



era

2021-2022



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QUALITY EDUCATION



VISWAJYOTHI
COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE New Delhi & Affiliated to APJ Abdul Kalam Technological University

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VISION

“Moulding professionals par excellence with integrity, fairness and human values”

MISSION

- We commit to develop the institution into a centre of excellence of international standards.
- We guide and mould our students in the attainment of intellectual and professional competence for successfully coping with the rapid and challenging advancements in technology and the ever changing world of business, industry and services.
- We help and support our students in their personal growth shaping them into mature and responsible individuals.
- We strive to cultivate a sense of social and civic responsibility in our students, empowering them to serve humanity.
- We promise to ensure a free environment where quest for the truth is encouraged.

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Our faith in holistic education that ensures wisdom, knowledge and values of life to future generation is upheld in the publication of our magazine, 'era 2021-22'. The underlying spirit of our ventures has been epitomized by the perception of comprehensive change in the outlook of our students which is reflected in their literary & creative spirit. Let the wisdom spilling from the divine spirit pass through the wits of the masters to the pupil and reflect the true notion of academic excellence. The unconditional efforts put forth by the faculty and student editors in the realization of this magazine is praise worthy. It is with immense pleasure that I express my wishes and prayers to our future engineers to attain their vision of success in life.

Msgr. Dr. Pius Malekandathil



Message

Director



Illustrious astrophysicist and cosmologist Carl Sagan famously said, "Somewhere something incredible is waiting to be known". The annual magazine 'era' 2021-2022 is a work of art by our highly talented and enterprising students echoing our vision of holistic education encompassing integrity, fairness and human values. The quintessence of success resulting from our efforts, innovative spirit and sophisticated methods contemplate our ethos of future. Wishing is just preamble to success. After wishing we have to put all things in place and go ahead with prime focus. The triumphs of the past and joys of the present hold the key to the glorious future of our students. The earnest endeavors of the editorial crew and the creative skills of the students are much appreciated.

Rev. Fr. Paul Nedumpurath



Message

Principal



The publication of our annual magazine 'era' gives me immense pleasure. The chronicle of events, igniting incidents in our students' life, the creative works of students and teachers have been carefully compiled to reflect the true spirit of Vishwajyothi family. This edition highlights the outstanding achievements, recent awards and progress of our student community which can act as a source of inspiration for our future endeavors. I congratulate the commendable efforts and strong dedication of our editorial team for this marvelous work of creativity.

Dr. K.K Rajan



Message

Vice - Principal



I feel extremely delighted to write a few words as prologue to our annual college magazine 'era' for the academic year 2021-22. As you flip through the pages, you will be enlightened with the important milestones that our college has achieved this year. Besides, our budding professionals have exquisitely expressed their prolific thoughts, innovative ideas, aspirations and convictions in a creative way. So 'era' serves as testimony of the hidden potential, ardent enthusiasm and creative brilliance of our students. I extend heartiest congrats to the contributors and the editorial board for their commendable efforts resulting in the successful completion of 'era' 2022.

Mr. Somy P Mathew



"Under the sun, through the rain,
you will bloom all the same."

era



EDITOR'S NOTE

From being someone who feared the idea of putting herself among people to being someone who now finds peace in it, I would say I changed.

The idea of writing, dancing or even sketching comes from a space where I don't know how else to tell the world that this is what I feel or believe. Not like I have to, but I want to. So every time someone comes up to me and asks about how I create, my answer has always been - are you not curious to know how you'll end a piece once you start it? Because I create out of curiosity. I want to know if I can express this specific feeling and to what capacity. Not to be the best or the first, but to be the one who can go back to her work and say "wow, this is what she felt then" with accuracy. I think it is beautiful. The unpredictability factor of our lives often resonates with what we create too. It is crazy how when someone said - "if an artist falls in love with you, you will live forever", and I probably didn't realize how deep it was then. But now, I can say for sure that it is true and I love it.

I create art because I want my feeling towards anything or everything to last. Let it be to my mom, my brother, my bestfriend or the love of my life. These feelings, they were the purest when they existed, so they deserve to be known even after me. The right way to any artist's heart, is acknowledging their effort. The right way to any human being's heart, is showing effort. Do both, and you're winning already :)

~ elizabeth george

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CHAIRMAN'S LETTER

Though it is just one year of being the chairman of the student's union, I've got a handful of moments to cherish. It has been an absolute privilege and honor to be a part of it. Needless to say, we, the team have come a long way from where we started. Rise or fall, we were all together. From organizing the grand Christmas celebration that the college has ever seen, we started a bumpy ride, yet a memorable one. When we look back, every single moment have lot more to say.

Pandemic separated all of us from our college for a very long time. The academic schedule difference of seniors and reducing a semester to 3.5 months were all hurdles to us. Yet we managed to organize technical fest and arts fest which was on standby mode for few years. I would like to thank VJCETians for your understanding, support and showing me that leadership is not about titles but it is all about relationships. It would have not been better without every single one of you.

As our tenure as student's union comes to an end, I reminisce all the moments which molded us to what we are today. Lastly, with my whole heart, I thank every one of you for the trust you heaped on me, fingers crossed may the next student's union have a great time.

Thanking you,

Mathukutty Manoj

STUDENT'S COUNCIL REPRESENTATIVES



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IN LOVING MEMORY OF Ms. ANN NEETHA SABU

Former Head of the Department
Department of Science & Humanities

ANNUAL REPORT

2021-2022



CONTENTS

- UNIVERSITY EXAMINATION RESULTS
- PLACEMENTS
- ACADEMIC INITIATIVES
- STUDENT ACHIEVERS
- FACULTY ACHIEVEMENTS
- PROGRAMS
- ISTE
- CSI
- IEEE
- NSS
- WOMEN CELL
- ICTAK
- IIC
- IIIC
- UNAI
- IEDC
- ALUMINI ASSOCIATION
- PTA
- PLACEMENT CELL

It is with immense pleasure that I present the Annual Report of activities of our college for the academic year 2021-2022.

Viswajyothi College of Engineering and Technology is an AICTE approved institute affiliated to APJ Abdul Kalam Technological University. The college offers 8 B.Tech. programs, 3 M.Tech. programs, and a postgraduate program in Management Studies. VJCET is committed towards elevating the academic and professional competence of its students, aligning with the Vision and Mission of the institution.

The activities of the academic year 2021-2022 commenced on 27th September with a Holy Mass celebrated by the Director of the college Rev. Fr. Paul Nedumpurath. To begin the academic year on an optimistic note, the college hosted a One-week Orientation program for first year students.

The college has a total strength of 1735 students of which 424 students were newly admitted during this academic year. 28 new faculty members joined service during this period, while 25 faculty members were relieved from service, making the total strength of teaching faculty 231.

University Examination Results

Viswajyothi has consistently kept up excellent performance in University Exams right from its inception in 2001. The College scored 17th position in Academic Performance Index among 133 colleges of KTU. We were also ranked 18th position in pass percentage among 133 colleges of KTU. The overall pass percentage is 63.61. The pass percentage of each department is as follows:

Civil Engineering - 69.23

Computer Science and Engineering - 72.17

Electrical and Electronics Engineering - 50

Electronics and Communications Engineering - 70.37

Information Technology - 52

Mechanical Engineering - 56.8

The department of MBA has a pass percentage of 80.39.

First rank holder Ms. Aleena Sara Baby of CSE with a CGPA of 9.9.

Placements

437 offers were received from 37 companies for 414 engineering students and 287 students accepted the offer. The highest offer was for Mr. Shahir S of S7 CSE B who was selected as the Security Engineer in Amazon Spain Service S.L, with a salary package of 53.8 lakhs (€ 67,000) per year. Our major recruiters were : Infosys, TCS, IBS, South Indian Bank, The Federal Bank, Tata Eliksi, HCL, L&T Valves Indoshell, Tech Mahindra, ITC InfoTech, UST, Tata Communications, Cognizant, ELGI and many more.

Academic Initiatives

The College has always taken strenuous efforts to strategize and implement new systems in accordance with students' needs. A new academic body titled "Academic Performance Monitoring Committee" (APMC) was constituted with nominated members from each department, and headed by Dr. Sajan T John (Associate Professor, MED), who reports to the Principal. This initiative was conceived with the ideal of developing, implementing and promoting a methodology to improve academic performance of students.

Student Achievers

Though the COVID pandemic hindered the regular activities of the college, the effectiveness of teaching - learning process was ensured using hybrid mode. Our students participated in various competitive events at regional and national level and secured recognitions.

They have also enrolled and successfully completed various competitive events at regional and national level and secured recognitions. They have also enrolled and successfully completed various internships and online courses offered by institutes of repute in India and abroad. A few prominent among the long list of student achievers of the academic year are as follows:

Team Invictus Trident (comprising of 31 students belonging to different branches of ME, ECE, CSE and AD) designed a Hybrid tricycle on a collegiate design competition organized by the Society of Automotive Engineers. The design fetched 13th rank at national level and was ranked second in the state.

Mr. Harigovind S, S7 ME A, participated in 'Navakerala Yuvakeralam' student meet with the Chief Minister of Kerala held at Cochin University. He also attended the 5NANO 2021 IEEE International Conference in Nano Technology held at Mangalam College of Engineering, Ettumanoor and presented a paper titled "Carbon Fibre Reinforced with Vespel and Honey Comb Structure".

Mr. Roshan Shaji of S5 CSE B has been officially certified as Huawei Student Developers Campus Ambassador in India.

Mr. Aravind T Biju of S5 ME A represented the College and participated in the 'Rural Innovation's Meet 2021' organized by Kerala State Council for Science, Technology and Environment.

Faculty Achievements

The faculties are regularly involved in research activities and also attend workshops and seminars at the regional and national level as a part of faculty development.

Dr. Anoop C K, Professor, Department of Civil Engineering, was nominated as the Convener

of Hydrology session for American Geophysical Union, AGU, Fall meeting 2021, New Orleans LA, USA, from 13th-17th December 2021. Mr. Andrews Jose, Asst. Prof., Department of Computer Science and Engineering, was appointed as the resource person on OBE and its attainment at Younus College of Engineering and Technology, Kollam. He has also served as the resource person on NAAC Accreditation at Farook Institute of Management Studies (FIMS), Kozhikode, and at St. Xavier's College for Women, Aluva. Ms. Ann Preetha Jose, Asst. Prof., Department of Information Technology has undergone "Innovation Ambassador" training conducted by the Ministry of Education's Innovation Cell & AICTE.

Programs

The Students Council elections were held on November 11th, 2021 and the Council members under the chairmanship of Shri Mathukutty Manoj assumed office on November 19th, 2021.

The Annual Inter-Collegiate Technical Festival of VJCET "Bodhi 22" was inaugurated on May 19th 2022 by Mr. Rajeev Mazhuvath, Enterprise Architect with TCS, Kochi. The Techfest was hosted for two days to upskill and equip students with the emerging and ever-evolving technological innovations. Branch-specific events were organised by each department with active participation of all students and Faculty members.

The Annual Arts Festival of VJCET "Drishya 22" was inaugurated by Ms. Saniya Iyyappan, Cine actress, on May 22nd, 2022. It was conducted as a two-day cultural extravaganza to act as a platform for the students in creative and performing arts competitions. In order to foster the artistic and aesthetic sensibilities of the students, various events were arranged in "Drishya".

The college offers ample facilities for sports &

games. Though the Inter-Collegiate Basketball Tournament hosted by VJCET every year, MAGNUM, could not be conducted due to the prevalent pandemic restrictions; students were encouraged to participate in sports events. Mr. Basil Varghese of S7 ME B represented KTU in the National Inter-University Volleyball Tournament organized by SRM University, Chennai. Mr. Sonu Sam of S7 EEE was selected to the University Football Team of KTU. Mr. Basil Skaria of S3 EEE participated in the FIT INDIA Freedom Run 2.0 organized by Nehru Yuva Kendra in association with Indian Red Cross Society, Ernakulam.

Realizing the responsibility to be proactive towards the emerging challenges and to keep up with the rapidly changing developments in technology, all the departments of the college have organized several programs during the reported year; a few of which are cited here.

Department of Civil Engineering

The Civil Engineering Association was inaugurated on 08.02.2022 by Er. Wilson J Kavalakkudiyil, Structural Integrity Engineer, NOC, UAE. Experts from industries were invited to deliver talks on varied topics such as "Digital Twins in Civil Engineering", "Integrated Approach in Science and Technology", "Role of Civil Engineers in Nuclear Industry", "Building Information Modelling", "Advances in Water Resources Management", "Highway Design", "Advances in Steel Design and Detailing Software" and "Career opportunities in Civil Engineering" during the reported period. An "Add-on Course on REVIT Architecture and REVIT Structures" was conducted for the pre-final year students in September 2021. A "One week Hands-on Workshop on Advanced Surveying Techniques in Total Station Surveying" was conducted for the final year students in March 2022. A "One week FDP on Recent Advances in Structural Engineering"

was hosted by the department in April 2022 where-in faculty members from other institutions were also beneficiaries.

Department of Computer Science and Engineering

A "Micro-skills Virtual Training on Java Programming (60 hours)" organized by ICTAK from 29th December 2021 to 29th January 2022 was successfully completed by five final year students and six pre-final year students from the department. Two faculty members participated in a "Faculty symposium on Android Application Development" hosted by Google on 21st March 2022 organized by ICTAK.

Electronics and Communications Engineering Department

The Electronics and Communication Engineering Association was inaugurated on 24th January, 2022 by Er. Jeevan Joseph, Senior Engineer and Manager, Amazon, USA. Technical sessions on "Design and Development of Antennas for 5G Wireless Communication" and "Career opportunity for Electronics Engineers in Nuclear Industry" were conducted for the students. A Workshop on "Electronic Product Design" was organized by M/s Truetek World on 9th and 10th of December 2021, which was hosted by the department. A Workshop on "Introduction to Development Boards" was also conducted on 15th February 2022 for which Er. Varghese Benny, Founder and Chief Executive Officer, M/s Rabbitsquare, was the resource person.

Electrical and Electronics Engineering Department

With a view to inculcate awareness on sustainability and the best practices to conserve natural resources, the department organized an online seminar on "Something has Ahead Gone Wrong Somewhere: Amidst a Line of Floods, a Water Crisis a Ahead for Us?"

by Prof: V K Damodaran, Director of Team Sustain and Chairman, CED, FACES, NGGFn on 20th July 2021.

Department of Mechanical Engineering

The department hosted a National Conference on "Recent Trends in Power, Control and Communication Technologies" from 30th to 31st July 2021. The conference was inaugurated by Er. A.M. Narayanan, IES, Energy Professional and Former Director, State Electricity Regulatory Commission. An expert talk on "Power Sector Transformation- Opportunities" was also conducted in association with the event. A Talk on "Ethics and Human Values" was conducted for the first-year students by Fr. Mathew Mulagancherryil, Provincial Counsellor and Superior, Assissi Aasram, Pala. A webinar on "Nano Technology - Introduction, Scope and Opportunities" was conducted on 24th September 2021 for final year students, for which Dr. Dawnee S, Associate Professor, Ramaiah Institute of Technology, Bangalore was the resource person.

Department of Information Technology

The department organized a "Hands-on workshop on Career Guidance in IT Industry" in association with CSI on 13th June 2022. Hands-on workshop on 'Introduction to Cyber Security', was organized by Department of IT in association with CSI on 13 June 2022.

The department hosted a National Conference on "Recent Trends in Computing 2022" on 24th June 2022. A webinar on "Serverless Computing", was organized by the department with Mr. Arun Mathew, Senior Backend Engineer, Inspirit Chennai, as the resource person. Mr. Biju Thomas, Senior Manager, Cochin Shipyard participated in the "Engineer's Day Celebration" hosted by the department.

The department conducted a KTU-sponsored 5-day online FDP on "Supply Chain Modelling

and Logistics Management". Webinars on "Application of 3D Printing in Different Fields" and "Future of Higher Education in India" were also organized by the department.

The activities of various professional bodies functioning in the college are reported as follows:

ISTE

The ISTE student chapter was constituted in 2007 (Membership No: KE51) and the college secured Institutional Membership in the year 2008 (Institutional Membership No : IM 1541) . ISTE Chapter of VJCET is headed by Dr. K K Rajan (Principal) who is the Chairman of ISTE chapter. Ms. Manju Thomas (AP, ECE) serves as the Secretary; Ms. Sabitha Raju (AP, CSE) serves as the Joint Secretary; and Ms. Amrutha S (AP, CE), as the Treasurer and Student Advisor. Our faculty chapter has 110 lifetime members and the student chapter consists of 822 student members. This active professional body has organized workshops, webinars and technical talks in association with the departments of CSE, ECE and AI during the reporting period. A few of them are cited as follows :

Workshop in association with the department of CSE on "Stepping into the World of SAP" delivered by Mr. Harish Mohan, Senior Consultant, E&Y on 30th January 2021.

Webinar in association with the department of AI on "How to Become a Successful Engineer" delivered by Mr. Sivadas T Nair, Assistant Professor, AI Department on 4th March 2021.

Workshop in association with the department of CSE on "Entrepreneurship and Decision Making" delivered by Ms. Krishna Raja Nair, UST on 13th March 2021.

Webinar in association with the department of ECE on "Ethical Hacking" delivered by Mr. Prince Kurian, Assistant Professor, IT Dept. on

19th June 2021. Technical talk in association with the department of ECE on "Patch Antennas" delivered by Mr. Mr. Melvin C Jose, Associate Professor, ECE, was conducted on 11th November 2021.

