आया। वापस आकर, वह सीधे अपने पिता, राजा के पास गया और उसे निया और उसके प्रति अपने प्यार के बारे में सब कुछ बताया। राजा क्रोधित हो गया और उससे कहा: "यह कैसे संभव है, एक गरीब किसान की बेटि के साथ! जब तक मैं जीवित हूँ, ऐसा नहीं होगा" इससे धनु भी क्रोधित हो गया। उसने उत्तर दिया: "मैं निया के अलावा किसी और से विवाह नहीं करूँगा" और कमरे से बाहर चला गया। क्रोधित राजा ने निया को महल में लाने का आदेश दिया और उस पर एक क्षत्रिय व्यक्ति को बहकाने का प्रयास करने का आरोप लगाया, जबकि वह एक निम्न जाति से थी। निया और धनु के बीच प्रेम की खबर जंगल में आग की तरह फैल गई। इससे राजा और भी क्रोधित हो गया, उसने आदेश दिया कि निया को बाँध दिया जाए और जनता के सामने उसका सिर काट दिया जाए। जब उसे लोगों के सामने सिर कलम करने के लिए लाया गया, तो निया ने जोर से कहा: "हम सभी इंसान हैं। मेरे और युवा राजकुमार के बीच का प्यार सच्चा है। सिर्फ इसलिए कि मैं एक निचली जाति से हूँ, मुझे किसी से प्यार करने के लिए मार दिया जाएगा। एक दिन, तुम सभी को एहसास होगा कि जाति और पंथ के आधार पर भेदभाव व्यर्थ है। तब तुम अपना सबक सीखोगे"। सैनिकों ने उसका सिर काट दिया। बेचारे धनु को सिर काटने की बात काफ़ी देर से पता चली और वह अपनी प्रेमिका का सिर कटा शव देखने के लिए शहर के चौराहे पर भागा। अपने गुस्से और दुख में, धनु ने वहीं आत्महत्या कर ली। अपने बेटे के मृत शरीर को देखकर राजा को एहसास हुआ कि धनु और निया के बीच का प्यार वाकई सच्चा था। इस घटना ने राजा को बदल दिया और उसने जाति और धर्म के आधार पर सभी तरह के भेदभाव को खत्म कर दिया।

नैतिक: हम सभी एक जैसे हैं। कभी भी एक-दूसरे के साथ भेदभाव न करें।





# STUDENT ACTIVITY AND CLUB Reports



# SENATE

## Aarambh 2.0

The Senate kicked off the year with Aarambh 2.0 on November 24, 2023, featuring student talent, dance, and song performances. Special guests included alumna Nayana Josan and performer Nikhil Anil Kumar.



## Christmas Celebration

On December 22, 2023, the Senate hosted a unique Christmas celebration with games, a food festival, and a crib decoration competition. The Computer Science department won the contest.

## CR'24 Logo Launch

The CR'24 logo was launched on February 20, 2024, by music icon Jassie Gift, who also performed live. The event included student performances and showcased CR'24 t-shirts. CR'24 was later cancelled due to the Lok Sabha Elections.

## College Day 2023-24

The 22nd Annual College Day of MBCET was held on April 16, 2024. The chief guest of the day was Ms. Aparna Rajeev, playback singer. Students were honored with various awards for academic and extracurricular

achievements. The celebration featured music, dance, and other performances by over 100 students, and concluded with a guest performance by DJ Ribin Richard.

# IEEE SB MBCET

## Annual General Meeting 2024

The annual General Meeting of IEEE SB MBCET was held at Senatus Hall on February 21, 2024. It began with a welcome address by Sophy Maria Joy, followed by an inaugural address by Principal Dr. Abraham T Mathew. Members took the IEEE Code of Conduct oath, led by Vice-Chair Mr. Adlu Rahman. Former Secretary Ms. Sruthi N A and former Treasurer Mr. Adlu Rahman presented the annual and financial reports, respectively. Certificates and Best Volunteer awards were given to outgoing Execom members. Dr. Lani Rachel Mathew introduced the new Execom members, followed by addresses from Chair Ms. Savya Unnikrishnan and Secretary Ms. Blessy Smitha Das, who presented the annual plan for 2024-25. The meeting concluded with a vote of thanks from Abhishek S S.

## The Ultimate Sleep Quiz

A sleep quiz was hosted as part of World Sleep Day by IEEE EMBS SBC MBCET in 2 phases on 15th and 21st March, 2024. 12 IEEE Members and 100 Non IEEE Members participated. The first round was conducted online through Google Form and the second phase was conducted offline at Faraday Hall, MBCET. Seven winners were selected as finalists from phase one. Noel Giji Madukkamoottil from S2 CS won in the second phase.

## Wordle Quest: Decode- Decrypt-Conquer

Wordle Quest was a three-day event on deciphering Wordle challenges conducted by IEEE CS MBCET. The event was held on March 20,21 and 22 A total of 9 IEEE members and 99 Non IEEE members participated. It was conducted online in Google Meet platform. 3 winners were selected for each day from 20th to 22nd March.

## Talk Session On Higher Studies With Career Guidance

IEEE PES SBC MBCET in collaboration with TIME - (Triumphant Institute of Management Education) conducted an expert talk on the topic, "HIGHER STUDIES WITH CAREER GUIDANCE". Mr Ajay Nayar, Academic head of TIME, conducted the event. The session was conducted on March 21st 2024 and was open to all students. 31 students attended the Session.



## Empowering E-Mobility (Quiz)

The PES Day celebration at MBCET on April 24 featured a compelling Power and Energy Systems quiz on "Empowering E-Mobility," attracting 5 IEEE members and 37 non-members. This event aimed to assess

and expand participants' knowledge of EV technologies while fostering curiosity and collaboration. Additionally, an expert talk session provided invaluable insights into electric vehicles, making the celebration a successful and memorable event that highlighted the significance of e-mobility in Electrical Engineering. The winners of this competition were:

- Nandana Anand P (S4CS) 1st position
- Roshan George Koshi (S4 CS) 2nd position
- Gowri R G (S2 ME) 3rd position

## Boot Camp 10.0 on "Allied Technologies for UAS/Drone"

The Boot Camp 10.0 workshop, held from March 5th to 9th, 2024, and hosted by NIELIT with support from IEEE Kerala Section, IEEE Robotics & Automation Society Kerala Chapter, and Kerala Knowledge Economy Mission, under the Ministry of Electronics and Information Technology, Govt. of India attracted 92 participants. The workshop featured sessions on drone technology, AI applications, and regulatory frameworks, offering a comprehensive exploration of Unmanned Aircraft Systems (UAS). The event showcased exceptional participant engagement and proficiency, serving as an exemplary platform for knowledge exchange and professional growth.



# CATALYST MBCET IEDC

## **Inceptra**

Innovation Workshop – 14 Jan 2023

Catalyst Mar Baselios IEDC's workshop, led by Mr. Ajay Basil Varghese, focused on idea generation and product market fit, emphasizing concise elevator pitches. Students practiced delivering them under time constraints.



## **Entrepreneurship Workshop – 15 Jan 2023**

Prof. Sarju S's workshop guided participants in launching startups, solving problems with existing solutions, and understanding why some startups succeed.

## **Inspire Talk Series: Progress Mindset – 15 Jan 2023**

Mr. Gopikrishnan, CEO of BuildNext, highlighted the significance of a progress mindset and perseverance in entrepreneurship, encouraging students to stay consistent.

## **Inspire Talk Series: Incubation Opportunities – 15 Jan 2023**

Mr. Vishal B Kadam from KSUM shared insights on how IEDC incubation centers support students and faculty in turning ideas into startups through hard work and learning.