CSI

The Computer Society of India (CSI) Student chapter of our college is headed by Ms. Arsha J K (Assistant Professor, CSE). It is indeed a matter of great pride that our CSI Student chapter received the prestigious "Best Accredited Student Branch Award" consecutively for 6 years as on date. The student branch of CSI VJCET hosted a state level workshop on "Introduction to UI Design and App Development" on 19th May 2022 with a participation of 110 aspiring students from various institutions. A photography contest on the theme "Street Life" was conducted on 4th June 2022. A state level coding competition "Kodefiesta 2022", and other events such as "Triviabitz" (solving riddles, error discovery), and "Code Forge 2021" (Quiz, Scavenger Hunt and coding) were organized as part of Bodhi 2022. The CSI chapter also organized a program on "Introduction to HMS CORE" in coordination with Huawei Student Developer community.

IEEE

The IEEE students branch of the college functions as a dynamic body under the guidance of faculty members Mr. Anish M Jose (Assistant Professor, ECE), Mr. Babu T Chako (Assistant Professor, EEE) and Mr. Sivadas T Nair (Assistant Professor, AI). The major activities during the reporting period are cited as follows :

A project "Let's Unchain It" which initialized automatic hand sanitizer and automatic tap at Adimali Taluk Hospital, was funded under IEEE SIGHT with an amount of \$2158 (Rs 1,62,000). The project was completed within 6 months and was inaugurated on 18.01.22.

Another project funded under IEEE SIGHT/HAC with an amount of \$ 4998 (Rs. 3,66,104) and completed within 6 months named "Project IGNITE". This project aimed at initializing a Multi-Grade Learning Centre at Paniyeli L.P School.

A Special Project on "Augmented Reality for Kids" named "SPARK", which was funded under IEEE R10/SIGHT with an amount of \$ 500 (Rs 37000).

Yet another project funded under IEEE SIGHT/HAC with an amount of \$ 4998 (Rs 3,64,617) and completed within 6 months named "Charging Up 2.0". This project was related to the setting up of a solar-powered Smart Class Room at Mankulam Tribal Settlement School.

Every year an event "MEGAMIND" is hosted by our IEEE student body to select the best student among entire first year students of VJCET. The event was conducted successfully this year also.

NSS

The College organizes and participates in various extension activities with the objective of sensitizing students about various social issues and also contributing to the community and strengthening community participation. The NSS unit of the college under the leadership of faculty members Mr. Aneesh Kurian (Assistant Professor, EEE), Mr. Santhanu P Mohan (Assistant Professor, ITD), Ms. Jerin Jose (Assistant Professor, CED) and Ms. Mary Nirmala George (Assistant Professor, AD) has rendered remarkable services to the society through NSS student volunteers, thereby endowing a sense of accountability and responsibility to those students. A few of the activities of our NSS unit during the period of reporting are listed as follows :

The 73rd Independence Day was celebrated by hoisting the National Flag. Flood relief

activities were strengthened by distributing notebooks to school students who were affected by the 2019 floods. The Technical Cell Core committee members conducted "Orientation sessions" for the new volunteers. A poster making competition was conducted to generate awareness on Ozone layer depletion. An essay-writing competition on the topic "National Unity" was conducted in connection with the birth anniversary of Sardar Vallabhbhai Patel.

Cleaning programs were organized within the college premises and at the Primary Health Center, Pandapilly, Muvattupuzha. A "Blood donation Camp" was conducted on 26th September 2021, in association with IMA Thodupuzha and sponsored by HDFC bank and Blood donors Kerala. A 7-day special camp "Punarjani" was conducted at the Government Taluk Hospital Muvattupuzha, where our student volunteers reinstated various hospital equipment worth Rs.17,42,300. Provided Onasadhya to the 35 inmates of Providence Home as a part of Onam celebration 2019.

Women Cell

The Women Cell headed by Ms. Merlin C Thomas (Assistant Professor, ECE) has always tried to organize programs which have greatly impacted the women students' campus experience. An awareness class on PCOS was conducted on September 26th 2021, through online mode with experts from District Hospital, Muttom. In connection with the Women's Day 2022, a painting competition was conducted on the topic "Stop Violence against Women". A webinar on "Break the Bias" was organized on March 8th, 2022 , the resource person being Rev. Sr. Adv. Josia SD, LLM.

ICTAK

Information and Communication Technology Academy of Kerala created in a PPP is a social

enterprise for imparting ICT skills to the youth of Kerala to improve their employability opportunities in the industry. VJCET is a premium member of ICTAK since August 2020 with Ms. Neenu Daniel (Assistant Professor, CSE) as the faculty-in-charge.

ICTAK conducted an FDP on "Artificial Intelligence and Machine Learning with Java" in association with Oracle Academy, which was successfully completed by two faculty members. An FDP on "Salesforce Administrator" was also conducted in association with Salesforce, and two staff members successfully completed the program.

IIC

The primary mandate of Institution's Innovation Council (IIC) is to encourage, inspire and nurture young students by supporting them to work with new ideas and transform them into prototypes. For that various innovation and entrepreneurship - related activities are organized in the college. IIC - VJCET has organized 13 expert talks and 3 MHRD's Innovation Cell driven activities. Impact lecture series based on innovation are also organized to encourage students to work on new ideas and innovations and promote them to create start ups and entrepreneurial ventures.

IIIC

Industry Institute Interaction Cell (IIIC) aims at effective interaction between the industry, research organizations and reputed institutes so as to improve the quality of the technical education and enhance the employability of engineering graduates. During the academic year 2021-22, IIIC-VJCET conducted various programs like technical talks, industrial visits and seminars for the students. VJCET has interacted with many industries in India and signed 29 MoUs with various industries so far. IIIC coordinates the whole industrial visits for

students of all the departments of our institution.

UNAI

The United Nations Academic Impact (UNAI) association of VJCET was inaugurated in November 2017. Following are the activities that were carried out in the academic year of 2021-22.

Webinar on 'A New Dawn in America- Its International Implications' that was conducted on Thursday, November 19th 2020 from 11am to 12pm via 'Zoom'. The objective of this webinar was to make the students aware of America's plan of action under the newly elected President Mr. Joe Biden and to discuss America's renewed relation with India under Mr. Biden. The total number of participants including students and faculty members were around 450.

Dr. K.K Rajan, Principal, VJCET delivered the welcome speech & Dr Geo Baby, HOD, MBA Dept introduced the chief guest. Mr. T.P. Sreenivasan, an eminent diplomat and educationalist spoke on the topic - 'A New Dawn in America - It is International Implications.'

Orientation Program for new Members was conducted through the online platform Microsoft Teams with almost 150 members of UNAI - ASPIRE chapter of VJCET and the program commenced by 6:00 pm. The program was inaugurated by our respected Principal Dr. K K Rajan.

Mr. Ron Ellickal, resource person, came up to talk about "The Sustainable Development Goals" and about the "Activities of UNAI." And he had also shared the Experience as a UNAI Council Member.

The Focal Point of UNAI, Prof. Shine George had expressed her gratitude and love to the students and the coordinators of this event.

Seminar on 'Sustainability in the Built environment' was conducted on March 4th 2022, organised a Technical Talk on the topic Sustainability in the Built environment, the program commenced by 11:50 AM in the R&D Seminar Hall with almost 100 members of UNAI-ASPIRE chapter of VJCET. The session began with a prayer to bring the extreme presence of the Lord almighty. The welcome note was delivered by Ms. Dhilna Biju (Program Committee Head). Our chief guest, Ms. Lee Theres Mathew came up to talk about "Sustainability in the Built environment." Students were able to gain a plethora of information about the need to consider environment protection aspects while development activities are implemented in the state.

As a part of Bodhi 2022, the Annual Tech Fest of VJCET, Vazhakulam, a workshop by the name of 'CYBERWARFARE' was organized on the 19th of May 2022 on the topic Cyber Incident Planning and Response at the Civil Seminar Hall (Room no. D-406). Around 50 participants have taken part in the workshop. The session was led by Mr. Varghese Benny (CEO, Rabbitsquare). The session was started by 10:30am and cover the basics of Ethical Hacking and the steps to prevent illegal sides of it. And it had been concluded by 01:00 pm.

IEDC

During the financial year 2021-22, IEDC-VJCET conducted various programs like Technical Talks, Seminars, and training programs for students. IEDC of our institution organized 'IDEA FEST 2021' for all the students of VJCET. The competition was in 2 tracks : Innovation track and Entrepreneurship track. 80 students participated in the innovation track and 32 students participated in the entrepreneurship track. A cash prize of Rs. 5000/-, RS.3000/- and Rs.2000/- was given to the students who bagged 1st, 2nd and 3rd position respectively. 10 students and 4 faculty members from our college participated

in 'IEDC SUMMIT-2022' held at SJCET, Pala.

Alumni Association

Alumni Association was established in 2005. VJCET alumni association creates and maintains a life-long connection between the college and its alumni whose number more than 7,500. VJCET has a very committed and vibrant alumni network with eight chapters centered at Kochi, Trivandrum, Chennai, Bangalore, Qatar, UAE, Europe and Canada . Alumni are the most trusted brand ambassadors and VJCET is grateful to them for their generous patronage and support.

The Annual Alumni meet was held on 15th January 2022 at online platform and it was well attended. VJCET alumni association president Dr. K. K Rajan welcomed the gathered Alumni and all invitees. Rev. Fr Paul Nedumpurath, Director of VJCET, inaugurated the alumin meet and then delivered the inaugural speech. Dr. Sidharth Shelly, Secretary of VJCET Alumni association presented annual report 2020-21. Mr. Arun K R, Treasurer, presented the balance sheet.

The annual Alumni newsletter was released by Mr. Mridul George, Vice president of alumni association. Mr. Somy P Mathew, Vice Principal , VJCET, felicitated the gathering. The Event was glittered with speeches by the Alumni who shared their experiences. The general body elected the same executive committee for the next one year and approved the bye law for registration as per Section 12 of The Travancore Cochin Literary and Scientific and Charitable Societies Registration Act 1955. The formal meeting was ended up with a vote of thanks by Mr. Arun K R, staff in charge, VJCET Alumni Association.

Alumni association, NSS and ECE department jointly organized talk on "Healthy Habit, Healthy Generation" and Endurance

Run competition on National Olympics day June 23rd.

Induction program for final year students (2018 - 2022 Batch) of VJCET was conducted on 22nd July 2022 through online platform.

As recognition for final year students, the Alumni Association honoured students through the "Best Project Award" from each department with a cash prize of Rs. 3000/- per team in Merit and Farewell Day 2022.

Alumni Sponsored Studio Room is an Air conditioned smart studio room with modern facility sponsored by Alumni association with cost of six lakhs rupees. Facility contains a smart board, high quality camera, desktop writing pads etc. Facilities conducted the online classes, webinars and offline programs of 40 students seat capacity, online and offline training programs. Students and faculties can attend online conference and paper presentation. Studio room was inaugurated by Dr. Mathew Kuzhalnadan, Hon. M.L.A, Muvattupuzha constituency, on 28th April 2022 in the presence of respected dignitaries.

PTA

We are proud to announce that our college has an active PTA with Mr. Francis George serving as the Vice President. The PTA renders all support to the college for its smooth functioning.

Placement Cell

The placement cell of the college arranges Aptitude Training, Soft Skills Training, Infosys Campus Connect Program, classes for Spoken English, language enhancement classes, group discussions, resume corrections, mock interviews and GATE coaching for students.

With the blessings of God Almighty, motivated by our patron His Excellency Mar George Madathikandathil, Bishop of Kothamangalam and with the unstinted support and guidance from Msgr. Dr. Pius Malekandathil, Manager, and Rev. Fr. Paul Nedumpurath, Director, along with the entire management team, the AICTE, the Directorate of Technical Education, the Kerala Technological University and due to the team work of all the staff members of Viswajyothi, parents and last but not the least the students, our institution is marching ahead to attain our vision of "moulding professionals par excellence with integrity, fairness and human values". I humbly conclude and submit this report on this day 22-11-22, with a note of immense gratitude to the Lord Almighty and Viswajyothi fraternity, with an intention to continue the great work of serving humanity with distinction.

**Dr. K. K. Rajan
Principal
Viswajyothi College of Engineering
and Technology, Vazhakulam**



WOMEN EMPOWERMENT

"For most of history, anonymous was a woman."

- Virginia Wolf

It is agonizing that this quote still remains true and is also a reality for many in today's world. The rotten prejudices that isolate women from the mainstream still remain unmoved as rocks. Equality is not voluntary, it is necessary. Sadly, there is little awareness among women themselves about the laws to protect their interest. Women's welfare ought to be viewed in a wider perspective and to get related to the all round development of women in all forms of human activities. Women have now become modern, progressive, educated, dynamic and advanced not only in their living standards but also in their outlook and attitude. While ancient women are products of their circumstances, today's women are struggling to rise above their circumstances. The recent ruling by the Indian Supreme Court that all women, regardless of marital status, can obtain abortions up to 24 weeks into their pregnancies, was celebrated not only by Indian women but from all around the world. This shows that change is possible.

In my opinion, we must break the stereotype that men should respect women because she is a mother, a sister, or a daughter and reinforce the idea that men should respect women because we are equal.

Every word has consequences. Every silence too.
Make your choices right.

Joseph Markose

S6 MEB

**WATCH MORE SUNSETS
THAN NETFLIX.**

Protect peace.

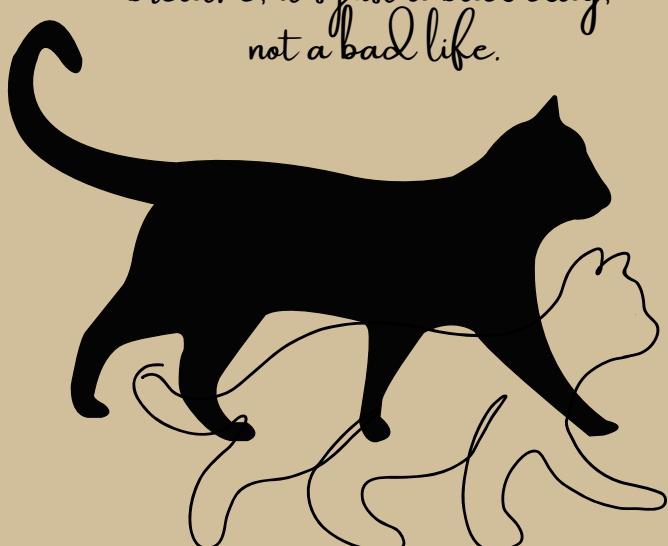
Make sure you fine as hell
on the inside too.



Kindness is so
GANGSTER.



breathe, it's just a bad day,
not a bad life.



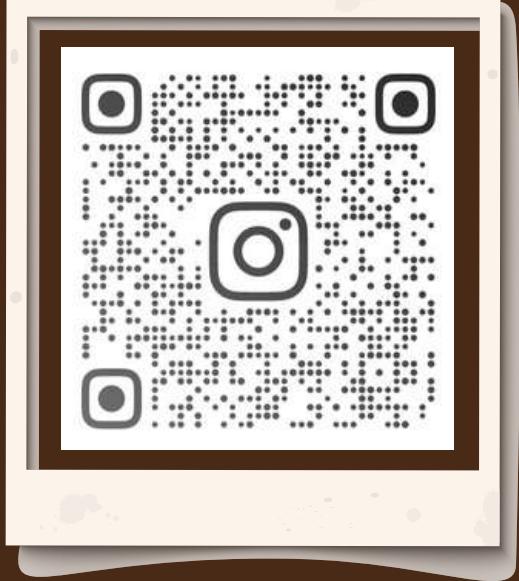
**If someone makes you happy,
make them happier.**



there's so much i wanna say but nah!

~Alin Mary Eldhose
S6 CSE B

I GOT MY DWN BACK.



DOWN THE MEMORY LANE

Department of Information Technology of VJCET has risen far beyond expectations to new heights. In this scintillating journey, 'Information Technology', the crown and glory of Vishwajyothi, leaves behind a chapter of hard work, sincere dedication, glorious achievements, holding hopes and aspirations for a better and more rewarding tomorrow. "IT 2K19 2K23", retracing the events locked in our memories and the hues life frozen in time. It's time to imprint our footprints for some to follow and for others to create new footprints. Let's cascade down the memory lane !

Aleena Wilson
S6 IT
Videography by Ben Raj

A GLIMPSE OF HOPE

**Staring at the twilight blue
As if watching them new
My soul dive into the blue as
Bright eyes wake up to the clue**

**Lost in the dark wood
Hard to trace back home
As if it's against my good
To chase back the dome**

**Vacant thoughts and a handful of dreams
Do not let me sleep
But a shed wing and a shed tear
Do not let me fly**

**A mind down in the dumps
A heart as cold and numb
Still hoping for new life
Still hoping for new vows**

**Today might be a leaf-less winter
Tomorrow will be a blissful spring
No one but I can make it there
To cherish a lifelong smile**

**So I face the Sun
To shower me power**

**So I hug the moon
To cover my fear**

**There I find my way
To hunt down my craves
For no one but I can make it there
To be on the crest of wave**

Ocean facts



The top part of the ocean is warming up around 24% faster than it did some decades ago.

The ocean contains more ancient artifacts than any museum.



We have only explored about 5% of the world's oceans.

The longest mountain range in the world is found under water. Stretching over 56,000km, the Mid-Oceanic Ridge is a mountain chain that runs along the centre of the ocean basins.



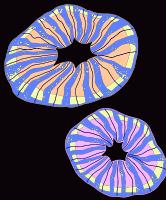
The sea level is rising by 3.4 millimeters per year.

Undersea cables power the global internet.

The sea is home to the world's largest living structure – the Great Barrier Reef. Measuring around 2,600km, it can even be seen from the Moon!



The name Pacific Ocean comes from the Latin name 'Tepre Pacificum', meaning "peaceful sea".



The ocean is blue because of how it absorbs light in the red part of the light spectrum.

Oceans hold nearly 20 million tons of gold.

Minnu Benny
S6 CSE B



QUIZ

The traffic lights at three different road crossings change after every 50s, 75s and 100s respectively. If they start changing simultaneously at 10 am, after how much time will they change again simultaneously?

LCM of 50, 75 and 100 = 300 s.

Traffic lights will change simultaneously after 300 s.

A clock shows 8.30. If the minute hand points to West, in what direction will the hour hand points?

North west

If in a certain language, TABLE is coded as 59012 GRANT is coded as 73945, how is GENTLE coded in that language?

TABLE, GRANT 59012, 73945

Hence, GENTLE→ 724512

One pair of opposite faces of a large cube is painted white, the second pair of opposite faces is painted black and the third pair of opposite faces is painted yellow. This large cube is now cut into 216 small identical cubes. How many small cubes are there with no face painted white at all ?

No white paint at all = Remove the opposite faces each having 6×6 cubes.

So, $216 - 72 = 144$.

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

Six members of a family G, H, I, J, K and L are physician, clerk, lawyer, jeweler, medico and engineer but not in the same order.

- I. Medico is the grandfather of L and he is a physician.
- II. Clerk J is married to G.
- III. I, who is a jeweler, is married to lawyer.
- IV. H is the mother of L and K.
- V. There are two married couples in the family.

What is the profession of K?

K is an engineer. As sex of K and L is not given, so male members in the family cannot be determined. G is the grandfather of K. G is a medico. GJ and IH are the two couples in the family.

L, M, N, P and Q are studying Music, Tennis, French, English and Gitar. They like different food items i.e., pizza, burger, ice cream, alloochat and sandwich. (1) The student who likes ice cream is not studying Music. (2) The student who studies Gitar, likes pizza. (3) M studies English and P studies Music. (4) The student who studies French, does not like alloochat. (5) L likes alloochat and Q likes sandwich. Which student likes ice cream? Which subject does the student study who likes burger? Which food does the student like who studies French? Which subject does the student study who likes alloochat?

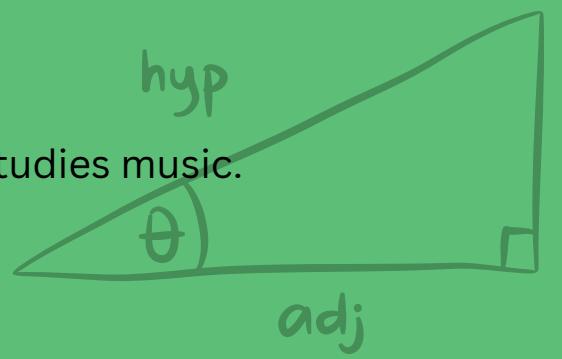
Which subject does N study?

M likes ice cream. P likes burger and he studies music.

Q studies French and he likes sandwich.

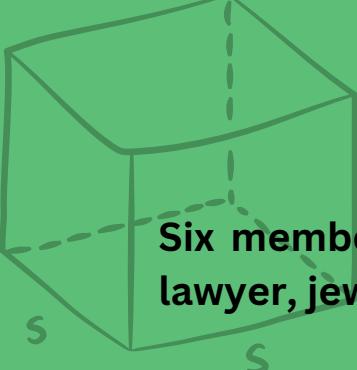
L likes alloochat and he studies tennis.

N studies Gitar.



Riya Vincent
S4 IT

$$\sin(\theta) = \frac{\text{opp}}{\text{hyp}}$$



WHERE YOU LOST?

Its so cool and rainy outside,
But my body is so warm inside.
I was all alone walking outdoors,
And I can see no people next door.
Its so quiet all the way I am walking around,
The road is not good so I decided to take a detour.
I found pleasure in whirl in rain,
Until collision with a body with a silver chain.
I fell down and stared at his face,
My heart started to beat at its full pace,
He lift me up and left away,
My heart saying you can not walk away
His eyes were like crystal moon,
And those eyes were searching for some born.
Don't even know why those eyes are so mysterious,
Searching for him every street feels oblivious.
Thinking of you every night,
You will be the reason for making me alright.
Days are passing, but still I will pray,
Cause, Laav, I will find you one day.

Aina Shibu
S4 IT

Seasons Of You

Frozen sparkles of my memory lane
Turned autumn leaves when you came
Thoughts seemed to break its flow
Words sucked up when your silence dawn
Falling and flying drifting in daze
My eyes to yours locked in your gaze
A little breeze and I shatter down
Dried undone when you wear a frown
Lights and shadows went on to tease
With your summer as they put me at ease
Now it was neither summer nor autumn
The monsoon I prayed for last to come
I sneaked up to take a peak
Waiting for those tears that yearned to speak
But you looked with blank loose eyes
No light, no rain, no glistening lies
You were true, the raw ,deep self
Imperfections flowered your face in itself
And I knew who you were all along
You were my SPRING who won't do me wrong

Meera Susan Regi
S6 CSE B



DAWLAT QATAR

Every single time I go back, Qatar continues to surprise me. As the FIFA World cup is coming up, Qatar has grown or as you can say developed even more. The Hamad International Airport which was awarded as the World's Best Airport was pretty long and I ended up walking a lot.

After coming out of the airport I did not want to waste any time. I just had two days and had a lot to do. My parents picked me up from the airport and we went straight home, left my luggage and went for a delicious English breakfast at Calibre, a fine restaurant in Pearl of Qatar.

Pearl of Qatar, as the name denotes is a man-made island with the shape of a pearl. The Pearl of Qatar is also known as Arabian Riviera and is a famous tourist spot. Having a fine breakfast right in front of a sea gives a pleasant feeling - a good morning, watching the sun slowly going up. After that, I got some quality family time in the car, catching up with my parents. Then went straight to Al Shahaniya, which gives a very different vibe unlike those from the cities. It feels almost as if we went back in time. Both sides of the road are full of sand, sand dunes, I even saw a desert snake (for your information, desert snakes are really poisonous).



Another fun fact that you might want to know would be about camel racing. It is the main hobby of the Arabs in the Gulf region and it happens mainly in Al Shahaniya. The speed of the camels are surprising. Female camels are faster than male camels.

After that we went to a broken fort, a really old one. This fort was built for the Qatari Military in 1938 and it is mainly made of mud and wood. Qatar has a rich cultural heritage and it is best seen in Souq Waqif. Their clothes, spices, oudh, handicrafts and all kinds off Arabic sweets - OMG! It's so yum.

The mesmerizing night lights, slow Arabic songs, dancers, along with long walks through the alley teaches more about the culture and history of Qatar. On side of the Souq is full of pets : dogs, cats, rabbits, birds even falcons, and snakes too. After a day full of eating, walking and learning, I went back home for a good night's sleep.

New day, new morning. I woke up at 5 while my mom packed coffee and sandwiches and we went to corniche to watch the sunrise. It has always been a family custom for us to watch a sunrise, once every year.

The sun slowly peaked between the long commercial buildings. Watching the rays of the sunlight hitting the glass of the buildings by sipping coffee is really an eye soothing view.

Emma Joseph
S6 IT

NIGHT

Night is full of moonlight beauty
Spreading shadowy silence to nature
Twinkling stars decorate the sky
Like fireflies, streetlights glimmer below
Owls are heard hooting here and there
All rest cozy in rooms everywhere
Cool winds blow through empty spaces
In cities, roads are deserted bare spaces
Scattered you see the lonely vehicles
Their light piercing dark places
Adding beauty to all ghostly hazes
I just love the serenity of night
So I stand on the inky road
And bid adieu and sleep abroad

Bhavana Nair

S2 IT





A LOVE LETTER TO MY MOTHER

Dear Mom,

As you know today is mother's day, a day for celebrating motherhood. Today I wish I could be next to you and make this day special for you. I love you, no matter how distant we may be from each other. I always feel like you are around.

I have seen you fight against all odds to make our lives better. The sacrifices you have made for us are incredible. With the potential you had, you could have achieved many things in life but you stayed back just so that we would have a comfortable life. Many a time we were not grateful for all the hard work that you did for us. Today I'd like to apologize for that and say thank you for everything you've given up for us.

For the independent woman I am today you have played a major role in it. You taught me how to face the world on my own and how to stay strong and positive. You taught me to hold on to God in the face of troubles and see Him do miracles. Your words of wisdom have played a major role in sculpting my character.

Motherhood is not an easy thing but you've been handling it so well that it has left me in wonder. Continue to remain the same person you are and inspire many as you did with me and my sisters. I hope you will keep thriving while keeping the kindness and humility that you have always had.

Once again thank you to the iron lady of my life.

With lots of love,

Judith Biju Abraham

S4 IT

REDUCE

REUSE

RECYCLE

RECOVER

REFUSE

POLLUTION - GET A SOLUTION

Pollution is a big environmental issue which everyone must be aware of. The word “Pollution” indicates the presence of unwanted foreign material into something. Hence with reference to Earth, pollution means contamination of our natural resources by different pollutants produced mainly due to human activities. Today pollution is the most significant issue that concerns the health of our environment, especially plastic pollution.

Waste plastic materials are hard to dispose off and contribute to major pollution on Earth. This has become a cause of global concern. It is time we take this problem seriously and work towards eradicating it. Plastic is a non-biodegradable substance. It doesn't get disposed off in soil or water and its effect is worse when burnt.

Because of chemical additives used during plastic production, plastic has potentially harmful effects on human health. Indeed exposure to toxic chemicals coming out of plastic can cause cancer, birth defects, impaired immunity and other health problems. BPA is an organic synthetic compound widely used as a starting material in plastics.

So, it's time for us to stand united to fight this evil called plastic pollution.

**Abhaya Pathrose
S4 CSE B**

KUNGFU PANDA, THE LISTENER

"Your story may not have such a happy beginning but that doesn't make you who you are, it is the rest of the story who you choose to be."

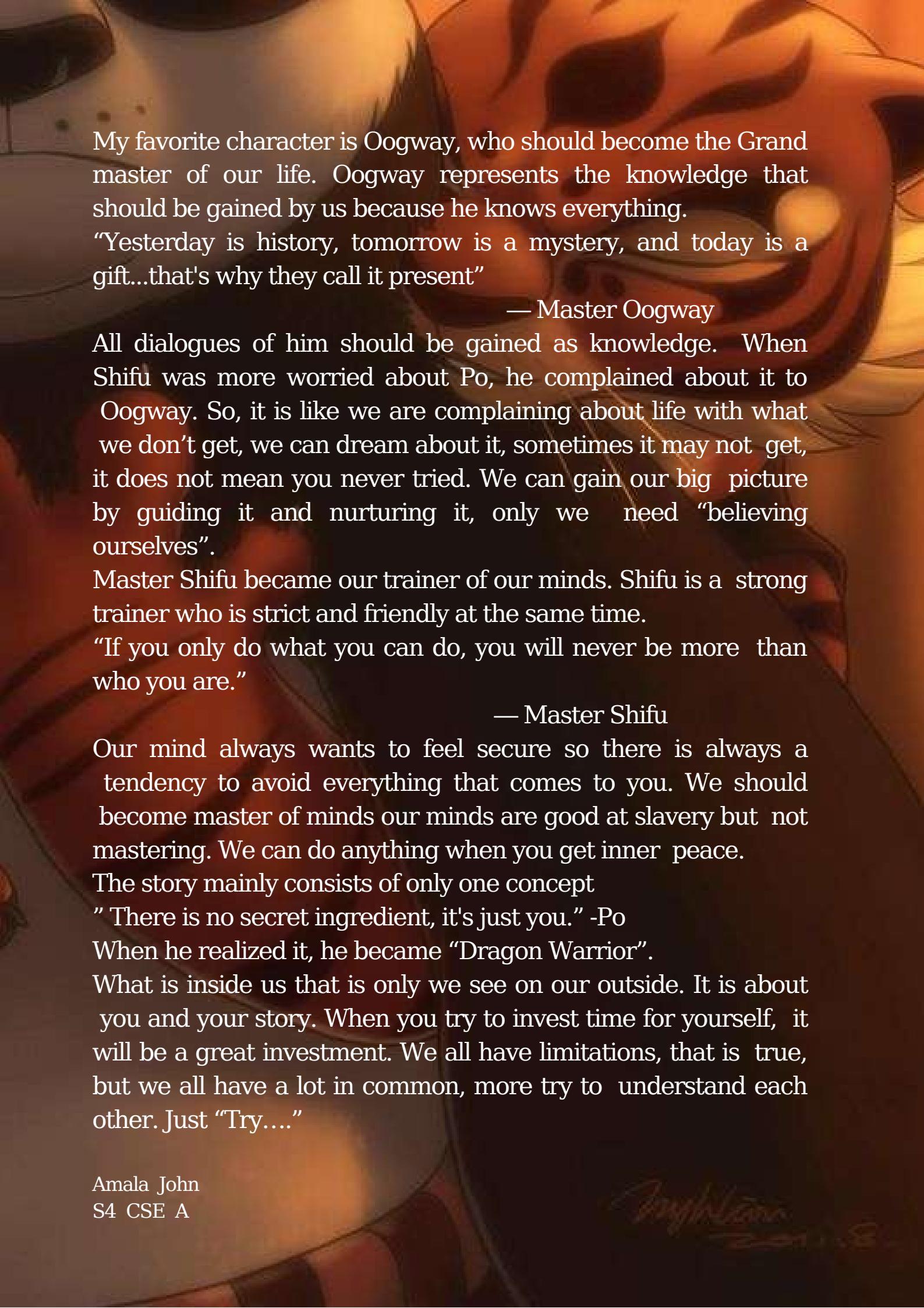
- Soothsayer from Kung Fu Panda 2

Can animated films provide us with inspiration? Of course, it is, as we all know. Kung Fu Panda is one of my favorites and most motivating animated films. In different chapters of this movie, we meet up with different characters such as Grand master Oogway, Master Shifu, The Furious five, Mr. Ping Kai, Lord Shen and many others.

These characters give a good view of our life. First of all, our Po, who is a lazy giant panda and a kung fu fan. When Grand master Oogway chosen Po as "Dragon warrior", in a dramatic way.

This decision angers our Master Shifu and the Furious Five, because of his appearance and clumsiness. When he gets selected, it is an unexpected thing for him and get surprised and confused. He has a lot of self-doubts and during the training period he gets easily tired, gets ragged by The Furious Five and also becomes ready to drop out. Interesting fact is that he always asked "who am I" and also, He always tried to figure it out. This Po personifies us. We all are like Po who have a lot of self-doubts, clumsiness, getting tired, ready to give up and asking ourselves "who am I..".

The Furious Five representing the people around us. Everyone has their own specialties and their own acceptance to us. When Po gets selected, we know that they become judgmental and they are not ready to accept Po as a dragon warrior. It is normal for people to get judged at first, but when we try to understand what they are, they also become an everyday part of our life. Maybe they will become our best friends.



My favorite character is Oogway, who should become the Grand master of our life. Oogway represents the knowledge that should be gained by us because he knows everything.

“Yesterday is history, tomorrow is a mystery, and today is a gift...that's why they call it present”

— Master Oogway

All dialogues of him should be gained as knowledge. When Shifu was more worried about Po, he complained about it to Oogway. So, it is like we are complaining about life with what we don't get, we can dream about it, sometimes it may not get, it does not mean you never tried. We can gain our big picture by guiding it and nurturing it, only we need “believing ourselves”.

Master Shifu became our trainer of our minds. Shifu is a strong trainer who is strict and friendly at the same time.

“If you only do what you can do, you will never be more than who you are.”

— Master Shifu

Our mind always wants to feel secure so there is always a tendency to avoid everything that comes to you. We should become master of minds our minds are good at slavery but not mastering. We can do anything when you get inner peace.

The story mainly consists of only one concept

“There is no secret ingredient, it's just you.” -Po

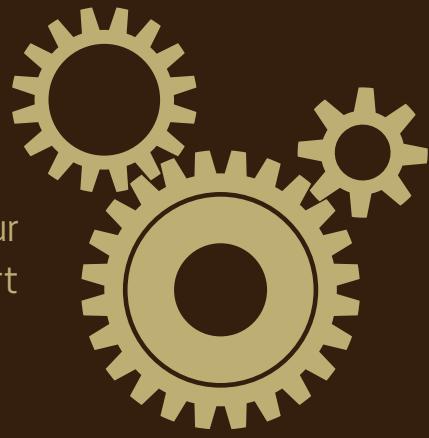
When he realized it, he became “Dragon Warrior”.

What is inside us that is only we see on our outside. It is about you and your story. When you try to invest time for yourself, it will be a great investment. We all have limitations, that is true, but we all have a lot in common, more try to understand each other. Just “Try....”

WOULD YOU RATHER...?

- Be able to see into future or read people's mind?
- Be a witch with magical powers or a superhero with special abilities?
- Be Spiderman or Ironman?
 - Have more money or more time?
 - Have one wish granted now, or three wishes in 10 years?
 - Be the smartest person or the funniest person?
 - Be able to control water or fire?
 - Live your life in reverse or fast forward to the end?
 - Give up music for a month or give up social media for a month?
 - Own a private island or a private jet?
 - Fulfill your biggest wish or resolve your biggest regret?
 - Sneeze all the time or hiccup all the time?
 - Face your fears or forget that you have them?
 - Hear the good news first or the bad news first?
 - Spend your money on clothes or spend money for travels?
 - Give up chocolate forever or give up ice cream forever?
 - Have ocean eyes or a smile like stars?

Alha Mary Jacob
S6 CSE B



"You never change your life until you step out of your comfort zone; change begins at the end of your comfort zone." - Roy T. Bennett

When you are thinking of something extra other than our normal B Tech activities, there are many national and international competitions for B.Tech students that are organized for the skill development and welfare of our students. From my personal experience, I have participated in a couple of events such as Baja, Mega ATV, and a few more. which is all about designing, fabricating, and racing an all-terrain vehicle by the students themselves. When we were at the beginning, we just had the idea that it was nothing but the designing and fabrication of a vehicle. But when the journey continues, we realized that these are just the tips of an iceberg; there will be plenty of challenges along the way. More than that, there are many constraints such as time, decision-making, team management, financial needs, etc., and also so many unexpected problems that we couldn't even imagine. but still one thing is for sure that , there are so much to learn which won't be available in our syllabus and curriculums... we will learn so many skills, have lots of experience, and automatically becomes strong and definitely we will feel the change which is going on in ourselves...we have to face failures and much more especially when it's the first time when we are participating in such an event. which means we should start everything from scratch. It's all about the dedication and hard work of the team. But I'm confident that the hard work we've put in, the blood, sweat, and tears we've shed for this, will one day provide an easy path for students who want to explore this world without too many difficulties. Our vehicle isn't finished yet, but when it is, it will be a milestone for the thing that is thought to be impossible. which is judged by others that we couldn't do it. Yes, of course we should dedicate our time, money, happiness, entertainment, and so on. But trust me, when you start seeing the progress, it's worth it all.