## **Women Entrepreneurship Workshop – 10 Feb 2023**

Catalyst IEDC and eNIX MBCET hosted “We have a dream,” a workshop led by Ms. Akshaya Sita Rajesh, focusing on entrepreneurial opportunities for women. 20 students participated, learning about the impact of women entrepreneurs in society.

## **Catalyst Evening Café – 27 March 2023**

Catalyst held an informal event where a student executive shared domain insights with peers. The session lasted 30 minutes post-college hours, fostering knowledge sharing in a relaxed setting.

## **Problem Solving Quest – 3 to 11 July 2023**

Catalyst IEDC's 9-day event “CHALLENGE X” featured daily challenges with prizes. Participants tackled quirky tasks, making it a key annual event.



## **IEDC Induction - 11 to 15 Sep 2023**

First-year students at Mar Baselios College learned about Catalyst IEDC during a session led by Asst. Prof. Jijo Jose, gaining insights into its operations and opportunities.



## **Smart India Hackathon Prelims - 27 Sep 2023**

Mar Baselios College hosted the SIH Prelims with 186 participants and 31 teams. Mentors guided students, and 15 teams were selected for the national level.



## **Technology Bootcamp 25 Nov 2023**

Catalyst IEDC hosted a boot camp for students applying for IEDC executive roles, featuring challenges and assessments to select emerging leaders.

## **Annual General Body Meeting - 5 Jan 2024**

Catalyst IEDC held its AGM, presenting the annual report, announcing the new

executive committee, and unveiling the Catalyst IEDC website. The meeting concluded with gratitude expressed by the new committee.

## **YIP 6.0 Registration Session - 20 Jan 2024**

A workshop on YIP 6.0 registration guided students through the process. Mr. Abhilash George, a previous winner, shared his experiences and advice.

## **Karma Hunt - 16 Feb 2024**

Catalyst IEDC and MuLearn organized Karma Hunt, where first-year students completed tasks to earn karma points, fostering skill development over a month.

## **Design Talk Session - 22 to 23 Feb 2024**

Catalyst IEDC hosted a Figma design session with Joshin Samuel, covering poster design, layout, and advanced techniques, enhancing participants' design skills.

## **Design Thinking Workshop 8 Mar 2024**

Mr. Arun J S led a workshop on Design Thinking and Critical Thinking for INCEPTRA, emphasizing creative problem-solving through interactive activities.



## **Prototype Design Workshop - 9 Mar 2024**

Mr. Arun J S conducted a workshop on prototype design, guiding participants through the product development process with hands-on exercises and real-world examples.

## **Product Market Fit Session - 8 Mar 2024**

Mr. Joy Sebastian from Techgentsia discussed aligning products with market needs, providing strategies for achieving successful product-market fit.

## **Entrepreneurship Skills Session - 9 Mar 2024**

Ms. Archana Gopinath led a session on developing entrepreneurship skills and mindset, emphasizing effective communication and personal growth.

## **Business Model Canvas Workshop - 9 Mar 2024**

Mr. Vishnu P Kumar explained the Business Model Canvas, helping participants understand key business components and how to craft effective models.

## **Drone Technology Bootcamp - 5 to 9 Mar 2024**

Mar Baselios College and partners held a 5-day bootcamp on drone technology, offering practical knowledge and hands-on experience in the field.

## **Catalyst Evening Café 2.0 - 27 Mar 2024**

Catalyst IEDC's Café 2.0 featured Adlu Rahman discussing productivity enhancement through the 80/20 principle, with engaging discussions on its applications.

## **MuAwards 2023 & 1 Million Leaderboard**

Mar Baselios College won Top Campus and Team Codeify secured Top Learning Circle in Mulearn's awards, highlighting outstanding student achievements.

Mar Baselios College of Engineering reached 1 million karma points on Mulearn's leaderboard, showcasing exceptional student engagement and excellence.

## **ISTE MBCET**

### **Student Chapter**

ISTE MBCET student chapter had a remarkable journey in the academic year 2023-24. The journey started with the executive committee selection from September 7th to October 11th. Nandana T S was selected as the Chairperson and Kiran Biju as vice chairperson. They were backed by a strong team of 17 others which headed various other positions. Heaba Sara Alexander was selected as the ISTE SHE head.

The dynamic EXECOM kickstarted their activities through MINDSCAPE, an online quiz competition.

On November 18th and 19th, ISTE MBCET student chapter conducted Novatos, an event exclusively for freshers, with a theme based on the Netflix series Stranger Things. The event featured workshops on technical upgrading as well as creative activities. Exciting events and activities, including pictiary, horror story act, quizzes and a prop show constituted the first day. On the second day, there was a treasure hunt in addition to a technical session led by a resource person. Under the leadership of Dr Nidhi M B, Ms Asha S and Ms Soumya AV, selected students from each class were taken to University College on November 2nd for Keraleeyam.



International Men's Day was celebrated by ISTE MBCET by conducting 3 events. Silent Architect was an event that provided a platform for girls and ladies to pay tribute to the inspiring men behind their success. Meanwhile, the Joke Juggler event showcased the humorous side of the celebration, with boys unleashing their creativity by crafting fun memes. Lastly, the Letter from a Man event offered a space for men and boys to express themselves through articles or letters.

'Once upon a time' and a poster designing competition was the attractive programmes which were conducted as part of Children's Day.

A prediction contest was conducted as part of Cricket World Cup 2023 and prizes were distributed to the winners.

A civil service orientation class by Mr A U Prasad, Academic Head of Top Notch IAS, received a wide acceptance.

On December 1, this aids day, SHE ISTE MBCET, in association with IMA Nemom and WIMA, organized an awareness talk session called AVABODH on the topic 'Shattering the Stigma: Understanding HIV and AIDS'.

Summer Quest, an online quiz competition was conducted as part of Mountain Day.

As part of International Women's Day Celebrations, ISTE SHE in association with WSU, MBCET, IEEE WIE and IIC organized a resourceful talk session by Ms. Roopa George, Executive Director, OEN.

Another quiz competition called Empow-Her was hosted as part of Women's Day.

As part of World Television Day on November 21, Seize the lens, an online videography competition was conducted by ISTE MBCET for all students.

Mr Rohan U S of EED who was the chairperson during the academic year 22-23 bagged best student award during ISTE annual student convention conducted at TKM College

## Faculty Chapter

### Environment Day Observation 2024

On 5 June 2024, Environment Cell, MBCET with ISTE MBCET organized the celebration of Environment Day with an inspiring and impactful sapling planting event. This event embodied this year's theme, "Restore Our Earth," by focusing on reforestation and environmental restoration. Fr. John Varghese, Director, Dr. S. Viswanatha Rao, Principal, Dr. Abraham T. Mathew, Former Principal, Fr. Thomas Mukalumpurathu, Finance Officer, Deans, HoDs, all faculty and staff members participated in the event. Fr. John Varghese, Director conveyed the importance of maintaining the habitat. Dr. Nidhi M. B., Prof MED and Environment Cell Coordinator shared the Environment Day 2024 theme: Land Restoration, Desertification and Drought Resilience. Dr. Soumya, Coordinator, the Waste Management Cell and Ms. Asha, Chairperson ISTE, Mr. Melvin, Advisor ISTE students chapter and Mr. Baalamurali and Ms. Priya, Environment Cell Members helped coordinate the event.