Bharatanatyam

A Reflection of the Past & Evolving Embodiment of Times



Bharatanatyam is the pinnacle of Indian classical dance that brings together music, art and movement through the core of storytelling. This dance form hails from Tamil Nadu, with roots in Tanjore temple where devadasis used to perform. Bharatanatyam is known to present a narrow conception of Hinduism equated with glorified notions of Indian nationalism. Serving as a mirror to past traditions yet a window into future of endless possibilities, this art form's trajectory is of infinite developments that draws upon rich history.

Due to shifting historical contexts, post colonial framework and pioneers of the form, Bharatanatyam has undergone tremendous developments while still managing to stay true to its cultural origin. Its far-reaching international acclaim have enabled it to become a respected global art. Although it may be a reflection of the past, Bharatanatyam like all other art forms displays promise to the future practitioners because of its transformative essence. There will always be stories to tell and the beauty of Bharatanatyam lies in its ability to convey the trials and tribulations of humanity, no matter the era.

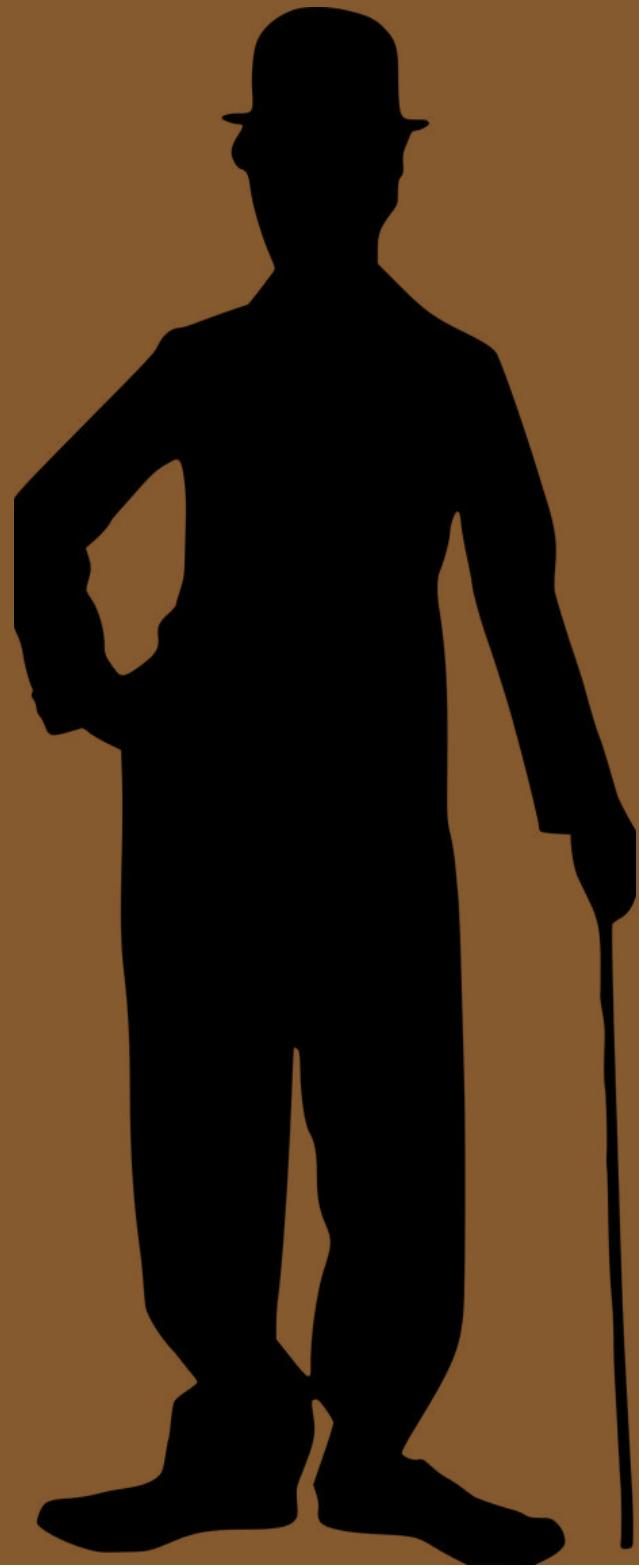
Avanthika R
S6 CSE B



YOU SHOULD HAVE THE WINGS OF A PHOENIX BIRD

Once Charlie Chaplin was addressing the crowd. He said a very witty joke. Soon the hall was filled with laughter. At the next instant, he cracked the same joke again. A very few people laughed this time. For the third time, he repeated the joke. Now no one laughed. Every one looked at Chaplin in a criticizing manner. At that time, Chaplin asked them; "You don't laugh by hearing the same joke repeatedly. Then why do you cry about the same bad event in your life repeatedly?"

We all are humans. We may make mistakes. We may have faced failures. If we are distressed about our failures, we won't progress. We will be stuck there. But we should learn from our failures and mistakes. We should be keen enough not to make the same mistake again. Work hard and rise from our ashes like the Phoenix bird and then we can fly high to get success.



BRAIN DRAIN

അന്യമായിക്കാണ്ടിരിക്കുന്ന ജീവിത മുല്യങ്ങളും,
നാടുകടത്തപ്പെടുന്ന സംസ്കാരങ്ങളും



പിന്ന നാടിന്റെ പാരമ്പര്യങ്ങളും, സംസ്കാരങ്ങളും മുറുക്കപ്പിടിച്ച്, സന്തോഷവും സമാധാനവുമായി ജീവിക്കുക എന്ന പരമ്പരാഗത ജീവിതരീതികളിൽ നിന്നും മാറി, എങ്ങനെന്നെയക്കിലും മരുന്നാട്ടിൽ എത്തണം എന്നത് ഇന്നതെത്ത പുതുതലമുറയുടെ ജീവിതത്തിലെ പ്രധാന ലക്ഷ്യങ്ങളിൽ ഒന്നായി മാറികഴിഞ്ഞു. കുറച്ചു നാൾ ജോലി ചെയ്ത് തുടർന്നു ജീവിക്കാനുള്ള പണവുമായി മടങ്ങണം എന്ന ആദ്യ കാലങ്ങളിലെ വിദേശ തൊഴിൽ യാത്രാ ലക്ഷ്യങ്ങളിൽ നിന്നും വ്യത്യസ്തമായി, കുടുംബ സമേതം തുടർന്നുള്ള ജീവിതം മറ്റു നാടുകളിലേക്ക് പറിച്ചു മാറ്റപ്പെടുന്ന സാഹചര്യങ്ങളിൽ എത്തി നിൽക്കുന്നു പുതിയ തലമുറയുടെ സ്വപ്നങ്ങൾ. അടിസ്ഥാന വിദ്യാഭ്യാസത്തിന് ശേഷം, ഉപരി പഠനം മുതൽ മരുന്നാട്ടിൽ നടത്തി, അവിടെ തന്നെ ജോലിയും തരപ്പെടുത്തി, ആരാജ്യത്തെ പാരതവും കിട്ടിയാൽ ജീവിതം സുരക്ഷിതമായി എന്ന് കരുതുന്നവരുടെ എണ്ണം ദിനംപ്രതി കൂടി വരുന്നു.

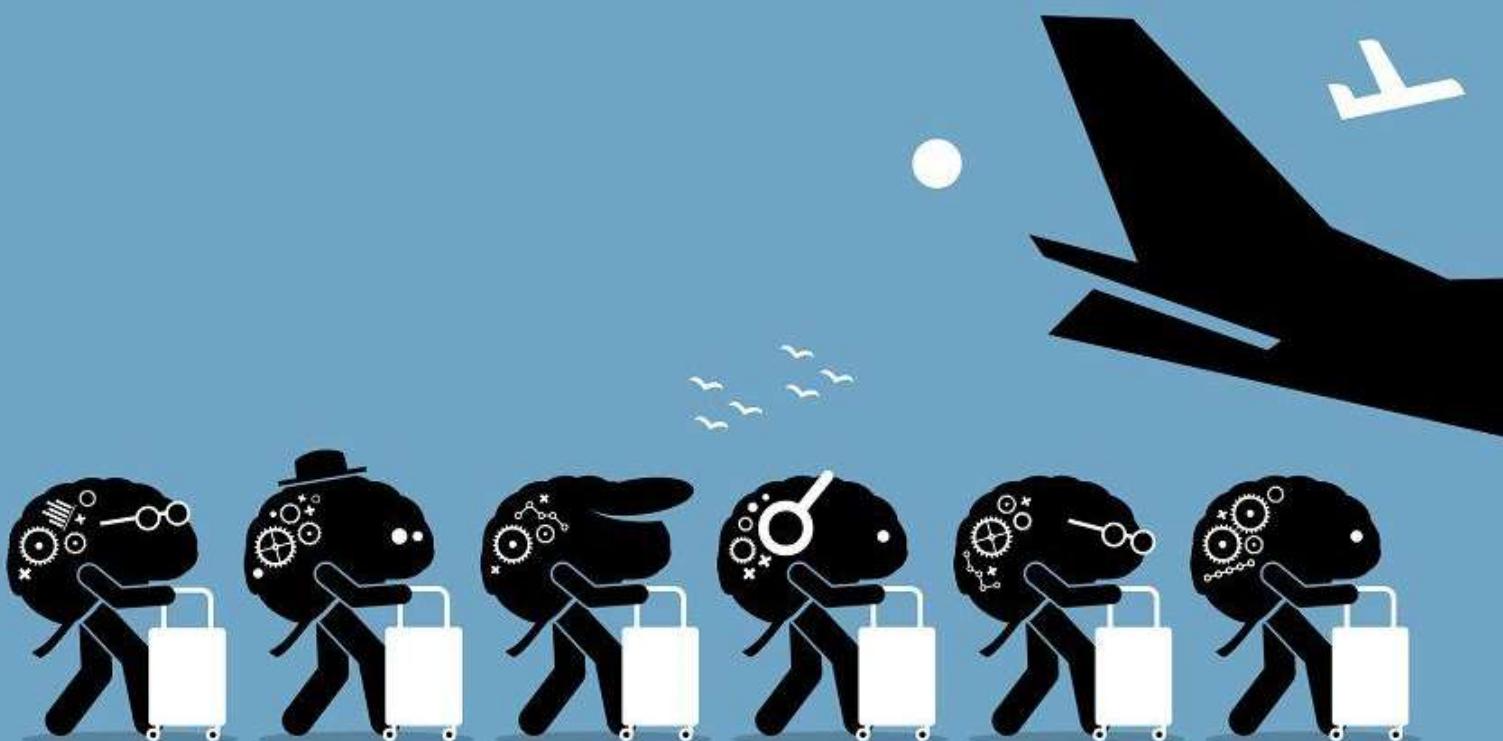
നിവൃത്തികേടിന്റെ പലായനങ്ങൾ

സംസ്ഥാന സർക്കാരിന്റെ പ്രവാസികാര്യ വിഭാഗം ‘നോർക്ക’യുടെ കണക്കുകൾ അനുസരിച്ച് കേരളത്തിലെ മൊത്തം ജനസംഖ്യയുടെ 15 ശതമാനത്തോളം ജീവിക്കാൻ ഒരു തൊഴിലിനായി ഇന്ന് സംസ്ഥാനത്തിന് പുറത്തും, അതിൽ 11 % പേരു രാജ്യത്തിന് പുറത്തും ജീവിക്കുവാൻ വിധിക്കപ്പെട്ടവർ ആണ്. അതായത് നൂറിൽ 15 പേരുകൾ നിവൃത്തികേക്ക കൊണ്ട് നാടു വിദേശി വരുന്നു എന്ന അവസ്ഥ. എന്നെങ്കിലും ഓരോക്കെൽ സ്വന്തം നാട്ടിൽ തിരിച്ചേത്തി നല്ല നിലയിൽ ജീവിക്കണം എന്ന ആഗ്രഹത്തോടെ നാട് കടന്ന്, ഒടുവിൽ പ്രാരാബ്ദങ്ങളുടെ കെട്ടുകൾ ഒന്നാനായി അഴിച്ചു വരുന്നോഫേക്കും, ജീവിതത്തിന്റെ നല്ല ഭാഗവും കഴിഞ്ഞു പോയിട്ടുണ്ടാക്കും. മറുവശത്ത്, വാർധക്യത്തിൽ വിശാലമായ വീട്ടിലെ വിജനതയിൽ ലോകത്തിന്റെ പല ഭാഗത്തായി ചിതറിക്കിടക്കുന്ന മക്കളെ ഓർത്ത്, അവരെ ഒരു നോക്കു കാണാൻ കൊതിച്ച്, വല്ലപ്പോഴും വീഡിയോ കോളുകളിലും അവരെ കണ്ട് തൃപ്തി അടയേണ്ടി വരുന്ന, ഒരുപക്ഷേ അവരെ അവസാനമായി ഓ കാണുവാൻ പോലും കഴിയാതെ കണ്ണടയ്ക്കേണ്ടി വരുന്ന മാതാപിതാക്കളുടെ ദുരവസ്ഥ ഇന്ന് നമ്മുടെ നാട്ടിൽ സർവസാധാരണം. ജീവിക്കാനായി ഒരു തലമുറ നാടുവിദേശി വരുന്നോൾ, നാമറിയാതെതന്നെ അതോടോപം ഒരു സംസ്കാരവും കൂടി നാടുകടത്തപ്പെടുകയാണ്.

കുതിച്ചുയരുന്ന കണക്കുകൾ

വിദേശകാര്യ മന്ത്രാലയത്തിന്റെ കണക്കുകൾ പ്രകാരം കഴിഞ്ഞ രണ്ടു വർഷം കൊണ്ട് ജീവിക്കാൻ വേണ്ടി നാടുവിട്ട നമ്മുടെ യുവ തലമുറയുടെ എണ്ണം 28.51 ലക്ഷമാണ്.

ങ്ങളാലും ഉപജീവനത്തിനായി ഈ സി ആർ രാജ്യങ്ങളിലേക്കായിരുന്നു മലയാളി ചേക്കേറിയിരുന്നതെങ്കിൽ ഈന്ന് കാനഡ, യൂ.കെ, ഓസ്ട്രേലിയ, ന്യൂസീലാൻ്റ് തുടങ്ങിയ രാജ്യങ്ങളിലേക്കാണ് യുവാകളുടെ കുതെതാഴുകൾ. 8 ലക്ഷം മുതൽ 45 ലക്ഷം വരെ വിദ്യാഭ്യാസ വായ്പയെടുത്താണ് ബഹുഭൂരിപക്ഷം പേരും ഇവിടങ്ങളിൽ എത്തിപ്പുടുന്നത്. തെലുങ്കാന, ആറ്റ്യാപ്രദേശ് പോലെയുള്ള മറുസംസ്ഥാനങ്ങളിൽ ഉള്ളതുപോലെ സ്പെഷ്യൽ എജ്യൂകേഷണൽ സേബാൺസിന്റെയും, എജ്യൂകേഷണൽ സിറ്റിസിന്റെയും അപര്യാപ്തതയും, ലോൺ എടുക്കാതെ വിദ്യാഭ്യാസം സാധ്യമല്ലാത്ത കുടുംബ സാഹചര്യങ്ങളുമാണ് ഈ ഭാരിച്ച ബാധകകളിലേക്ക് നമ്മുടെ പുതു തലമുറയെ തള്ളിവിടുന്നത്. State Level Bankers Conference (SLBC)ന്റെ കണക്കുകൾ പ്രകാരം, കേരളത്തിലെ വിദ്യാഭ്യാസവായ്പ് Rs. 9841 കോടി (2019 മാർച്ച്) ആയിരുന്നത് 2022 മാർച്ചിൽ Rs. 11061 കോടി ആയി ഉയർന്നു എക്കിലും, 98% വായ്പകളും മുടങ്ങാതെ റീപോയ്മമെന്ന് നടക്കുന്നു എന്നുള്ളതാണ് ആകെ ആശ്വാസകരം എന്നുപറയാവുന്നത്. വിദ്യാഭ്യാസ വായ്പയുടെ Non-Performing Assets (NPAs) 2019 മാർച്ചിൽ Rs. 1,346 കോടി ആയിരുന്നത് 2022 മാർച്ചിൽ Rs. 922 കോടി ആയി കുറയുന്നു എന്നുള്ളതും, ബാക്കിഞ്ച് മേഖലയിലെ Non-Performing Assets (NPAs) ന്റെ 4.9% മാത്രമേ education loan sector ത്ത് വരുന്നുള്ളു എന്നുള്ളതും പുത്തൻ പ്രതീക്ഷകളാണ് നൽകുന്നത്.



കാണാതെ പോകുന്ന യാമാർമ്മങ്ങൾ

എട്ട് യൂണിയൻ ഭരണ പ്രദേശങ്ങൾ ഉൾപ്പെടെ, 36 സംസ്ഥാനങ്ങളിൽ എറ്റവും ഉയർന്ന സാക്ഷരതാ നിരക്ക് ഉള്ള സംസ്ഥാനമാണ് നമ്മുടെ കേരളം. രാജ്യ ശരാശരിയേക്കാൾ 19% കുടുതൽ സാക്ഷരതാ നിരക്കുള്ള സംസ്ഥാനം. അതോടൊപ്പം, രാജ്യത്തിന്റെ ടൂറിസം മാപ്പിൽ എറ്റവും മികച്ച സാധ്യതകൾ ഉള്ള പത്തു സംസ്ഥാനങ്ങളിൽ ഒന്ന്. എന്നിട്ടും ജീവിക്കുവാനായി നമ്മുടെ യുവതലമുറ അന്നു നാടുകളെ ആശ്രയിക്കേണ്ട സാഹചര്യം നാൾക്കു നാൾ കുടിവരുന്നു. ഇക്കാലയളവിൽ കേരളത്തിന്റെ യുവതലമുറ പുതിയ മേച്ചിൽ പുറങ്ങേശ്ര തേടി പലായനം ചെയ്തപ്പോൾ കേരളത്തിലേക്ക് കുടിയേറ്റം ചെയ്യപ്പെട്ടത് 31 ലക്ഷം അന്നു സംസ്ഥാനക്കാർ. അതിൽ പ്രായപരിധി 20 നും 30 നും ഇടയിൽ 34.6%, 31 - 40 പ്രായപരിധിയിൽ 57%, 40 വയസ്സിനുമുകളിൽ 8.4%.

അവരുടെ വിദ്യാഭ്യാസ നിലവാരത്തിന്റെ അവസ്ഥയാണ് എറെ ചിന്തിക്കേണ്ട മറ്റാരു കാര്യം. 40% അക്ഷരജ്ഞതാനമില്ലാത്തവർ, പ്രൈമറി വിദ്യാഭ്യാസം മാത്രം ലഭിച്ചത് 32.7%, സെക്കണ്ടറി വിദ്യാഭ്യാസം ലഭിച്ചത് 21.7%, ഹൈസ്കൂൾ വിദ്യാഭ്യാസം ലഭിച്ചത് 5% മാത്രം. 1450 കുടിയേറ്റ കുടുംബങ്ങൾ ഇന്ന് സർക്കാർ കണക്കിൽ രേഖപ്പെടുത്തപ്പെട്ടിട്ടുണ്ട്. 2011 ജനസംഖ്യ അനുപാതം വെച്ച് നോക്കിയാൽ 2030 തോന്തരം അന്നുസംസ്ഥാനത്താഴിലാളികളുടെ എണ്ണം 60 ലക്ഷവും കടക്കും. നമ്മുടെ യുവത്യും ‘Brain Drain’ വഴി പാലായനത്തിന്റെ വേഗത കൂടുന്നോൾ, സമാനരമായി ഇവിടെ കുടിയേറ്റം ചെയ്യപ്പെടുന്നത് നിരക്ഷരായ അതിമി തൊഴിലാളികളാണ് എന്നുള്ളത് ദുരഭാവിയിൽ കേരളത്തിന്റെ സാമ്പക്കാരിക പെത്യുകത്തിൽ വരുത്താൻപോകുന്ന മാറ്റങ്ങൾ ആശങ്കാജനകമാക്കുന്നു.



ഉപസംഹാരം

റിസർവ് ബാങ്കിന്റെ കണക്കുകൾ അനുസരിച്ച്, ഇന്ത്യയിൽ ലഭിക്കുന്ന വിദേശ നാണ്യത്തിന്റെ 19% നമ്മുടെ കേരളത്തിൽ ആണ്. അതായത് ഇന്ത്യയിൽ ഏറ്റവും കൂടുതൽ വിദേശ പണം എത്തുന്ന സംസ്ഥാനം. ഉന്നത വിദ്യാഭ്യാസ അവസരങ്ങളും, വിദ്യാസമ്പന്നരായ തലമുറയും ഉണ്ടായിട്ടും, വ്യവസ്ഥാപിതമായ ഒരു ഭരണസംവിധാനമുള്ള കേരളം പോലെയുള്ള ഒരു സംസ്ഥാനത്ത്, ജീവിക്കാൻ നിവർത്തിയില്ലാതെ പുതു തലമുറ നാടു വിടുന്നു എന്നുള്ളത് അതീവ ശുരൂതരമായ ഒരു അവസ്ഥയാണ് എന്നു തന്നെ പറയാം. സത്യത്തിൽ അവസരങ്ങൾ ഇല്ലാത്തത് കൊണ്ടല്ല, മറിച്ച്, അവസരങ്ങൾ പ്രയോജനപ്പെടുത്തി അന്തസായി തൊഴിൽ ചെയ്ത് ജീവിക്കാനുള്ള സാഹചര്യം ഇവിടെ ഇല്ല എന്നുള്ളതുകൊണ്ടാണ്, ജീവിതം കരുപ്പിടിപ്പിക്കാൻ മറു നാടിനെ ആശ്രയിക്കേണ്ടി വരുന്നത്.

വേണ്ടത് സന്ധാരിച്ച്, എന്നെങ്കിലും ഒരിക്കൽ നാടിൽ തിരിച്ചു വരണ്ടെന്നും, ഈ മണ്ണിൽ ജീവിക്കണം എന്നും സ്വപ്നം കാണുന്നവരാണ് ഭൂരിഭാഗവും. പക്ഷേ അന്തസായി തൊഴിൽ ചെയ്ത് ജീവിക്കാനുള്ള സാഹചര്യങ്ങൾ ഇവിടെ എളുപ്പമല്ല എന്നുള്ള യാമാർത്ഥ്യമാണ് പ്രവാസ ജീവിതം തുടരാൻ പലരേയും നിർബന്ധിതരാക്കുന്നതിന്റെ പ്രധാന കാരണം. ലഭ്യമായ ദ്രോതസ്സുകളെ, പ്രായോഗികമായ ലക്ഷ്യത്തിലേക്ക് വേണ്ട നീതിയിൽ പ്രയോജനപ്പെടുത്തുക എന്നതാണ് എഫിഷ്യൻ്റെ മാനേജ്മെന്റ് ശൈലി. ഇത്തരത്തിൽ, നമ്മുടെ നാടിന്റെ സാധ്യതകളായ കൃഷിയും, ടൂറിസമും, നമ്മുടെ സമ്പത്തായ ഉയർന്ന വിദ്യാഭ്യാസമുള്ള തലമുറയുടെ കഴിവുകളെയും അനിച്ച് ചേർത്ത്, പ്രയോജനപ്പെടുത്തുന്ന പ്രവർത്തനങ്ങളിലുടെ മുന്നോട്ട് പോയാൽ, ഈ ദുരവസ്ഥകൾ മാറ്റം ഉണ്ടാകും. അതുവഴി സാങ്കേതിക വിദ്യകൾ അടക്കം വിവിധ വിദ്യാഭ്യാസ പരിശീലനം ലഭിക്കുന്നവർക്ക് അത് ജൗനാടിന് വേണ്ടി തന്നെ പ്രയോജനപ്പെടുത്താനും കഴിയും. ഗണ്ണിതവും, ശാസ്ത്രവും, സാങ്കേതിക വിദ്യയും, നിയമവും ഒക്കെ പരിപ്പിക്കുന്ന സർവകലാശാലകൾ ഉണ്ടായിട്ടും മാത്രം കാര്യമില്ല, അവയെല്ലാം പ്രായോഗികജീവിതത്തിൽ പ്രയോജനപ്പെടുത്തി അർത്ഥപൂർണ്ണമായ ജീവിതം നയിക്കാൻ ഉപകരിക്കുന്ന സാഹചര്യങ്ങൾ ഒരുക്കി കൊടുക്കുക എന്നതും ആർജവമുള്ള ഒരു ഭരണ സംവിധാനത്തിന്റെ പ്രധാന ചുമതലയാണെന്നുള്ള തിരിച്ചുവിവും ഉണ്ടാകണം എന്നതും ഇവിടെ പ്രാധാന്യമർഹിക്കുന്നു.

സിജുമോൻ ഫ്രാൻസിസ്
പി. ആർ. 7

BANOFFEE PIE



recipe

Banoffee pie is a British dessert made from just five ingredients. The word "Banoffee" entered the English language and became used to describe any food or product that tastes or smells of both banana and toffee.

INGREDIENTS

- 3 cups Digestive Biscuit
- $\frac{1}{2}$ cup Unsalted Butter, melted
- 1 tin Milkmaid
- 2-3 Banana (Robust), sliced
- $1\frac{1}{2}$ cups Whipping Cream
- $\frac{1}{4}$ tsp Coffee Powder (optional)

METHOD

1. TOFFEE: Take the milkmaid tin and put it in a pressure cooker. Fill water in the cooker till the milkmaid tin is immersed completely. Cook this in high flame for 50-55 mins. Let this cool for at least 2 hours. We will get a nice golden-brown toffee.
2. Crush the biscuits in a grinder and mix with the melted butter. Take a pan and spread the toffee we prepared and on the biscuit base.
3. Now arrange the sliced bananas on top of the toffee and cover the toffee layer completely.
4. Take the whipping cream and add the coffee powder and mix it till the coffee powder dissolves in it. Now whip this using a hand beater till it becomes stiff peaks.
5. Garnish with some chocolate shavings and chill in the refrigerator for 40 mins.
6. Enjoy this simple desert.





A WAY TO GET KICKED OUT OF YOUR HOUSE

Even though I am one of those who ask permission for the majority of things that I do, I really felt like writing something on this topic. Well.... I know world peace is at stake, metaverse is here, we all are facing economic inflation. etc., but why this topic? Last day, when I was browsing across websites, I found some articles about unfulfilled dreams. They were about those people who have passed their tedious times of life, and now living with wishes that they are unable to resist with. After reading for 15 minutes, I decided that no one I know should ever have a life like that if they have a choice.

"Have you ever read 'Adventures of Tom Sawyer?'". This was one of those questions that I asked to most of my friends. "Man who reads books...", Even if those adventures of Tom are not exactly meant to be tried out, especially in our society, every line of the book screamed independence and fresh air to me. As Gen Z, I know we all are enjoying a lot of independence and bravery. Of course, our social media status and stories are all about tripping, mountain hiking, feeling waves, partying in resorts etc., sure they all are adventurous and boasts liberty but are we all actually free? Are we all able to fulfil the thoughts and questions which came to our mind and went unnoticed? Is freedom all about tripping and partying for our generation?



I know we can't make changes to every single social issue happening around us, I am just talking about the freedom of dreams that every student should have. Dreams, they are indeed powerful weapons, which can trigger not just one heart to run and win the race but which can ignite thousands of hearts to follow and win it if aimed correctly. The world is competing. Everyone is in a race. We all are in a race. Some of us might be running, some of us might be following others, some of us might have gone off track, some of us might still be at the starting position and some of us might be even searching for tracks itself, wherever we are, whichever position we are at, we all are in the field and that's what is important.

Don't compare your positions, it won't help us at all. We are in those positions in field not because we are bad at something or not that good enough. This might be because you have started after another race, or may be you have found another track beyond this to reach the end. There is a famous quote by Einstein : "Life is like riding a bicycle. To keep your balance, you must keep moving." It's absolutely fine to pause and to see the moments and sceneries but it is also important to 'resume' and achieve the dreams. We all may be at nowhere, but remember, "Rome was not built in a day".

Hey everyone, Dream high and achieve. As A. P. J. Abdul Kalam has said "Dream is not that which you see while sleeping. It's something that does not let you sleep". And may this dream be strong enough to kick you out of your house to run and achieve what you want.

**Emlin Mariya Roy
S4 CSE A**

AN IMPERFECT SOUL

When you glow with kindness
The whole world forgets its mess!
For tenderness makes your eyes gleam
Which behold your ardent dreams.
A dream to soothe the broken souls
To fill their voids & make them whole!
For you know how it feels to be overlooked,
'Cause every time with a smile you took the rebuke.
Still you loved yourself a little more,
Each passing day, the higher you wished to soar!
Oh! Your heart yearns to be awake, we know
As you filled it with the promises of the morrow!
So just breathe to stay 'live
In this very moment & to thrive
By the happy places you stumble upon
To discover a heartier version of you, to adorn!

Megha Sara Paul
S4 CSE B

അതിജീവനം

ആടിയുലയുന്നു ജീവിതനാക
എന്തിനെന്നറിയാതെ എങ്ങോടെന്നറിയാതെ
എകിലും മുന്നേരുന്നു മനുഷ്യകുലം
നമ വറ്റാതേതാരാ അതിജീവനത്തിന് പാതയിൽ

മോലങ്ങൾ മഴയായ് താണ്ടിവം കുറിച്ചാരുന്നാർ
ജാതിയില്ലാതെ വിവേചനമില്ലാതെ
ഞാനല്ല നീയല്ല നമ്മളേനോതി
ങ്ങായ് കൈകോർത്തുപിടിച്ചാരു പ്രളയകാലം

പൊലിഞ്ഞു ഓരു മാലാവതൻ ജീവൻ നിപ്പയിൽ
സ്വയം സമർപ്പിച്ചവളെ, 'ലിനി'
സമർപ്പിക്കുന്നു ഓരായിരം ബാഷ്പപുഷ്പങ്ങൾ
ദൈവത്തിന് മാലാവേ നിനക്ക് മുന്പിൽ

വീണ്ടും തളർത്തി കൊരോണയാം മഹാമാരി
പടർന്നുപന്തലിച്ചു ലോകമെമ്പാടും
എത്രയോ ജീവനവൻ ശുന്ധമാകി
ങ്ങരോ നിമിഷവും കാർന്നുതിനുനവൻ

ആരാധനാലയങ്ങൾ അടച്ചുപൂട്ടി
ദൈവങ്ങൾ മനസ്സിൽ മാത്രമായി
ഉണ്ണില്ല ഉറകമെല്ലാതെത്തിക്കുന്നു ആരോഗ്യപ്രവർത്തകൾ
കാലമേ, കണ്ണുകൊൾക്ക, അതിജീവിക്കും നമ്മളീയാതനകൾ

ഇനി വരും തലമുറകൾ ഉരുവിട്ടു
ലോകമൊന്നായി മുഴങ്ങും
മുന്നേരും കരളുറപ്പോടെ നാം
ഈ അതിജീവനത്തിന്റെ ഭൂമി.



THE FUTURE OF URBAN LIVING

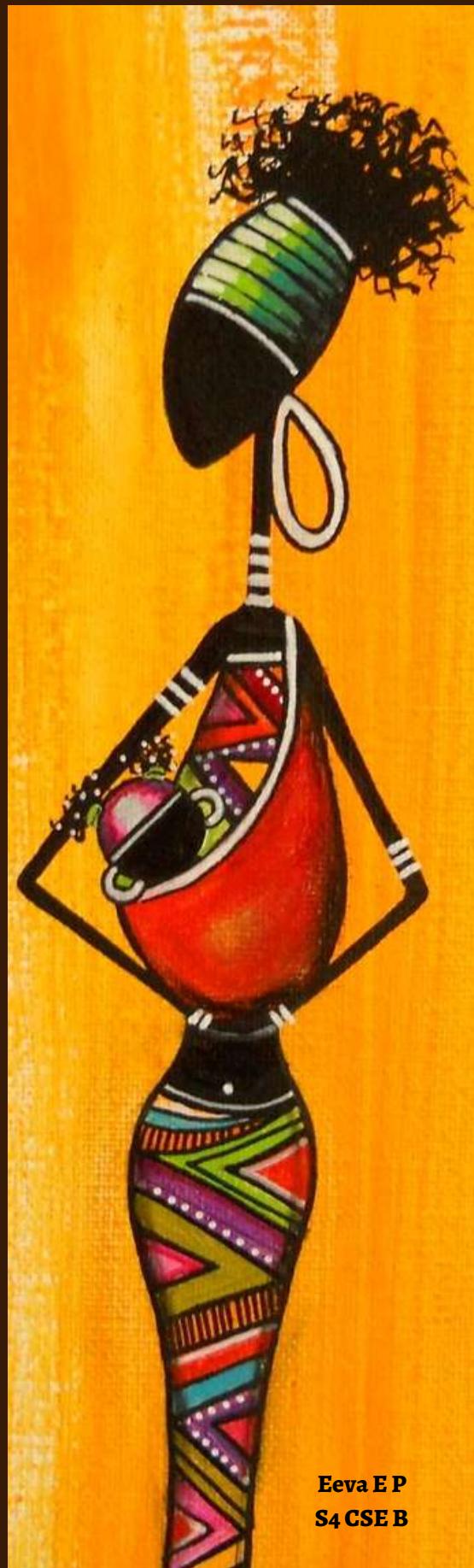
THE LINE is a civilizational revolution that puts humans first, providing an unprecedented urban living experience while preserving the surrounding nature. It is a smart, linear city under construction in Saudi Arabia. It redefines the concept of urban development and what cities of the future should look like.