### Webinar On Theory of Jet Propulsion

The ISTE Faculty Chapter of Mar Baselios College of Engineering and Technology (MBCET) and Universiti Teknologi MARA (UiTM), Malaysia organized a webinar on the "Theory of Jet Propulsion," on 23 May 2024. The webinar covered topics on Thrust Equation, Propulsive Efficiency, Ideal Cycle, Power Output, and Thermal Efficiency, as a part of an activity under the existing Memorandum of Understanding (MoU) between MBCET and UiTM. The distinguished speaker for the webinar was Dr. Rupesh S., Assistant Professor in the Department of Mechanical Engineering at PES



College of Engineering, Mandya, Karnataka. The MoU Managers who have been crucial in fostering this collaboration are Dr. David N. V., Associate Professor from UiTM, Malaysia, and Dr. Nidhi M. B. from MBCET, Trivandrum. The webinar was jointly organized by Dr. Ahmad Hussein Abdul Hamid, Senior Lecturer from UiTM, along with Ms. Asha S., Associate Professor, Dept of CSE and Ms. Jean Molly Simon, Assistant Professor, Dept of CE, being Faculty Coordinators of ISTE MBCET Chapter. The webinar was jointly organized by Dr. Ahmad Hussein Abdul Hamid, Senior Lecturer from UiTM, along with Ms. Asha S., Associate Professor, Dept of CSE and Ms. Jean Molly Simon, Assistant Professor, Dept of CE, being Faculty Coordinators of ISTE MBCET Chapter.

### **FDP Conducted**

A Six Day Hybrid Workshop on 'Frontiers of Mechanical Engineering: Harnessing the power of AI, ML and IOT' jointly organized by Department of Mechanical Engineering and ISTE MBCET Chapter, in association with ISTE Kerala Section and Universiti Teknologi MARA (UiTM) Malaysia was conducted between 06 to 11 May 2024. Topics include AI, Mechatronics and automation, data science and modelling, ML, IoT and Python. Participants visited IBS in Technopark on the 3rd day of the Workshop as part of the industrial visit. Dr. Nidhi M. B., Professor and Ms. Ruby Maria Syriac, Assistant Professor, Department of Mechanical Engineering were the coordinators of the FDP

### **Talk Session**

The ISTE MBCET Faculty Chapter organized a session titled "Art to release, relax, and recharge " for the faculty members of MBCET

on 01st April 2024. Ms. Nincy Mariam Mondly, a Psychologist from Pallium India, served as the guest speaker. The session offered valuable insights into relaxation and stress reduction techniques through art and was well-received by around 40 attendees. The event was coordinated by Ms. Amritha B.J., Assistant Professor, Department of ECE, and Ms. Poorna B.R., Assistant Professor, Department of CSE

## **IET MBCET**

### **IGNIET**

IGNIET, held on October 14th, 2023, introduced college freshmen with ice-breaking activities and games, involving over 150 participants. Organized by the IET Working Committee, the event aimed to foster connections and a welcoming atmosphere.

### **Ice-Breaking Session**

Participants introduced themselves through a skit, creating a relaxed atmosphere. The session was followed by games that promoted interaction and teamwork among the students.

### **Talk Session**

Former IET MBCET chairpersons Vaibhav Krishna and Sanna Pramod conducted a talk, sharing insights and experiences about the institution.

### **IET Young Professional Meet**

On October 14th, 2023, IET MBCET students attended the Young Professional Meet at St. Xavier's College, Nagercoil, discussing future plans and networking with peers and IET officials.



## **Present Around The World (PATW)**

The PATW event, held on October 27th, 2023, showcased students' presentation skills. Anand Pillai and Abhilash George emerged as winners from the 12 participants.

## **INSIET**

INSIET, conducted online on October 30th, 2023, introduced students to IET's global recognition and professional opportunities. Speakers highlighted the institution's role in advancing engineering and technology.

## **IET President's Address & IET India Award Night**

On November 6th, 2023, in Bangalore, IET members from MBCET attended the IET President's Address and India Award Night, celebrating achievements in engineering and technology.

## **Children's Day Poster Design Competition**

Held online on November 16th, 2023, this competition invited students to express creativity on the theme "Sweet Indulgence: Chocolate, a Good Measure?". Shwetha Krishnan Suresh won the first prize.

## **REC THE TRICK**

A logical quiz competition, REC THE TRICK, was held on December 8th, 2023, at MBCET, enhancing students' and faculty's logical reasoning and aptitude skills.

## **Fine Tune Talks #1**

On December 8th, 2023, Fine Tune Talks featured Bobin Saji George discussing "Power of Engineering Simulations: A Cinematic Perspective," attended by over 80 participants.

## **Fraeunpower:**

### **Photography Competition**

On March 8th, 2024, IET MBCET hosted Fraeunpower, a photography competition celebrating Women's Day. Participants captured inspiring moments of women's strength and resilience.

### **Report on "Pi Quest" Quiz Competition**

On March 14th, 2024, MBCET celebrated World Pi Day with the 'Pi Quest' quiz, engaging nearly 100 participants in mathematical challenges and knowledge-sharing.

### **Fine Tune Talks #2**

On March 16th, 2024, IET MBCET hosted a session on electric vehicles by Aswin RB, featuring practical insights and a demonstration of a retrofitted electric auto.

### **Talk Session on India's Lunar Mission**

On March 25th, 2024, IET MBCET participated in a talk on India's lunar missions, focusing on the advancements from Chandrayaan 2 to Chandrayaan 3, held by Dr. S Geetha.

### **Talk Session on Predictive Science**

IET MBCET conducted a talk on Predictive Science on April 8th, 2024, led by Dr. Lalin L. Laudis, highlighting advancements and applications in predictive technologies.

### **Old Age Home Visit**

On April 13th, 2024, IET MBCET visited Caramel Old Age Home, celebrating Vishu.





with music, meals, and meaningful interactions, spreading joy and positivity among residents.



## PHYSICAL EDUCATION

At MBCET, we encourage physical activities and sports, offering scholarships to meritorious athletes. Our Department of Physical Education organizes intramural and intercollegiate tournaments, achieving notable success in university competitions. This year, 15 students joined university teams, highlighting our commitment to health, sports, and excellence.

## RAGAM, THE MUSIC CLUB OF MBCET

### Freshers day 2024

Freshers' Day for the first year students was conducted on 13 October 2023 in the OAT. Screening was performed by the Music Club for shortlisting the candidates for the programme.

### Christmas Celebration 2023

Ragam MBCET in association with MBCET Senate conducted a Christmas programme in the college campus on 22 December 2023.

### College day 2024

The 22nd College Day celebrations was held on 16 April 2024. The student members of Ragam got an excellent opportunity to display their talents in music on these days.

## AKSHARAKOOTAM THE CREATIVE WRITERS' CLUB

### Agatha Christie Birthday Celebration Rewrite Competition

Aksharakootam hosted a story-ending competition for "The Murder on the Orient Express." EV Jishnu (S1 CS2) won, receiving "The Murder on the Links."

### KTU Fest Selection: Art and Literary Events

Aksharakootam organized poetry, essays, debates, cartooning, and poster-making contests in multiple languages for KTU Fest in February 2024.

### Imaginarium: Storytelling and Storycrafting Talk

Aksharakootam and Tensorz held a talk by Rajit Karunakaran on March 20, 2024, on storytelling and publishing. He received a digital portrait from Merin Sarah Thomas (S6 EE).

### Constello: Month-Long Event Series

Aksharakootam and Tensorz organized Constello with four sub-events:

1. Orion's Forge: Scavenger hunt and crafting contest.
2. Canis Majors' Capture: Campus photography contest.



- 3. Lyra's Lyrics: Online short story writing.
- 4. Cassiopeia's Cinema: Campus-based short film competition.

## TENSORZ CLUB

### Talk Session - "Changing Faces, Changing Times"

Tensorz Club hosted a motivational talk on October 1, 2023, featuring Mr. Khader Hassan, a prominent film producer and director. Approximately 75 students attended, benefiting from Mr. Hassan's insights on communication, empathy, and career growth.

### KTU Fest Selection: Art and Literary Events

Tensorz co-hosted the literary and art events selection for the KTU Fest, along with Aksharakootam.

### Imaginarium: Storytelling and Storycrafting

#### Talk Session

On March 20, 2024, Imaginarium, co-hosted by Aksharakootam and Tensorz, featured Mr. Rajit Karunakaran from Rajadhani Business School. Attendees gained insights into storytelling and publishing, engaging in interactive discussions.

### Constello: Month-Long Event Series

From late March to early May 2024

Constello by Aksharakootam and Tensorz included:

- Orion's Forge: A campus scavenger hunt and crafting contest.
- Canis Major's Capture: A campus photography competition.
- Lyra's Lyrics: An online short story writing contest.

- Cassiopeia's Cinema: A short film competition using campus locations.

### Define Hackathon - HASH'24 On April 20-21, 2024

The CSE Department's flagship Define Hackathon, HASH'24, attracted 136 participants from across Kerala. Tensorz co-organized the event with ACE MBCET. The event focused on software, hardware, and design solutions, supported by mentors and judged by industry experts.

## ORATORY CLUB

### MUN Participations:

#### CET MUN (June 2-4)

29 members from our Public Speaking Club participated in CET MUN across various committees like AIPPM, UNSC, and UNHRC. Our students won three prizes, marking our first major achievement and gaining valuable experience and connections.

#### MACE MUN (December 1-3)

24 students attended MACE MUN, where they excelled, winning seven prizes. The event also featured a memorable social night, adding to the enjoyment and camaraderie.

#### TKM MUN (March 22-24)

23 members took part in TKM MUN, securing eight prizes across different committees. This event was especially memorable for the significant knowledge gained and connections made.



# GDSC MBCET

## Core Team Recruitment

Stages: Registration & Application, One-on-One Interviews, and Group Task.

Outcome: Successful recruitment of passionate and skilled individuals for organizing, tech, social, and design teams through a meticulous selection process.

## The Solution Challenge

Objective: Develop solutions for real-world problems using Google technologies.

Achievements: Over fifty participants from MBCET, with two project submissions reaching the global level.

## Introduction to LinkedIn

Event Leader: Sanna Pramod, former GDSC social media head and Associate Software Intern at H&R Block India.

Focus: Enhancing professional networking skills on LinkedIn.

Participation: Over 70 attendees, including students from outside Kerala.

## PromptCraft - A Prompt Engineering Session

Session Leader: Ben George Netto, former operations lead at GDSC MBCET, now at Signify Bangalore.

Topic: Designing effective prompts for AI systems.

Attendance: Around 100 participants, including students from other colleges.

## Lounge Night

Date: January 1, 2024.

Activity: Tech-themed trivia night and a movie

screening on Discord.

Outcome: A blend of knowledge-sharing and entertainment, fostering community and excitement among GDSC members.

## FRAMES - MBCET Photography Club

### Chit Chat with Mentalist

#### Arjun

in association with T4Talent, hosted a talk session with Mentalist Arjun. Arjun shared his experiences in mentalism, an art blending psychology, deception, and magic, and explored the secrets behind mind reading and uncanny predictions.

## JESUS YOUTH

MBCET Jesus Youth hosts weekly prayer groups, rosary sessions, intercession, Holy Mass, and adoration. They engage in outreach, pro-life activities, music performances, and organize events like Farewell, Freshers' Day, Christmas celebrations, All Saints' Day, Valentine's Week prayers, and more. Their music band and media team actively share activities on Instagram and YouTube. Students participate in national and local Jesus Youth programs, including visits to old age homes, orphanages, churches, and family gatherings. They also attended the JAAGO conference in Bangalore, emphasizing spiritual growth and community involvement.



# CSI SB MBCET

## **Value of IEEE Xplore in Research, Placement, and Career Development**

The Computer Science & Engineering Department and CSI SB MBCET held a talk on "Value of IEEE Xplore & EBSCO eBooks in Research, Placement & Career Development" on 5th October 2023. Nanda Lal T.S., Senior Training Manager, South India EBSCO, led the session. Faculty Coordinator: Ms. Deepthi K Moorthy.

## **Network Security Webinar On 7th October 2023**

The department, in collaboration with CSI SB and NetSec, organized a Network Security webinar for faculty and third-year B.Tech students, conducted by Dr. B J Bejoy from CHRIST University. Faculty Coordinators: Ms. Deepthi K Moorthy and Ms. Vishagini V.

## **Cyber Security Session**

Red Team Hacker Academy conducted a Cyber Security session on 14th November 2023 for S5 CSE students, covering cyber threats, intrusions, and fraud prevention. Faculty Coordinators: Ms. Deepthi K Moorthy, Mr. Anand Haridas, and Ms. Krishna L.

## **Workshop on Object-Oriented Design (Java)**

A hands-on workshop on Object-Oriented Design (Java) was held on 25th November 2023 for third-semester B.Tech CSE students. Ms. Anjali C, Senior Software Engineer at Ospyn Technologies, led the workshop. Faculty Coordinators: Ms. Lino Zachariah and Ms. Gauri Shree V. K.

## **Online Workshop on MongoDB On 14 January 2024**

An online workshop on "Getting Started with MongoDB" was conducted for S5 CSE students by Mr. Kevin Jacob, Product Engineer at UST. Faculty Coordinators: Ms. Poorna B.R. and Mr. Ramjith R.P.

## **Sessions on FastAPI and GraphQL From 17 to 19 January 2024**

An online session on "Introduction to FastAPI and GraphQL" was held, conducted by Mr. Jothir Adithyan, Product Engineer at UST. Faculty Coordinator: Dr. Neena Raj N R.

## **FDP on Generative AI with Python : A six-day FDP on "Generative AI with Hands-on Training Using Python"**

It was organized from 29th January to 3rd February 2024, covering topics like Deep Learning and GAN. Faculty Coordinators: Ms. Vishagini V and Ms. Lino Zachariah.

## **FDP on Digital Forensics A five-day FDP on "Digital Forensics"**

It was conducted from 19th to 23rd February 2024, covering topics such as Cyber Forensics and Malware Analysis. Faculty Coordinators: Ms. Prathibha S. Nair and Ms. Vijitha Robinson.



## **Coding Competition - Code Predict On 2 March 2024**

A coding competition, CODE-PREDICT, was held for first-year students to enhance coding skills. Faculty Coordinator: Ms. Deepthi K Moorthy.

## **Web Craft Challenge**

An online web page design competition, Web Craft Challenge, was organized to foster creativity in web design.

## **Project Expo On 22 April 2024**

A Project Expo showcased final-year projects. The best projects were awarded. Faculty Coordinators: Ms. Deepthi K Moorthy and Ms. Vishagini V.

## **Talk on Higher Education Prospects in IITs**

A talk on "Higher Education Prospects in IITs After B.Tech" was held on 29th April 2024 for second and third-year students. Faculty Coordinators: Ms. Deepthi K Moorthy and Ms. Vishagini V.

## **Alumni Talk on GATE Preparation**

An alumni talk on 15th May 2024 by Amal Joe, who secured admission to IIT Bombay, provided insights into GATE preparation and higher studies at IITs.

# **ASCE**

## **Talk Session on "Nuts and Bolts", 20 January 2023**

On January 22, 2024, MBCET ASCE hosted Ms. Roma Agarwal for a talk on "Nuts & Bolts."

She discussed how simple elements like nails play a pivotal role in infrastructure, highlighting their importance in engineering and innovation.

## **Interactive Session on "Technologies on Low Carbon and Lean Technologies", 1 March 2024**

Dr. Jayasree Chakkamalayath led a session on "Technologies on Low Carbon and Lean Technologies," emphasizing sustainability in construction. The focus was on using waste materials and promoting alternative methods to reduce carbon emissions.

## **Old Age Home Visit, 1 January 2024**

MBCET ASCE visited an old age home in Malamukal, Nettayam, on January 1, 2024. Students spent quality time with the elderly, fostering a sense of community and sharing a meal, showcasing the chapter's commitment to social responsibility.