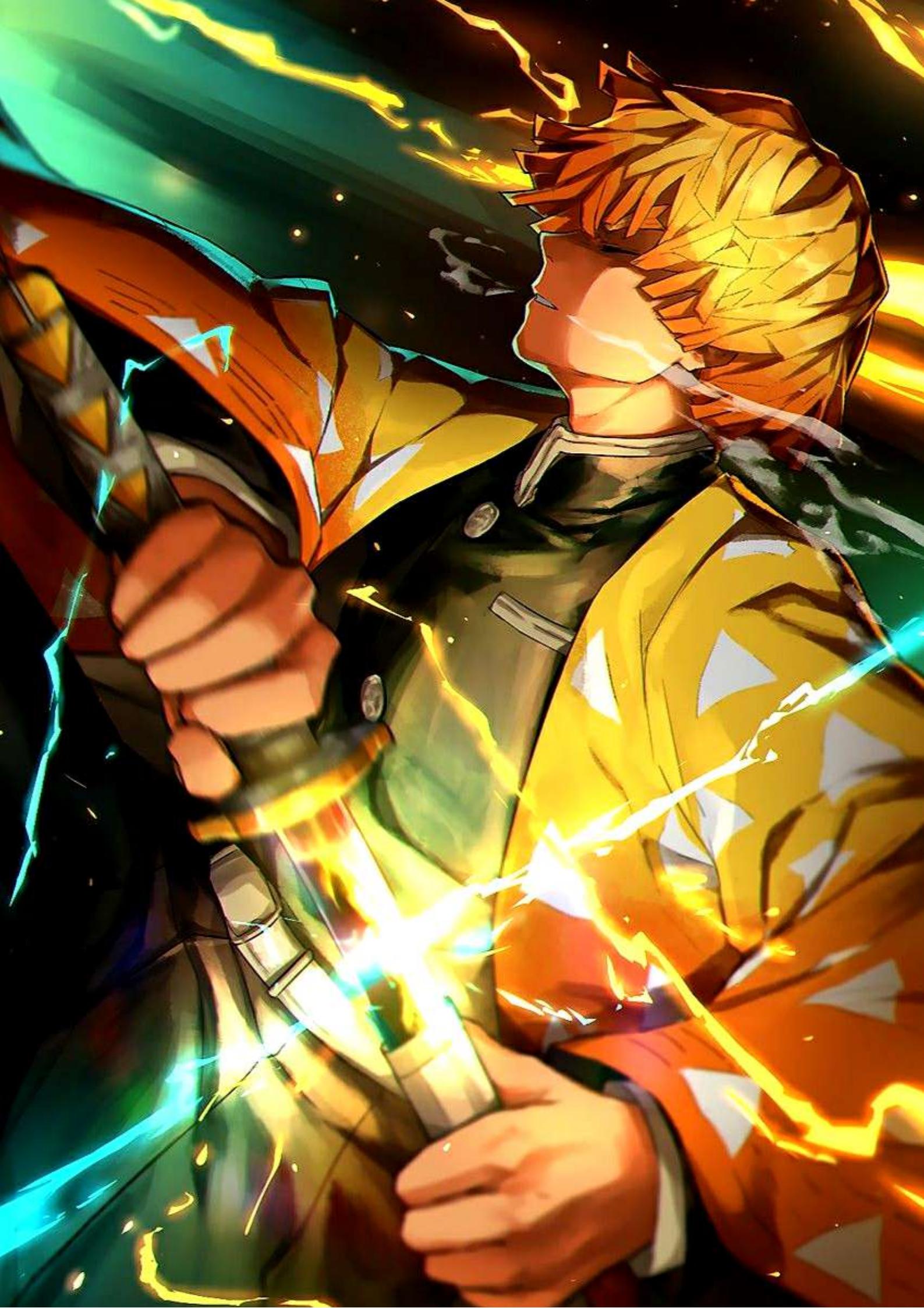
No roads, cars or emissions, it will run on 100% renewable energy and 95% of land will be preserved for nature. People's health and wellbeing will be prioritized over transportation and infrastructure, unlike traditional cities. Only 200 meters wide, but 170 kilometers long and 500 meters above sea level.

THE LINE will eventually accommodate 9 million people and will be built on a footprint of just 34 square kilometers. This will mean a reduced infrastructure footprint, creating never-before-seen efficiencies in city functions. The ideal climate all-year-round will ensure that residents can enjoy the surrounding nature. Residents will also have access to all facilities within a five-minute walk, in addition to high-speed rail - with an end-to-end transit of 20 minutes.

You

A precious moment
When you are with me
A strong wish
To hug you when
You are far from me
My love like blue sky
Wants to embrace you
When you reveal
The value of life
When you reveal
The value of life
When I shed my tears
You, like an angel
Wipe away the sorrows
Pricking in my heart
Life is full of ups and downs
But you taught me
The meaning of ups and downs
You never give a moment
To make me feel sad
In spite of so many difficulties
You find a way
For my better future
So I found no one else
Better than you in this world
To teach me, to console me, to love me
Only you can do it
Only you, My Mom...!





ZENITSU

ZENITSU AGATsuma (我妻善逸) IS A DEMON SLAYER MEMBER OF THE DEMON SLAYER CORPS, AND ALSO ONE OF THE MAIN TRAVELING COMPANIONS OF THE MAIN CHARACTER TANJIRO KAMADO AND ONE OF THE MAIN PROTAGONISTS IN THE KIMETSU NO YAIBA (DEMON SLAYER) SERIES. HE FACED THE TONGUE DEMON IN THE SERIES DEFEATING HIM WHILE HE WAS ASLEEP.

ZENITSU IS IN A CONSTANT STATE OF ANXIETY AND PARANOIA, ALWAYS CRYING AND TRIES TO RUN AWAY FROM THE SIGHT OF RISK.

DESPITE HIS WEAKNESSES, ZENITSU HAS A DRIVE TO MEET THE EXPECTATIONS OF OTHERS AND DREAMS TO HAVE THE STRENGTH TO PROTECT EVERYONE HE CARES ABOUT.

HE KNEW THAT HE WAS A COWARD, HE WAS AWARE OF HIS OWN WEAKNESSES AND WANTED TO CHANGE. HE DIDN'T EVEN REALIZE THAT THAT BECAME HIS VERY STRENGTH. REALIZING YOUR WEAKNESSES AND TURNING THAT INTO YOUR GREATEST STRENGTH IS ONE OF THE CORE LESSONS THAT IS TAUGHT THROUGH ZENITSU'S CHARACTER WHICH IS EXCITING AND MEANINGFUL THE SAME TIME.

"DON'T EVER GIVE UP. EVEN IF IT'S PAINFUL, EVEN IF IT'S AGONIZING, DON'T TRY TO TAKE THE EASY WAY OUT." EVEN THOUGH ZENITSU HAS FELT THAT HE IS A COWARD, THIS QUOTE BY HIM PROVES THAT HE IS NOT A COWARD AND IS CAPABLE TO REALISE HIS DREAMS.

DO ALIENS EXIST?

This is a really interesting question and that organizations like ISRO and NASA have been trying to figure out the answer for a long time. We have not yet discovered life on any other planet, and we do not have any scientifically supported evidence for extraterrestrial life.

But if we think about life on this planet, beyond the big things like elephants, whales, redwoods trees and focus on the tiny things, nearly everywhere on Earth where we look, we will find microbial life.

Our definition of habitable environments continues to expand. We have started our explorations to find life on other planets like Mars. NASA has sent five rovers and four landers to the surface of Mars. But we've only explored a tiny fraction of Mars, which is one of the most promising bodies to look for life in our solar system.

There are icy moons in the outer solar system like Saturn's moon Enceladus and Jupiter's moon Europa that may have subsurface oceans that might be habitable. That is just an example of what is in our solar system. The more exoplanets we explore around other stars, the more we learn about how many different environments could exist for life.

We can't yet say for sure whether aliens do exist.

To quote Carl Sagan : "The universe is a pretty big place. If it's just us, it seems like an awful waste of space."

So, guess we will have to keep looking.

Sharon Jos Johnson
S6 CSE B

May the fireflies
follow you where
the butterflies
do not.



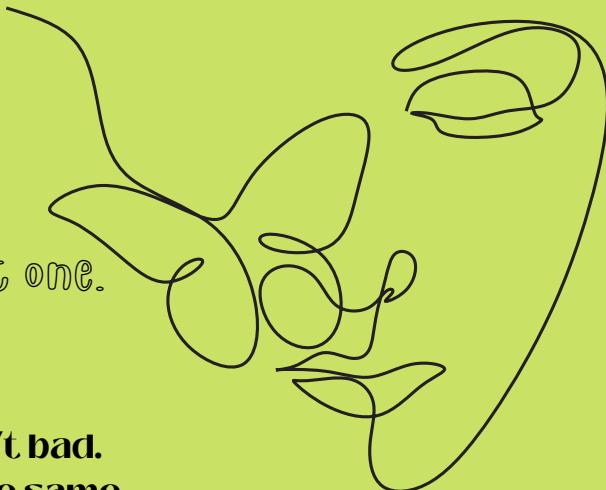
journey onward
toward the mountains.
gathering lessons,
gathering strength,
from all
that you have learned
and all the places
where you've been
for though
it takes a while,
you will make it there
in time.
and all these things
you've gathered
will only help you
as you climb.

but with love comes loss, son.
it's part of the deal,
sometimes it hurts
but in the end
it's all worth it.
there's no greater gift than love.

We could never have loved the earth so well if we had no childhood in it, if it were not the earth where the same flowers come up again every spring that we used to gather with our tiny fingers. What novelty is worth that sweet monotony where everything is known and loved because it is known?

isn't everything we do in life
a way to be loved a little more?

Love you tons.
I love you. 3000.



Sometimes the right path is not the easiest one.

Hope is a good thing.
Maybe the best of things.
And no good thing ever dies.



**different isn't bad.
it's just not the same.**

**YOU GOTTA A DREAM,
YOU GOTTA PROTECT IT.**

"Just because my dreams are
different than yours, doesn't mean
they're unimportant."

And above all,
watch with glittering
eyes the whole world
around you
because the greatest
secrets are always
hidden in the most
unlikely places.
Those who don't
believe in magic
will never find it.

If there is any kind of
magic in this world, it
must be in the attempt of
understanding someone,
sharing something.



In this moment,
I swear,
we are **infinite**

"When will I know I'm ready?"
"You won't. It's a leap of faith."



Here's to the fools who dream.



നിർമ്മിത ബുദ്ധി

നാളെയുടെ സാങ്കേതിക വിദ്യ എന്ന് പറയുന്നത് നിർമ്മിത ബുദ്ധിയും ഷ്ടോക് ചെയ്ക്കുമാണ് എന്ന് നമുക്കേല്ലാം അറിയാം. മനുഷ്യനാൽ നിർമ്മിക്കപ്പെട്ട ബുദ്ധി അമീവ ചിന്താരക്കിൾ എന്നതിനെന്നയാണ് നിർമ്മിത ബുദ്ധി (Artificial Intelligence) എന്ന് ഉദ്ദേശിക്കുന്നത്. മനുഷ്യനെപ്പോലെ സ്വയം ചിന്തിക്കുകയും പരിക്കുകയും, പ്രശ്നപരിഹാരവിവേചനശക്തിയും ഒരു യന്ത്രത്തിനുണ്ടാക്കിൽ ആ യന്ത്രത്തിന് നിർമ്മിത ബുദ്ധിയുണ്ടാണ് പറയാം. യഥാർത്ഥത്തിൽ കമ്പ്യൂട്ടർ മേഖലയിലെ ഏറ്റവും സാർവ്വത്രികവും വളരെ ത്രസിപ്പിക്കുന്നതുമായ ഒരു സാങ്കേതിക വിദ്യയാണ് നിർമ്മിത ബുദ്ധി .

ലോകപ്രശസ്തനായ കമ്പ്യൂട്ടർ ശാസ്ത്രജ്ഞതനായ ആന്റ്രോഡി നഗിൻ്റെ അഭിപ്രായത്തിൽ വൈദ്യുതി നമ്മുടെ ജീവിതത്തിന്റെ ഭാഗമായതെങ്ങെന്നേയാണെന്നുപോലെ നിർമ്മിത ബുദ്ധിയും നമ്മുടെ ജീവിതത്തിന്റെ ഭാഗമായി മാറും എന്നാണ്. നമ്മുടെ ഇപ്പോഴത്തെ ജീവിതത്തിൽ നമ്മൾ അറിഞ്ഞെതാ അറിയാതെന്നേ ചെയ്യുന്ന പല പ്രവൃത്തികളും നിർമ്മിത ബുദ്ധിയുടെ സഹായത്താലാണ്. ഈന്ന് നമ്മൾ ഗൃഹിം സെർച്ച് ചെയ്യുന്നോഴും, റേഡാക്സ് മാർക്കറ്റിലെ ചെറിയ വ്യതിയാനങ്ങൾ തിരിച്ചറിയുന്നതിനും, ട്രാഫിക്ക് പ്രശ്നങ്ങൾ പരിഹരിക്കുന്നതിനും, സിറി, ഗൃഹിം അസിസ്റ്റന്റ്, അലക്ട്രാ തുടങ്ങിയ ആപ്പുകൾ പ്രവൃത്തിക്കുന്നതിനും നമ്മൾ ഉപയോഗിക്കുന്നത് നിർമ്മിത ബുദ്ധിയാണ്. ആണവനിലയം പ്രവൃത്തിക്കുന്നതിനും പുതിയ തൊഴിൽ അവസരങ്ങൾ സൃഷ്ടിക്കുന്നതിനും ഈവ ഉപയോഗിക്കുന്നുണ്ട്.

കമ്പ്യൂട്ടർ ശാസ്ത്രശാഖയുടെ വളർച്ചയോടൊപ്പം തന്നെയാണ് നിർമ്മിത ബുദ്ധിയും വളരുന്നത്. ഈപ്പോൾ കമ്പ്യൂട്ടർ രൂപകൽപ്പന ചെയ്യുന്നത് നിരീക്ഷിത ബുദ്ധിയുടെ വ്യാപ്തി കൂടുതലായി ഉൾക്കൊള്ളിക്കുന്ന രീതിയിലാണ്. നിർമ്മിത ബുദ്ധി അത്രമാത്രം മനുഷ്യ ജീവിതവുമായി ഇഴുകി ചേർന്നിരിക്കുന്നുവെന്നാണ് അത് കാണിക്കുന്നത്.

വാറൻ മക്കക്കേള്ളാക്കും വാൾട്ടർ പീറ്റ്‌സും ചേർന്നാണ് കൃതിമ ന്യൂറോൺ എന്ന ആശയം മുന്നോട്ട് വച്ചത്. മനുഷ്യന്റെ തലച്ചോറ കോടിക്കണക്കിന് ന്യൂറോൺുകളാൽ നിർമ്മിതമാണെന്നും ഈ ന്യൂറോൺുകളുടെ ഒരു ഗണിത ശാസ്ത്ര മാതൃക നിർമ്മിക്കാമെന്നും അവർ അവതരിപ്പിച്ചത് 1943ൽ ആണ്. തുടർന്ന് ഡോണാർഡ് ഹൈൻ്സ് ന്യൂറോൺുകൾ തമ്മിലുള്ള ഒരു ബന്ധത്തെക്കുറിച്ച് പറന്ന നടത്തുകയും അതിനെ ആസ്പദമാക്കി 'ഹൈൻ്സ് ലോണിംഗ് ലോ' എന്ന കമ്പ്യൂട്ടർ ശാസ്ത്രശാഖയിലെ ഒരു നിയമം കൊണ്ടുവരുകയും ചെയ്തു. 1950ൽ അലൻ ട്രൂഡിങ്ങ് എന്ന ശാസ്ത്രജ്ഞൻ ട്രൂഡിങ്ങ് ടെസ്റ്റ് എന്ന ഒരു ആശയം അവതരിപ്പിക്കുകയും അതിൽ ഒരു കമ്പ്യൂട്ടർ അധിഷ്കിതമായ ഒരു തന്ത്രത്തിന് മനുഷ്യന്റെ ഫീല കഴിവുകൾ ചെയ്യാൻ സാധിക്കും എന്ന് തെളിയിച്ചു.

1955-ൽ അലൻ നൈവേൽ, കൂപ്പർ ഷോ, ഹർബർട്ട് സൈമൺ എന്നിവർ ചേർന്ന ലോജിക് തിയോറിസ്റ്റ് എന്ന ഒരു പരിപാടി സംഘടിപ്പിക്കുകയും അത് ആദ്യത്തെ നിർമ്മിത ബുദ്ധി അടിസ്ഥാനമാക്കിയ പരിപാടിയായി കണക്കാക്കപ്പെടുകയും ചെയ്തു. 1956-ൽ DSRPAI (Dartmouth Summer Research Programme on Artificial Intelligence) എന്ന ഒരു സമേഖനത്തിൽ വിവിധ മേഖലയിലുള്ള ശാസ്ത്രജ്ഞരെ അണിനിരത്തി നിർമ്മിത ബുദ്ധിയുടെ സാധ്യതകളെക്കുറിച്ച് ഒരു ചർച്ച നടത്തുകയുണ്ടായി. ഈതിനെ തുടർന്ന് 1957 മുതൽ 1974 വരെ നിർമ്മിത ബുദ്ധിയുടെ മേഖലയിൽ വലിയ മുന്നോറുമുണ്ടായതായി കാണാം. 1966-ൽ ജോസഫ് വെയ്സന്റോമിൻ്റെ ELIZA എന്ന ആദ്യത്തെ ചാർഡ്സോറ്റ് അവതരിപ്പിക്കപ്പെടുകയും തുടർന്ന് വിവിധ ഗവേഷണ സ്ഥാപനങ്ങൾ നിർമ്മിത ബുദ്ധി എന്ന ശാഖയ്ക്ക് കൂടുതൽ പണം അനുവദിക്കുകയും ചെയ്തു. 1973-ൽ ജപ്പാനിൽ WABOT - 1 എന്ന ഒരു രോബോറ്റ് നിർമ്മിത ബുദ്ധി അടിസ്ഥാനമാക്കി നിർമ്മിച്ചു. അതിന് കൃതിമ കണ്ണുകളും കാതുകളും ഉണ്ടായിരുന്നു. ഈ രോബോട്ടിന് ദുരുവും ദിശയും കണക്കാക്കാൻ കഴിയുകയും ചെയ്യുമായിരുന്നു. 1974 മുതൽ 1980 വരെ നിർമ്മിത ബുദ്ധി എന്ന ശാഖയുടെ വളർച്ച മനഗതിയിൽ ആയിരുന്നു. വിവിധ സർക്കാരുകൾ ധനസഹായം കുറച്ചതാണ് കാരണം.

1997-ൽ IBM-ന്റെ 'යීප් ഷൂ' എന്ന കമ്പ്യൂട്ടർ, ലോക ചെല്ല് ചാമ്പ്യൻ ആയിരുന്ന ശാരി കാസ്പരോവിനെ തോൽപ്പിച്ചതോടെ നിർമ്മിത ബുദ്ധി എന്ന ശാഖ കൂടുതൽ കരുതേതാടെ രംഗത്തു വന്നു. 2002-ൽ Roomba Vacuum Cleaner (റൂംബാ) നിർമ്മിത ബുദ്ധി ഉപയോഗിച്ച് നിലവിൽ വന്നു. 2006-ൽ ഫൈസ്റ്റബുക്ക്, ട്രിറ്റ്, നെറ്റ്പ്ലിക്സ് മുതലായ കോർപ്പറേറ്റ് ഭീമമാർ നിർമ്മിത ബുദ്ധിയുടെ ലോകത്തെക്ക് ചുവടു മാറ്റി. നിർമ്മിത ബുദ്ധിയുടെ സാങ്കേതികത ഇന്ന് ഏറ്റവും അധികം ഉപയോഗിക്കുന്നത് ഗുശിൾ, ആമണ്ണാൺ തുടങ്ങിയ കമ്പനികളാണ്.

ഗുശിൾ നിർമ്മിത ബുദ്ധിയുപയോഗിച്ച് കൊണ്ടുള്ള മത്സരങ്ങൾ 2012 മുതൽ നടത്തുകയും ഡීപ് ലേണിംഗ്, ബിഗ് ഡാറ്റാ അനാലിസിസ് എന്ന മേഖലകളും കൂടുതൽ ഉണ്ടാക്കുന്നതാകുകയും ചെയ്തു. ഈ നിർമ്മിത ബുദ്ധിയുടെ സിഷ്ടാറബും ഡීപ് ലേണിംഗിൽ ആണ് നടക്കുന്നത്.

ഒരു കമ്പ്യൂട്ടർ എന്നത് കേവലം ഒരു യന്ത്രമാണ്. മനുഷ്യനാവശ്യമായ ജോലികൾ ചെയ്യാൻ ക്രമമായ പിടയായ നിർദ്ദേശങ്ങൾ നൽകിയാണ് ഈ പ്രവൃത്തിക്കുന്നത്. ഈ നിർദ്ദേശങ്ങളെയാണ് അത്ത്രഗോരിതം എന്നു പറയുന്നത്. മെഴുകിൽ ലേണിംഗിൽ നിരവധി അത്ത്രഗോരിതങ്ങൾ ഉണ്ട്. ഈയുടെ അടിസ്ഥാനം നിർമ്മിത ബുദ്ധിയാണ്.



Artificial Neural Network മനുഷ്യൻ്റെ മസ്തിഷ്കക്കം എങ്ങനെ പ്രവൃത്തിക്കുന്നു എന്നതിന്റെ ഒരു രൂപമാണ്. മനുഷ്യ മസ്തിഷ്കക്കം കോടിക്കണക്കിന് ന്യൂറോൺകളാൽ നിർമ്മിതമാണ്. ഈ ന്യൂറോൺകളുടെ പ്രവൃത്തന ഫലമായാണ് നമ്മുടെ ഓരോ പ്രവൃത്തികളും നിർവഹിക്കുന്നത്. ഒരു ന്യൂറോൺിന്റെ സ്വീകരണി ഭാഗമാണ് ഡെൻഡ്രിറ്റുകൾ. ഒരു ന്യൂറോൺ അനേകം ഡെൻഡ്രിറ്റുകളിൽ നിന്നും ഇൻപുട്ട് സ്വീകരിച്ച് അതിന്റെ ആകെ ഫലം ന്യൂറോൺിന്റെ ആക്സോൺ വഴി മറ്റു ഡെൻഡ്രിറ്റുകളിലേക്ക് നൽകുന്നു. ഈത് ഒരു രാസദ്രാവകമായിട്ടാണ് കൈമാറ്റം ചെയ്യപ്പെടുന്നത്. ഈ രാസദ്രാവകം ന്യൂറോട്ടാൻസ്മിറ്ററുകൾ എന്ന് അറിയപ്പെടുന്നു. ഓരോ ഡെൻഡ്രിറ്റുകളിലേക്കും കൈമാറ്റം ചെയ്യപ്പെടുന്ന രാസദ്രാവകത്തിന്റെ അളവ് വ്യത്യസ്തമാണ്. ഈ പ്രവൃത്തിയുടെ അന്ത്യ ഫലമാണ് നാം ചെയ്യുന്ന ഒരു പ്രവൃത്തി. ഈ പരിത്ത പ്രവൃത്തിയിൽ എല്ലാ ന്യൂറോണുകളും പ്രവൃത്തിക്കണമെന്നില്ല. ചില ന്യൂറോൺ പ്രവൃത്തിക്കുന്നോൾ ചിലത് മുകമായിരിക്കും. ഈ പ്രവൃത്തനങ്ങൾ വിശദമായി പറിച്ചത് ഡോണാർഡ് ഹെബ്ബ് എന്ന ശാസ്ക്രത്തെങ്ജൻ ആണ്. ഈ പഠനമാണ് പിന്നീട് പല ലേണിംഗ് അൽഗോരിതങ്ങളുടെയും അടിസ്ഥാന തത്ത്വമായത്. മക്ക് കളോക്കിന്റെയും ഡോണാർഡ് ഹെബ്ബിന്റെയും കണ്ണഭേദലുകളുടെ ഒരു സംയുക്ത രൂപമാണ് Artificial Neural Network (ANN) എന്ന് വളർച്ചയെ സഹായിച്ചത്.

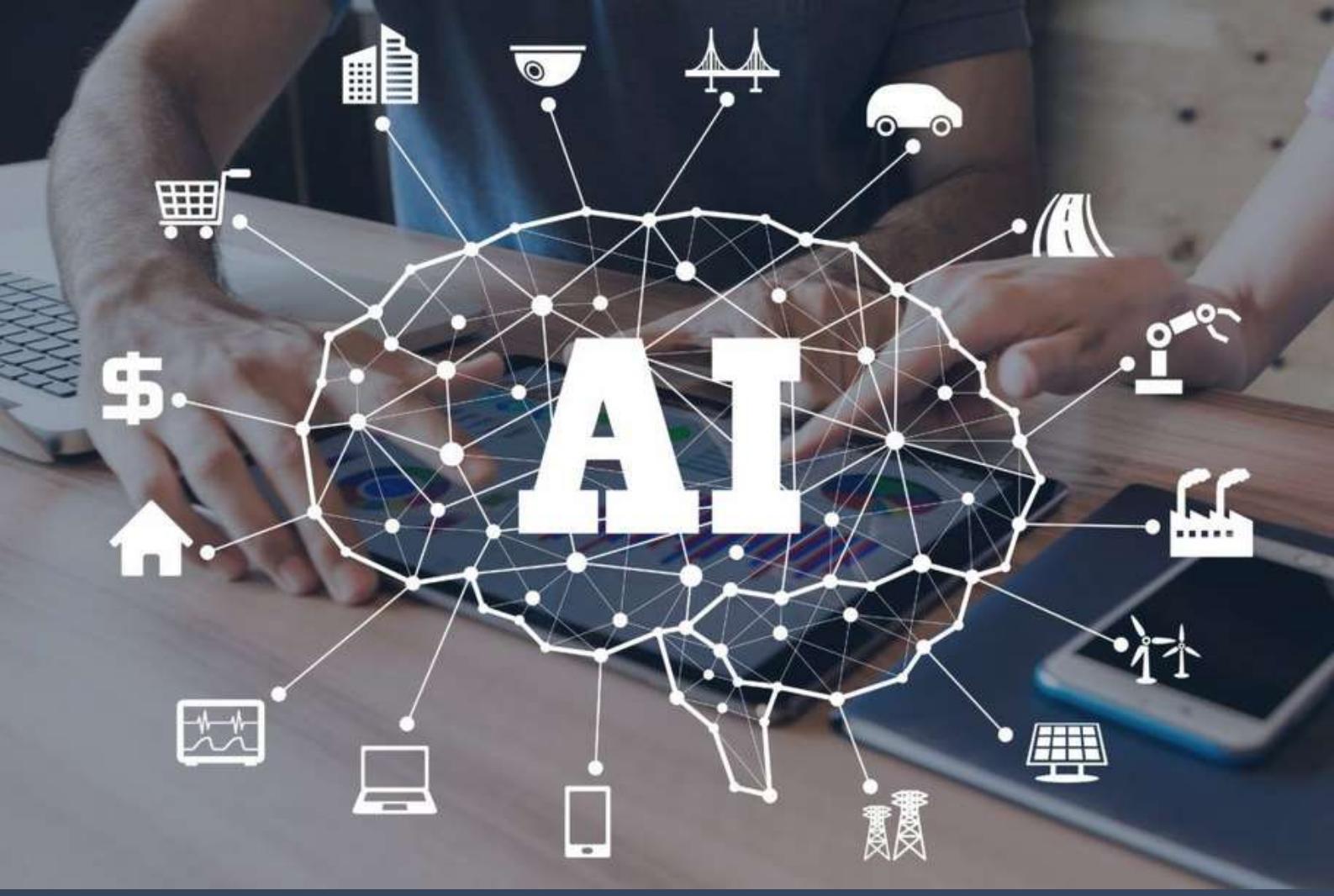
മെഷീൻ ലേണിംഗ്

നിർമ്മിത ബുദ്ധിയുടെ ഒരു ഉപവിഭാഗമാണ് മെഷീൻ ലേണിംഗ് അൽഗോരിതങ്ങൾ. ഈതിൽ സ്റ്റ്രോർ ചെയ്തിരിക്കുന്ന ഡാറ്റയുടെ അടിസ്ഥാനത്തിൽ ആ ഡാറ്റയുടെ സമാനമായ അവസരത്തിൽ വളരെ കാര്യക്ഷമമായ തീരുമാനങ്ങൾ എടുക്കുവാൻ സഹായിക്കുന്ന അൽഗോരിതങ്ങൾ ആണ് യഥാർത്ഥത്തിൽ മെഷീൻ ലേണിംഗ്.

മെഷീൻ ലേണിംഗ് - ചരിത്രം

1949-ൽ പ്രസിദ്ധീകരിച്ച ഡൊനാണാർഡ് ഹൈബ്രിന്റ് പുസ്തകമായ "The Organization of Behavior", മനുഷ്യന്റെ നാട്യികോശങ്ങളെക്കുറിച്ചും അവയുടെ ഉദ്ദീപനവും ആശയവിനിമയവും അടിസ്ഥാനമാക്കി ഒരു പ്രശ്നത്തെ എങ്ങനെ പരിഹരിക്കാം എന്ന മാതൃകകളുടെ കണക്കുകൂട്ടലുമാണ് അതിൽ പരിചയപ്പെടുത്തുന്നത്. 1950-ൽ IBMൽ ആർത്തർ സാമുവേൽ ചെസ്റ്റിന്റെ കരുനീകങ്ങളുടെ തുടർച്ചയെ പ്രവചിക്കുന്ന ഒരു കമ്പ്യൂട്ടർ പ്രോഗ്രാം വികസിപ്പിച്ചു. ഈ അൽഗോരിതങ്ങളെ പൊതുവെ Perceptron എന്ന് വിളിക്കുന്നു.

1957-ൽ ഫ്രാങ്ക് റോസൻ ബാൾട്ട്, ഹൈബ്രിന്റ്റും ആർത്തർ സാമുവേലിന്റും അൽഗോരിതങ്ങൾ സമന്വയിപ്പിച്ചു കൊണ്ട് ഒരു കമ്പ്യൂട്ടർ പ്രോഗ്രാം തയ്യാറാക്കി. ഈ കമ്പ്യൂട്ടർ പ്രോഗ്രാം മനുഷ്യ മസ്തിഷ്കത്തിന്റെ നാട്യികോശങ്ങളുടെ പ്രവൃത്തനത്തിന് സമാനമായിരുന്നു. ഈ കമ്പ്യൂട്ടർ പ്രോഗ്രാം Perceptron എന്നറിയപ്പെട്ടു. ചിത്രങ്ങളുടെ വിശകലനത്തിനും ചിത്രങ്ങളുടെ pattern classification നും ഈ അൽഗോരിതം ഇന്ന് ഉപയോഗിക്കുന്നു. Perceptron ന്റെ ആന്തരീക ഘടനയിൽ മാറ്റം വരുത്തി രൂപീകരിക്കപ്പെട്ട മാതൃകകളാണ് Artificial Neural Networks (ANN). ഈ ANN ഉം മെഷീൻ ലേണിംഗും വികസിപ്പിച്ച് യന്ത്രങ്ങളിലേക്ക് സന്നിവേശിപ്പിച്ചപ്പോൾ ഡീപ് ലേണിംഗ്, നിർമ്മിത ബുദ്ധി എന്നിവയുടെ വിപുലമായ പുരോഗതിയിലേക്ക് നീങ്ങി. ഈപ്പോൾ ഡീപ് ലേണിംഗ് അടിസ്ഥാനമാക്കി അനേകം ഉപകരണങ്ങൾ മനുഷ്യ ജീവിതത്തിന്റെ ഭാഗമായി തീർന്നിരിക്കുന്നു. അതിനുള്ള ഉദാഹരണങ്ങൾ ആണ് ആമ്പോം അലക്സ, സിറി, ഗുഗിൾ അസിസ്റ്റന്റ് എന്നിവ. മെഷീൻ ലേണിംഗ് അടിസ്ഥാനപ്പെടുത്തിയ നിരവധി ഉപകരണങ്ങൾ ഇന്ന് ലഭ്യമാണ്. നമ്മൾ മോണിത് വാക്കുകൾ ടെപ്പ് ചെയ്യുന്നോൾ വാക്കുകളുടെ സൂചകങ്ങൾ തരുന്നത് മെഷീൻ ലേണിംഗിന്റെ ഭാഗമാണ്.



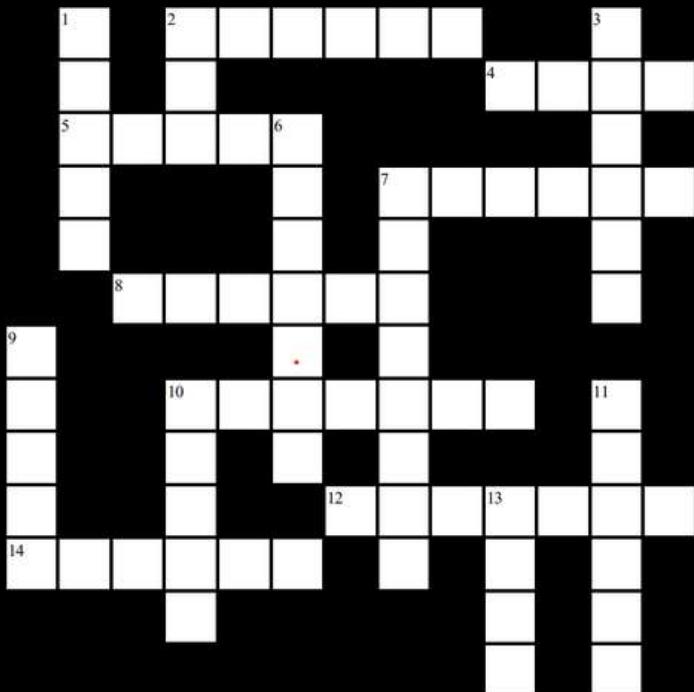
ആഫീൾ വാച്ചുകളിൽ നമ്മുടെ ആരോഗ്യ വിവരങ്ങൾ വിശകലനം ചെയ്ത് ഡോക്ടറുടെ സഹായം തോന്തരം ഓർമ്മപ്പിക്കുന്നത് മറ്റാരുമല്ല മെഷീൻ ലേണിംഗ് അൽഗോറിതം തന്നെ. ഈങ്ങനെ വ്യാവസായിക, സാങ്കേതിക, ആരോഗ്യ രംഗങ്ങളിൽ മെഷീൻ ലേണിംഗിന് നിസ്തുലമായ സ്ഥാനമാണ് ഉള്ളത്. സ്വയം നിയന്ത്രിത കാരുകൾ, ഗൃഖിൾ ട്രാൻസലേറ്റ് സോഫ്റ്റ്‌വെയറുകൾ, ഡാറ്റാ അനാലിസിസ് തുടങ്ങിയ നിരവധി മേഖലകളിൽ മെഷീൻ ലേണിംഗ് ഉപയോഗിച്ചു വരുന്നു.

നിർമ്മിത ബുദ്ധി അടിസ്ഥാനമാക്കിയുള്ള സാങ്കേതികവിഭാഗം വ്യാവസായിക വിഴുവമാണ്. നിർമ്മിത ബുദ്ധികൾ മുന്ന് ലവൽ വികസിതരൂപമാണ് കമ്പക്കാക്സീട്ടുള്ളത്. ഇപ്പോൾ നമ്മൾ ഉപയോഗിക്കുന്നത് Narrow AI ആണ്. ഇതിന്റെ അടുത്ത ലവൽ ആണ് Advanced AI. Wide AI ആണ് മുന്നാമത്തെ ലവൽ. ഇനിയുള്ള കാലം നിർമ്മിത ബുദ്ധിയുടെ ഒരു മേധാവിത്വം ആയിരിക്കും.