## **"Know Your Alumni" Session, 21 March 2024**

MBCET ASCE hosted alumna Ms. Gouri BS, Senior Engineer at Aecom India Pvt. Ltd. She shared her professional journey and provided insights into career opportunities in civil engineering, emphasizing real-world challenges and solutions.

## **Training on Road Safety and Youth Leadership, 8 February 2024**

MBCET ASCE conducted a one-day training



with KSCSTE-NATPAC on road safety and youth leadership. The program covered accident characteristics, road safety principles, and first aid practices, aiming to educate and engage students in road safety awareness.

## ASME

### Mechathon 23

ASME MBCET organized a two-day workshop on ANSYS Fluent for final-year Mechanical Engineering students on 20th and 27th October 2023. The sessions, led by Mr. Bobin Saji George, Assistant Professor, provided students with valuable hands-on experience in using the CFD software for their final projects.



## IGS MBCET

### Lectures/Webinars Expert

#### Talk on Soil Testing (01/03/24)

Dr. Greeshma Nizy Eujine, CEO and Geotechnical Consultant at Geo-Era Constructions, gave a talk on soil testing, including SPT, bore log, and ground improvement techniques, organized by the IGS MBCET Student Chapter. The event was coordinated by Ms. Lekshmi Chandran M and Ms. Ann George.

### Site Visits Construction Site Visit (15/03/24)

S4 B-Tech students visited a foundation site for the

District Planning Office to observe isolated and strip footings, organized by the Civil Engineering Department and IGS.

### Adani Vizhinjam Port Visit

B-Tech Civil Engineering students visited Adani Vizhinjam Port, learning about construction management, crane operations, and breakwater construction. Faculty Coordinators: Mr. Sreeju Nair S B and Ms. Diana Alice Sugunan.

### Soil Museum Visit (19/04/24)

Students visited the Soil Museum in Parottukonam to learn about various soil types and agricultural methods through exhibits and an audio-visual documentary.

### Quiz/Competitions

#### Geotechnical Quiz "GEO-PUZZLE" (22/03/24)

Held at Laurie Baker Hall, the quiz saw active participation from S4, S6, and S8 students, with winners receiving consolation prizes.



## IPA MBCET

### Webinar on Basics of Plumbing by Mr. S. Virapan (30 Oct 2023)



Mr. S. Virapan, a professor and consultant at Easwari Engineering College, conducted an insightful webinar on plumbing fundamentals, covering modern systems, tools, and best practices.

### **Webinar on Water: The Way of Life by Mr. Dipen Mehta (9 Dec 2023)**

Mr. Dipen Mehta from IPA, Ahmedabad, delivered an enlightening session on water management, sustainability, and plumbing's impact on public health, inspiring students



### **Two-Day Workshop on Fundamentals of Plumbing by Mr. Deepu K Kumar (11-12 Mar 2024)**

Mr. Deepu K Kumar led a practical workshop at Jayamatha ITI, providing hands-on training in plumbing installations, troubleshooting, and maintenance, enhancing students' skills and confidence.

### **Inauguration of Plumbing Lab and Technical Talk by Er. Renny Koipuram (12 Mar 2024)**

The new Plumbing Lab at MBCET was

inaugurated by Er. Renny Koipuram, who also delivered a technical talk on plumbing basics, underscoring the importance of continuous learning and technical proficiency in the field.

## **PERFORMING ARTS CLUB**

### **Danspiration (June 26, 2023)**

A themed flash mob against drug abuse was held on International Day Against Drug Abuse. It was well-received, effectively spreading awareness among students.

### **A Talk Session on Theatre Arts (March 16, 2024)**

An online session with theatre artist Mr. Bilas Chandrahasan attracted over 30 participants. He shared insights on theatre and mime, receiving positive feedback.

### **Street Plays**

The club performed a play at Kanakakunnu Palace for Women's Day, themed "Elimination of Violence Against Women." Directed by Basil Anil, it highlighted societal issues.

## **NSS MBCET**

### **World Environment Day, 5 June 2023**

NSS volunteers planted saplings and cleaned the campus, with 20 participants focusing on the theme "Beat Plastic Pollution." Awareness materials were circulated.



## **ON-SITE Clean-Up,**

**15 July 2023**

NSS units and IET MBCET organized a successful clean-up drive, strengthening community bonds through teamwork.

## **Independence Day,**

**15 August 2023**

NSS celebrated Independence Day with flag hoisting, sweets distribution, and a selfie competition, fostering unity among 50 volunteers.

## **Food Donation 1.0,**

**15 September 2023**

NSS units collected and distributed 50 food packets to those in need, demonstrating community commitment.

## **International Sign**

### **Language Day,**

**28 September 2023**

NSS held a session on basic sign language with NISH Kazhakootam, actively engaging volunteers in learning.

## **Swachhta Pakhwada,**

**1 October 2023**

250 volunteers from NSS MBCET participated in a railway station clean-up, led by Revathy and Praveen.

## **National Unity Day,**

**31 October 2023**

NSS celebrated Sardar Patel's birth anniversary with flag hoisting and thumb impressions symbolizing unity.



## **Anti-Drug Campaign,**

**4 November 2023**

NSS hosted an impactful anti-drug campaign with informative sessions to promote awareness and prevention.

## **Students' Day,**

**17 November 2023**

NSS celebrated by distributing chocolates, fostering unity and joy among students on International Students' Day.

## **Violence Against Women**

### **Awareness,**

**26 November 2023**

NSS and ISTE MBCET hosted a street play to raise awareness on violence against women, impacting the audience deeply.

## **Blood Donation Camp, 30**

**November 2023**

NSS MBCET's blood donation camp collected 47 units, emphasizing the importance of volunteerism and saving lives.

## **Energy Conservation Day,**

**14 December 2023**

NSS organized a poster competition on energy saving, awarding prizes for innovative entries highlighting conservation.





## **Food Donation 2.0, 1 March 2024**

NSS MBCET's second food donation drive successfully distributed food packets to the needy, reinforcing their commitment to service.

## **Cycle Rally, 7 March 2024**

NSS MBCET organized a cycle rally and flash mob to promote safety awareness, supported by Health Minister Veena George.

## **e-NIX Electronics Association**

### **Introductory Event (22/09/23)**

e-NIX conducted an introduction session for first-year students, outlining a range of activities including workshops, training, guest lectures, and social events. The session was led by Abhiram Krishna.

### **Seminar on Sleep & Technology (10/11/23)**

In collaboration with IEEE EMBS SBC, eNIX organized a seminar featuring Dr. Kamalesh Gulia from Sree Chitra Institute, attended by 56 students. Faculty coordinators: Dr. Lani Rachel Mathew and Dr. Emy Mariam George.

### **Executive Committee Selection**

A new committee for 2024 was formed, discussing future activities and collecting feedback from the former members.

### **e-WAVE Magazine (28/11/23)**

e-NIX invited entries for the departmental magazine, e-WAVE, set to be published in 2024.

## **Blood Donation Camp (30/11/23)**

In collaboration with NSS MBCET and Phoenix TVM, e-NIX organized a blood donation camp to promote voluntary blood donation.

### **Movie Re-Release (07/03/24)**

e-NIX hosted a movie re-release to raise funds for the departmental technical fest, 'Adharva'.

### **Project Expo - ProX (24/04/24)**

e-NIX organized ProX, showcasing final year projects, evaluated by Dr. Joseph Zacharias. Coordinators: Dr. Luxy Mathews, Dr. Ancy S. Anselam, and Mr. Shiras S.N.

### **Mini Project Exhibition (24/05/24)**

e-NIX held an exhibition for sixth semester mini projects, evaluated by Dr. Naveen S from LBS Institute. Coordinators: Dr. Swapna P S, Mr. Anoop K Johnson, and Mr. Shiras S.N.

### **e-WAVE Magazine Release (30/05/24)**

The 10th edition of the e-WAVE magazine was released by Principal Dr. Abraham T Mathew, featuring tech developments, achievements, and literary contributions from the ECE department.

# **AARDRAM**



## **Food Distribution Drive**

**(16/11/23)**

Aardram, from the Mechanical Department, organized a food distribution drive under the guidance of faculty coordinator Mr. Akhilchandran B S. Students contributed 465 food packets and ₹6000, which were distributed at four locations in Trivandrum by 14 S7 students. The drive was a resounding success, with thanks to the Mar Baselios community for their support.

## **Christmas Food Fest**

**(22/12/23)**

To celebrate the festive spirit, Aardram hosted a Christmas food fest where students and teachers enjoyed preordered festive dishes.

## **CESA**

### **Expert Talk**

The expert talk on Geotechnical Principles highlighted soil mechanics, site investigation, and their applications in construction, emphasizing the critical role of geotechnical engineering in ensuring stability in infrastructure projects.

### **Aruvikara Dam Visit**

On July 15, 2023, students visited the Aruvikkara Dam water treatment plant, gaining valuable insights into water treatment processes, chemical handling, and operational methodologies, bridging theoretical knowledge with practical applications.



## **Engineer's Day: Quiz**

On Engineer's Day, September 15, 2023, the Civil Engineering Student's Association hosted an inter-departmental quiz in honor of Sir Mokshagundam Visvesvaraya. Sixty participants competed, and winners received certificates.

### **Know Your Alumni (In-Person)**

On September 20, 2023, Lieutenant Vishnupriya Nair, an alumna, led an interactive session for Civil Engineering students, sharing professional insights and experiences at Mar Baselios College of Engineering.

### **Know Your Alumni (Online)**

On September 25, 2023, Lieutenant Vishnupriya Nair engaged Civil Engineering students in a dynamic online session, sharing career experiences and industry insights, fostering a vibrant discussion on Google Meet.

### **Expert Talk**

On September 27, 2023, Dr. Jaya V. presented "Soil Investigation Practices" for Civil Engineering students, covering soil analysis, site boring materials, and problem-solving strategies, providing in-depth geotechnical knowledge.

### **Institute Visit**

On October 20, Thannal members visited the State Institute for The Mentally Challenged, gaining insights into its operations and the support provided for individuals with mental challenges, enhancing their understanding of social care.



## **Legends Cup Cricket Tournament**

On March 23-24, the CESA committee organized a cricket tournament for colleges, promoting leadership, teamwork, and sportsmanship among students. The event successfully fostered competitive spirit and skill development.

## **ILLUMINA**

### **Expert Talk**

Illumina and the Control Systems Research group organized an expert talk on "Optimal Guidance for Chandrayaan-3 Landing" by Dr. Radhakant Padhi on September 13, 2023.

### **Power Quiz**

Illumina hosted the KSEB Officers Association's Power Quiz on November 21, 2023. Winners: Deepak G Thomas (S5 EC2) and Vinayak R K (S7 CS).



### **Expert Talk on Renewable Energy**

An expert talk on "Renewable Energy Integration to Electric Grid with Battery Storage" was conducted by Dr. Sukumar Kamalasan for final-year EEE students on December 13, 2023.

### **Snack Stall**

Illumina and MBCET Senate set up a snack stall for the College Christmas Celebration on

December 21, 2023.

### **Motivational Video:**

Illumina showcased a motivational video on Steve Jobs on March 15, 2024, promoting best practices.

### **UHV Training**

A UHV training session for the EEE faculty was conducted by Dr. Usha Kumari on March 27, 2024.

### **Project Expo**

Illumina's Project Expo for final-year students was held on April 23, 2024. Winners: "Satellite Tumbling Control Using Magnetorquers" and "Real-Time Data Acquisition System for Transformers Using IoT."

### **Hangout'z**

Interactive sessions for first-year students were held on September 19 and 20, 2023, featuring games and activities to foster interaction.

## **CHIRAG**

### **Blood Donation Camp**

Chirag and NSS organized a blood donation camp at Faraday Hall on November 30, 2023.

### **Food Distribution**

Chirag and NSS distributed 85 food packets at the Medical College premises on September 15, 2023.

## **ACE MBCET**

### **ACE Unveil - Inaugural Session (Nov 24, 2023)**



ACE at Mar Baselios College launched its new executive committee. The event featured inspiring speeches from Dr. Jisha John, Dr. Abraham T. Mathew, Dr. Brijesh Madhavan, and Alex Varghese, highlighting the importance of commitment and innovation.

### **ACE Launchpad - Learning Station Session (Nov 24, 2023)**

Running alongside ACE UNVEIL, ACE LAUNCHPAD provided first-year students with insights into corporate technical and non-technical fields, equipping them with foundational knowledge and practical skills.

### **How to Face Competitive Exams (Nov 14, 2023)**

TIME conducted a session for fifth-semester students, focusing on strategies for tackling competitive exams like CAT and GATE, covering time management and problem-solving techniques.

### **Flutter Workshop (March 13, 2024)**

To matrix Technologies conducted a Flutter workshop for S4 CSE & CT students, providing hands-on learning in mobile app development.

### **Project Expo (April 22, 2024)**

Final-year students showcased their projects. The best project was "Metaverse Tourism," and the runner-up was "Collevo - College Management App."

### **Define Hackathon (April 20-21, 2024)**

The 24-hour hackathon attracted 136 participants, fostering innovation and teamwork. Winners were

celebrated in a valedictory ceremony.

### **Higher Education Prospects in IITs After B.Tech (April 29, 2024)**

Dr. Venkatesh and Dr. John Jose from IIT Guwahati provided insights into postgraduate opportunities at IITs.

### **Alumni Talk Session on GATE Preparation (May 15, 2024)**

Amal Joe shared his GATE preparation strategies, emphasizing consistent effort and problem-solving skills.

# SPORTS ACHIEVEMENTS



Adnan Nizam of class S2EC2 represented Thiruvananthapuram District and secured Bronze Medal in the Junior Boys Under 59 kg weight category in the 3rd Kerala State Open Taekwondo Championship 2023-24 held from 6th to 7th January 2024 at Jimmy George Indoor Stadium, Thiruvananthapuram.



Diya Vijayan VD of S4 EC2 was selected as the Vice Captain of the KTU Women's Netball team in the All India Inter University Netball Championship for women held at Naipunya Institute Koratty on 4th -7th May, 2024



Ashwin Gireesh of S2 PCI participated in the 7th Kerala State Kick Boxing Championship 2024 held at Calicut and won the Bronze medal in the Full contact- 56(senior) category and Gold in the Mixed form with weapon category



MBCET Basketball Team became the Champions of the tournament 'Slam Dunk 24' All Kerala Inter Collegiate Basketball Tournament Organized by Amrita University as part of their National level Multyfest 'VIDYUT'



Ashik S C of S6 EE participated in the Arm Wrestling District Competition and secured Gold medal in Youth and Senior Left hand competition and secured Silver medal in Youth and Senior Right hand competition organized by Board of Control for Arm Wrestling in India(BCAI) held on 30/3/2024 at Durgam Lifting Club, Akkulam, Tvm. He is Qualified for participating in the State Level Competition to be held in the month of April.



The MBCET Basketball team lifted the George Memorial Runner-Up Trophy conducted by Providence Engineering College, Chengannur.



Aaromal R Chandran of S2 EL is selected to the KTU Netball Team to participate in the All India Inter University Netball Championship



Ravikiran Nair of S4 CT participated in the Pro Boxing Championship, which was conducted in connection with the International Sports Summit, Kerala 2024 from 23rd to 26th January 2024. There were more than 80 participants, in which he secured the Runner Up position in his Category (Super Welter)



MBCET Women NETBALL team secured third position in the All Kerala Inter Zone Netball Championship held on 23rd February 2024



Shane C Ashankinjo of S4 EC2 and Sijo S of S2 CT got selected to the KTU University Athletic Team to participate in the South Zone Inter-University Athletic Championship to be held at Tamil Nadu, Physical Education and Sports University, Chennai from 29th December 2023 to 1st January 2024. Shane will represent KTU in 200 Mtr, Long Jump and 4x 100 mtr relay. Sijo will represent in 800 Mtr.



Vineeth Rochan of S8 CE1 got selected to the KTU University Volleyball team for the third time and has also been selected as the captain of the University Volleyball team.



MBCET Men's team became champions of the Inter-Collegiate, Inter-Zone (All Kerala) Lawn Tennis Championship held at TKM Engineering College on 25th Nov 2023.



Diya Vijayan V D of S4 EC 2 and Dona Ivan of S2 CE1 were selected to the KTU Team to participate in the South Zone Inter-University Basketball Tournament held at Jain University Bangalore.



The MBCET Women's Basketball Team Secured runner-up position in the APJ AKTU All-Kerala Inter-Collegiate Tournament held at ICCS College of Engineering and Management on 24th & 25th November 2023.



The MBCET Volleyball Men's team secured Third position in the A Zone Inter Collegiate Volleyball Championship held at VKCET, Paripally on 24 Nov 2023



The MBCET Yoga Men's team bagged the second position in the APJ AKTU Inter Zone Intercollegiate Yogasana Competition held at Rajagiri Engineering College, Ernakulam on 23rd November, 2023.



The MBCET Chess Men's team lifted the KTU (A - Zone) Inter-Collegiate Chess Championship Trophy and the Women's team got Fourth position in the competition organized by the Department of Physical Education, MBCET.



Juhi Elizabeth John of S4 CT and Pranav P Nair S4 EC1 got selected to the KTU University Table Tennis team.



The MBCET Men's and Women's teams secured First and Third positions, respectively in the APJ AKTU A - Zone Inter-Collegiate Table Tennis Tournament held at CET.



ASHISH T of S4 CE got selected in the Trivandrum Senior Basketball Men's team and participated in the State Basketball Championship held from 7 to 12 Nov 2023.



The MBCET Women's Kabaddi team lifted the Winners Kabaddi A - Zone Championship Trophy held at VKCET, Paripally on 28th October 2023.



The MBCET Kabaddi Men's team secured the third position in the A - Zone Inter Collegiate Kabaddi Championship held at VKCET, Paripally. Also, three of our students were selected to participate in the selection process to constitute the KTU Kabaddi team.



Ravikiran Nair of S2 CT, represented INDIA for the 1st Asian Checkers Championship and participated in the 2nd WBCO Indian Open Checkers World Cup 2023. He secured Gold and Bronze Medals respectively for the events held at Kolkata from 4th to 7th June 2023



# KTU ATHLETIC MEET

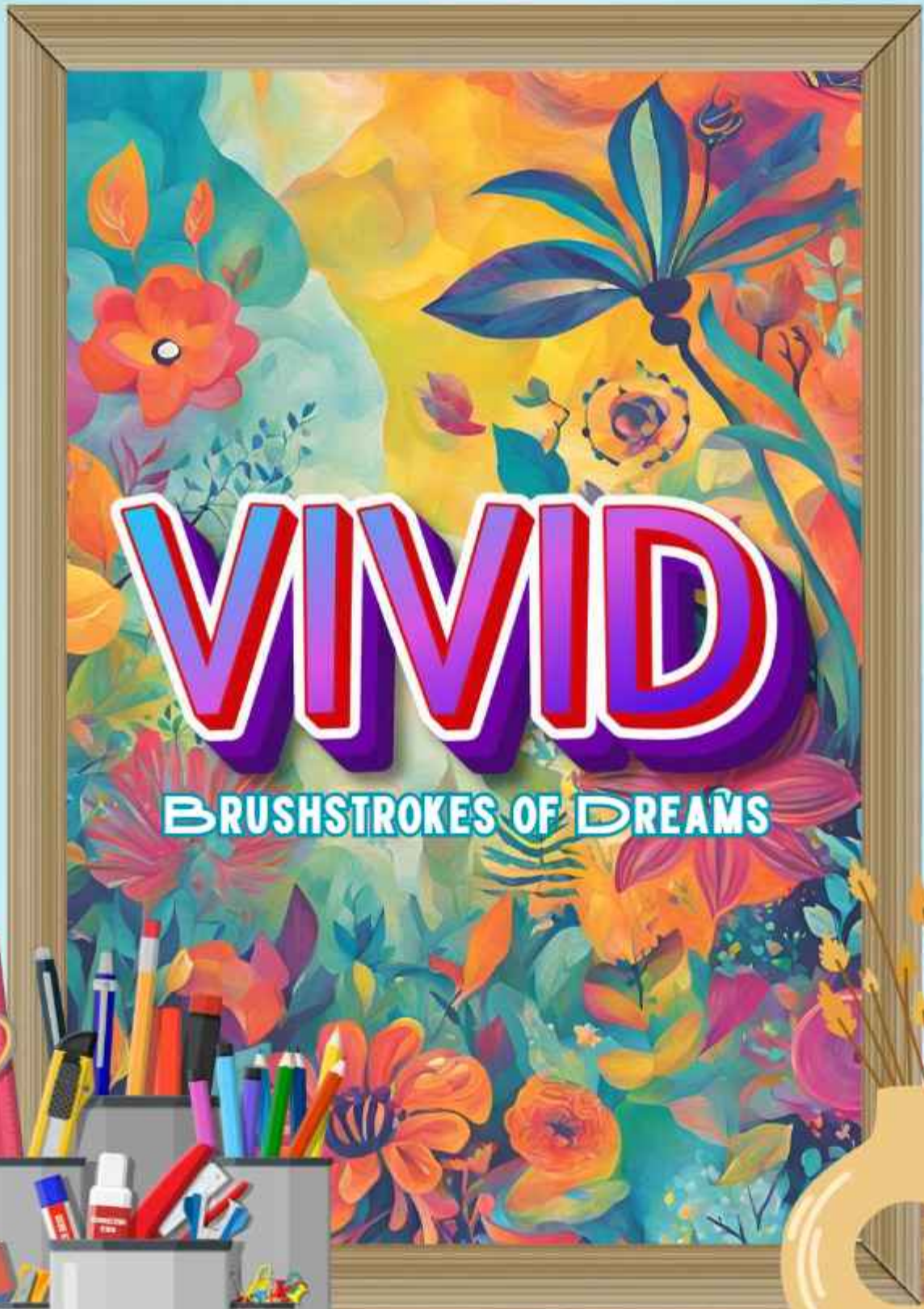


# BASELIAN BIG BASH LEAGUE



# BASELIAN PREMIER LEAGUE







*Anoushka L Nair S6 EC*



*Varsha Rachel George S4 EL*



*Elna Scaria S4 EE*



*Ms Sruthi Janardhanan  
Asst Professor Dept of S&H*



*Lohith Sankar S S4 CT*



*Rahul V S6 CS*



*N Namitha S2 EC*



*Sanjana D S S4 CS*



*Merlin Raji S4 EE*



*Merin Sarah Thomas S6 EE*

# Moments de Beauté



**R. HANDAL GEOFFREY [S4 CT]**



**Abhijith R.R. [S4 ME]**



**VISHNU B. S. [S4 EL]**



**GOURISANKAR S. [S6 EE]**



**Ashlin Anil Antony [S4 EC]**



**Shravan D. A. [S8 CS]**



**Sanjana D. S. [S4 CS]**

# Obituary



**DR. SAKUNTALA  
S. PILLAI**

Former Professor & HOD | Dept. of ECE  
Former Dean (R & D) | MBCET

Left us on 1st June, 2024



**MR. HARI  
VENKIT**

Assistant Professor  
Dept. of Mechanical Engineering

Left us on 9th January, 2024

# MBCET STAFF

2023-24

**JEEVANS**

DIGITAL STUDIO AYIROOOPARA  
PH: +91-471-2410770, 9446529647

PHOTO COURTESY





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**TECHNICAL STAFF**



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**PHYSICAL EDUCATION**



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**PH. D SCHOLARS**





**HOUSEKEEPING STAFF**



**SECURITY STAFF**

# MBCET SPORTS





# CLASS OF 2024



M.TECH



OE-I



OE-II

B.Tech



CS-I



CS-II

B.Tech



EOC-I



EOC-II



EE-1



EE-II

B.Tech



ME-I



ME-II

B.Tech



# EDITORIAL TEAM



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Professor - Staff Editor



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S6 EEE- Student Editor



**Ardra A.**  
S6 EC1- Sub Editor



**Swetha S.**  
S6 CE2- Sub Editor



**Sanjana D. S.**  
S4 CS1- Sub Editor



**Ihan Ahammad**  
S4 ME- Sub Editor



**Anoushka L. Nair**  
S6 EC2



**Kiran Biju**  
S4 CS1

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## DESIGN TEAM



**Athul V. S.**  
S6 EEE- Design Head



**Johan S. Varughese**  
S2 CT- Designer



# Signing Off

*Dear Readers,*

As I pen down this final note, a wave of nostalgia and gratitude washes over me. Serving as the Editor of AUKERA has been an incredible journey, filled with countless memorable moments, creative endeavours, and collaborative efforts. It's been a privilege to work with such a talented and passionate team, and to bring to life the stories, achievements, and voices of our vibrant college community.

Over the past year, we've strived to capture the essence of our campus life—celebrating successes, exploring diverse perspectives, and fostering a sense of connection among students, faculty, and staff. From insightful articles and thought-provoking interviews to creative artwork and literary expressions, AUKERA has been a labour of love and a testament to the collective spirit of our contributors.

I would like to extend my heartfelt thanks to the entire editorial team and the design team for their unwavering dedication, creativity, and hard work. Your commitment to excellence has made this magazine a cherished platform for all. To our readers, thank you for your support, engagement, and feedback. Your enthusiasm has been our driving force and inspiration.

As I sign off, I am filled with optimism for the future of our magazine. I am confident that the next magazine will continue to uphold the standards of excellence and innovation that we have established. I encourage everyone to keep contributing, sharing, and celebrating the unique stories that make our college extraordinary.

Here's to new beginnings and continued success for AUKERA and the magazines to come

Signing off, with heartfelt gratitude  
For the Editorial Team,

*Sophy Maria Joy*



# MAR BASELIOS

## COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous College affiliated to APJ Abdul Kalam Technological University)

Code  
**MBT**

### NBA Accredited Programmes

B.Tech Civil Engineering.	120 seats
B.Tech Computer Science and Engineering.	120 seats
B.Tech Electronics and Communication Engineering.	120 seats
B.Tech Electrical and Electronics Engineering.	60 seats
B.Tech Mechanical Engineering.	90 seats

### M.Tech Programmes

M.Tech Computer Science and Engineering.	18 seats
M.Tech IoT and Sensor Systems.	18 seats
M.Tech Machine Design.	18 seats
M.Tech Power Control and Drives.	09 seats
M.Tech Structural Engineering.	18 seats
M.Tech Telecommunication Engineering.	18 seats
M.Tech Transportation Engineering.	18 seats
M.Tech Environmental Science and Engineering.	18 seats
Ph.D in all branches.	

### New B.Tech Programmes started in 2022

B.Tech Computer Science and Engineering(Artificial Intelligence).	60 seats
B.Tech Electrical and Computer Engineering.	60 seats

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Autonomous: Since 2020

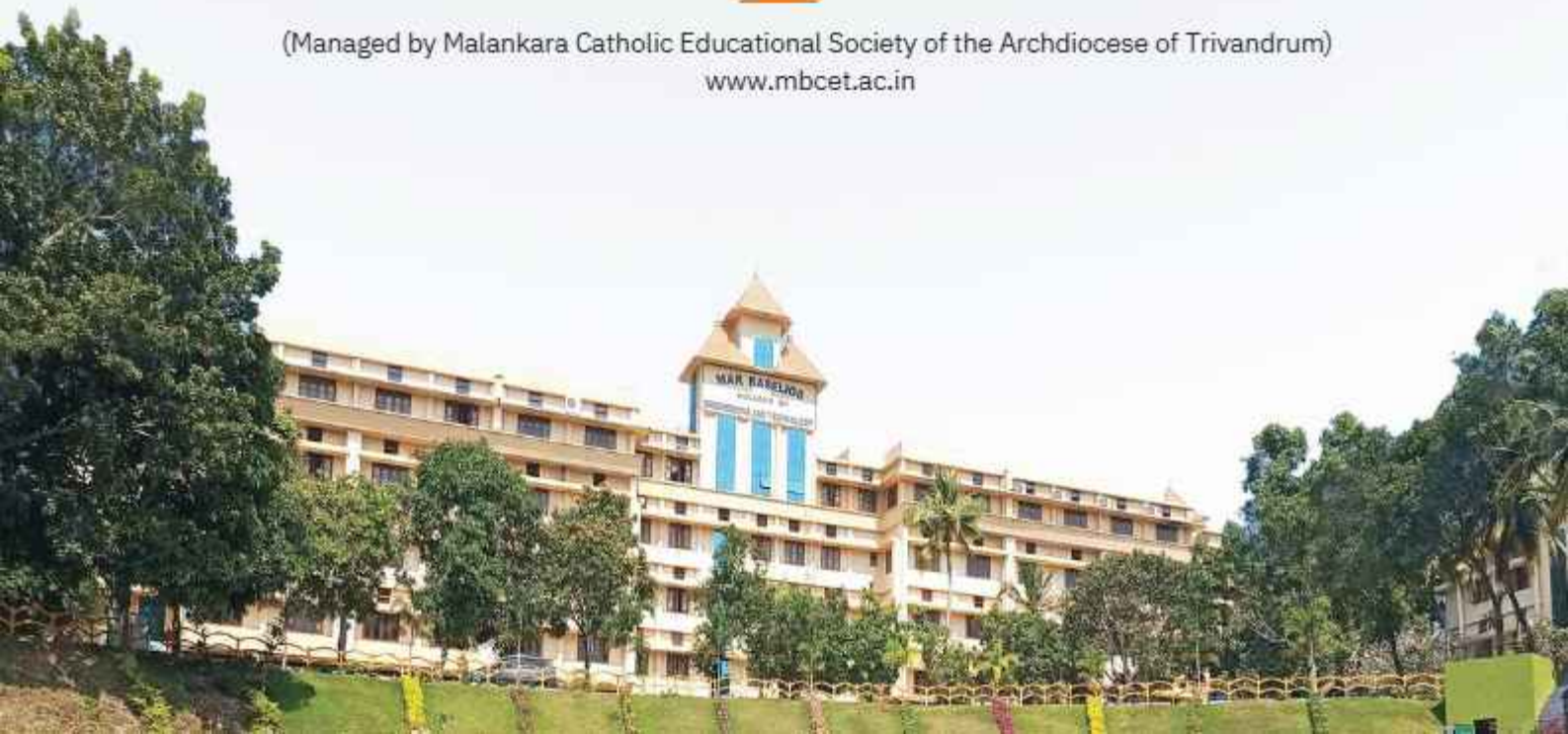


## MAR BASELIOS COLLEGE OF ENGINEERING AND TECHNOLOGY

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