Anilkumar R

Dept. of Electronics and Communications

MOVIE CROSSWORD



ACROSS

- 2. A FILM IS DISPLAYED ON THIS. (6)
 - 4. THE STORY OF A FILM. (4)
 - 5. AN ACTOR WHO PLAYS A VERY SMALL ROLE, USUALLY IN THE BACKGROUND. (5)
 - 7. FOREIGN LANGUAGE MOVIES ARE EITHER SUBTITLED OR _____. (6)
 - 8. THE EXORCIST, PSYCHO AND THE SHINING ARE ALL EXAMPLES OF ____ FILMS. (6)
 - 10. LA LA LAND AND LES MISERABLES ARE BOTH ____ FILMS. (7)
 - 12. PEOPLE OFTEN EAT THIS AT THE CINEMA. (7)
 - 14. THE CRITIC WROTE A BAD ____ OF THE FILM. (6)

DOWN

- i. A SMALL PART OF A FILM. USUALLY A PIECE OF CONTINUOUS ACTION. (5)
 2. THE FILM STAR WARS IS ____ IN SPACE (3)
 3. A FUNNY MOVIE. (6)
 6. SCARLETT JOHANSSON AND MERYL STREEP DO THIS JOB. (7)
 7. STEVEN SPIELBERG IS A WORLD FAMOUS ____
 9. TOM HANKS AND DENZEL WASHINGTON DO THIS JOB. (5)
 10. AN AMERICAN TERM FOR FILM. (5)
 11. THE WRITTEN TEXT OF A FILM. AN ACTOR MUST LEARN IT. (6)
 13. ALL THE ACTORS TAKING PART IN THE FILM. (4)

SOLUTION



SPORTS EVENTS





On 3rd January 2022, Viswajyothi College of Engineering and Technology conducted an intra-college Volleyball tournament ‘V-VOLEO’ at 4:30 PM. Dr. K. K. Rajan, Principal of VJCET and Fr. Paul Nedumpurath, Director of VJCET inaugurated this tournament. The event was conducted at Volleyball court near the main auditorium. A flash mob has been staged to give this event a wonderful beginning. It was an awesome and refreshing experience for both staff and students. The duration of the ‘V-VOLEO’ was about 1 hour. The winner of the event was Team MBA.



Viswajyothi College of Engineering and Technology conducted a Men’s doubles Badminton tournament ‘VISMAASH’ for students and staff of VJCET from 26th November 2021 to 23rd December 2021 at the main auditorium of VJCET. The registration fees per head was Rs. 100. Both teams enthusiastically battled to uphold the honor of their respective teams. The first prize for this tournament was Full Alfaham Kuzhimandhi from Le Malabar Café and this was achieved by Nibin and Rojan, faculty members from Mechanical Engineering department. The runners up of this match was Sanju from 4th year Civil and Jeswin from 2nd year IT.



MH League of Viswajyothi College of Engineering and Technology conducted a Football tournament ‘JOGA BONITO’ from 6th December 2021 to 11th December 2021 at VJCET stadium. The competitions were intended to create sportsmanship and to develop a sense of unity among students. The fourth year teams bagged the first prize in the tournament.

ESPERENZA

On 23rd December 2021, Viswajyothi College of Engineering and Technology organized a colorful christmas celebration ‘**ESPERENZA**’. The celebration was held in the college main auditorium. The entire college was beautifully decorated with flowers, lights, posters and models. All the students and faculty members were very excited and full of enthusiasm for the celebration. The ceremony began with a prayer at 10 am and the official function started with a welcome speech by Mr. Mathukkutty Manoj, Chairman of the college union. An official speech was delivered by Dr. K. K. Rajan Principal of VJCET and is followed by vote of thanks by Ms. Ashley Ashok, Vice Chairperson of the college union. After that, Santa Claus dance and carol songs sung by teachers were staged. The staff and the students were completely spellbound with the Christmas celebration. Around 1 pm we started the water drums and DJ party has begun at the main auditorium and it was one of the most memorable moments for all the students.







SIGNAL

SIGNAL was the signature and most anticipated flagship event of IEEE SPS Kerala Chapter co-hosted by Viswajyothi College of Engineering and Technology (VJCET) from 13th May 2022 to 15th May 2022. It was fully funded by IEEE SPS Kerala Chapter. The 3 day extravaganza was filled with networking sessions and cultural nights. Students from various Student Branches came together to foster technological innovation and to discover new ideas. The event was a hub of networking, relationship building and learning. The event included inspiring *Keynotes* and use case-focused sessions to help the candidates meet today's technological challenges while preparing for tomorrow's opportunities.





Way Of Life

On 11th October 2022, an orientation talk was organized at Viswajyothi College of Engineering and Technology. Father Joseph Puthenpurackal addressed the students and talked about the perspectives and morals one should keep to live a meaningful life. The event was held at the college main auditorium. It was a mesmerising experience to the students.

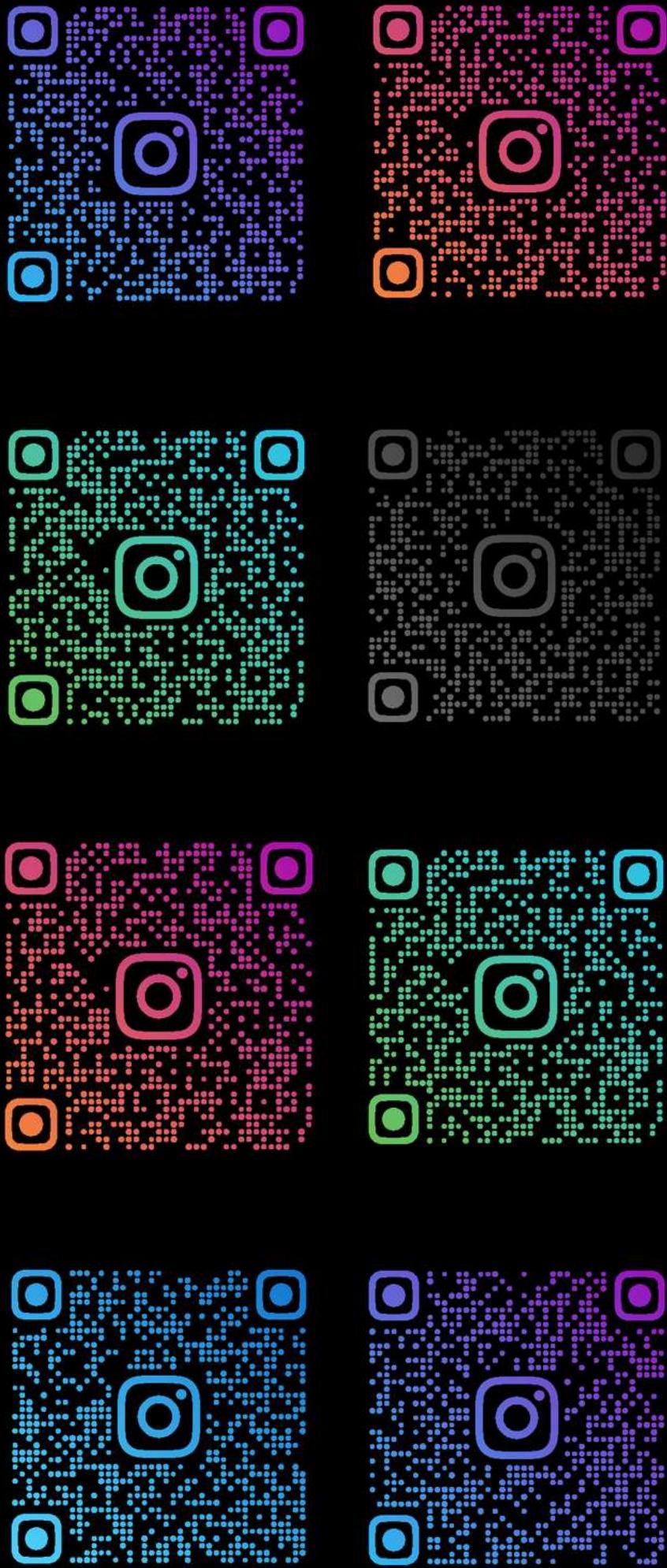


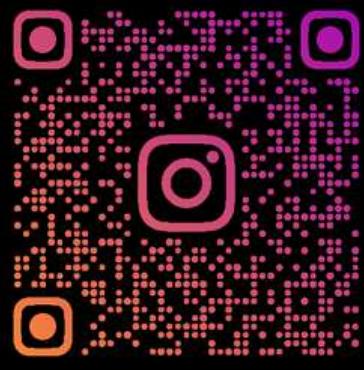
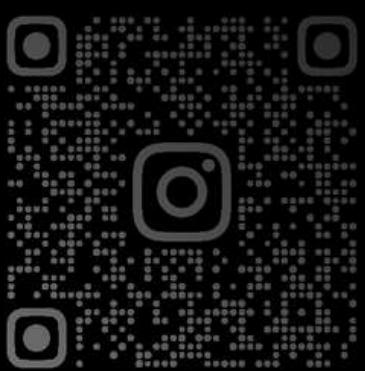
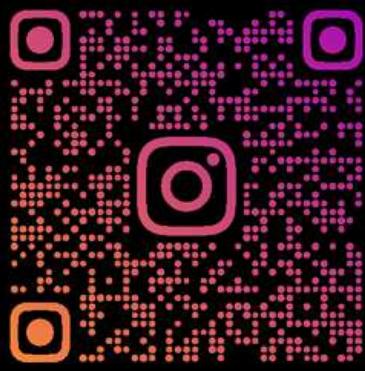
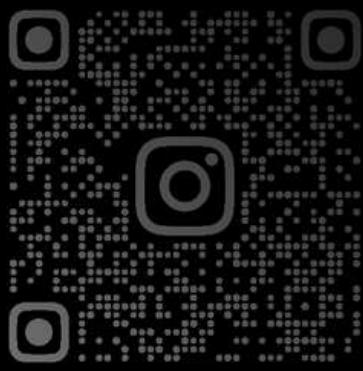
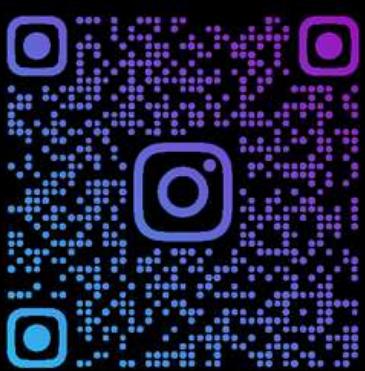
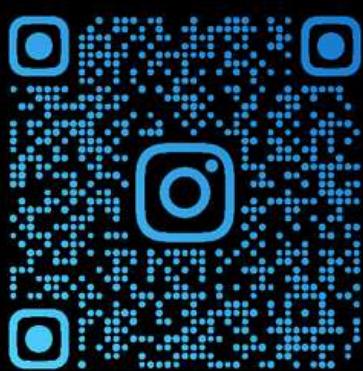
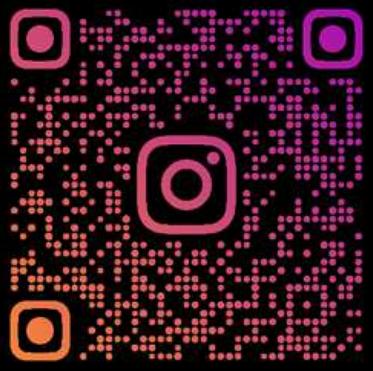
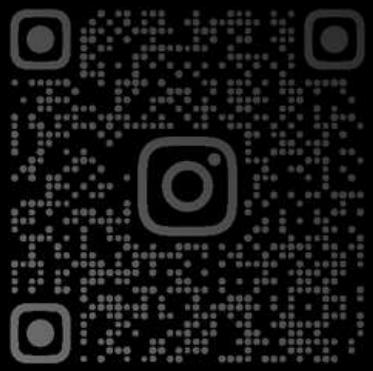
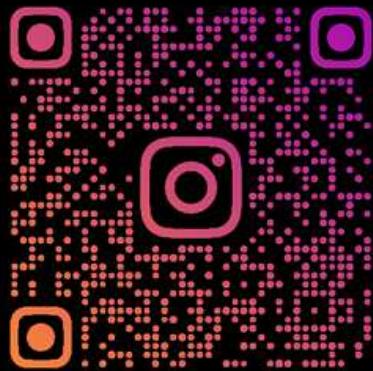
CYBER CRIMES & SOLUTIONS

The student's council of Viswajyothi College of Engineering and Technology organized an expert talk on 'Cyber Crimes and Solutions' on 15 February 2022. Mr. Rishi Raj Singh IPS delivered an eye opening session via Google Meet. The event was immensely successful since students had the opportunity to learn from the distinguished officer. Ms. Jesline Joseph and Mr. Mathukutty Manoj were the staff and student co-ordinators respectively.



THE MYSTERY BOX





FOR BETTER EXPERIENCE, SCAN WITH GOOGLE LENS

MUSIC BAND



Y DRISHYA'22



DRISHYA '22



Ashik Paul
PHOTOGRAPHY



D R I S H Y A

An art is anything that brings the divine experience of aestheticism. Drishya - The two-day-long event, inaugurated by Saniya Iyyapan, was held on 21st May 2022, 10 AM. A proficient group of more than 500 students presented music, dance, poetry and literature, painting, and many more. In order to ensure the maximum participation from every student and to inculcate in them a spirit of competition, all the students are grouped into four houses. Each group is headed by respective teachers. The competitions are conducted house wise. The students actively competed in various on stage and off stage events. The events showcased many creative and attractive talents of the students. The event was finally concluded by Gowry Lekshmi's band performance that turned out to be a great crowd puller. The ardent support from the entire staffs and students made the arts fest a remarkable event.



GL
GOWRY LEKSHMY



Ashik Paul
PHOTOGRAPHY

GL

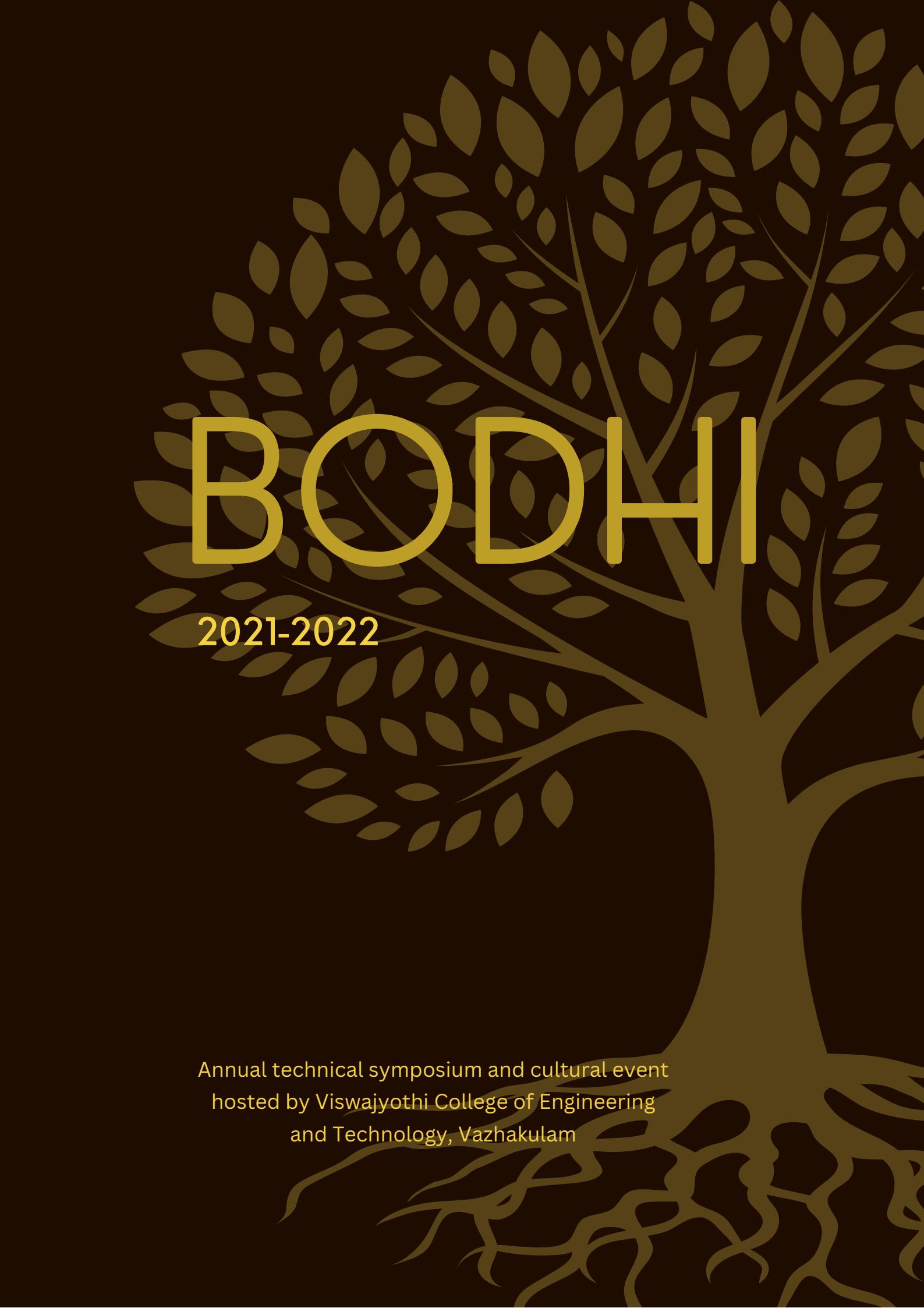
GOWRY LEKSHMY



Mr. & Ms. DRISHYA

Ivin Rafi George & Nimittha Johnny





BODHI

2021-2022

Annual technical symposium and cultural event
hosted by Viswajyothi College of Engineering
and Technology, Vazhakulam

Rajeev M Azhuvath is a consultant in TCS with 15+ years of experience and has performed roles as Technical Architect, Solution Architect, Enterprise Architect and Chief Architect. Presently he is the Chief Architect in the Artificial Intelligence (AI) Program in TCS Digital Enterprise and handles delivery of architecture focused on AI.

Rajeev has in depth experience in handling large scale development programs for couple of fortune 100 companies covering all the phases of software lifecycle.

He is TOGAF 9 Certified.

AZHUVATH



RAJEEV M AZHUVATH

CONSULTANT OF TCS DIGITAL ENTERPRISE KOCHI



RHYTHM

2020-2021



BODHI '22

An event every student of Viswajyothi was looking forward to BODHI 2K22, the two-day technical festival of Viswajyothi. This year's edition of BODHI was held with much fanfare and enthusiasm from 19 May 2022 to 20 May 2022. Mr. Rajeev M Azhuvath, Consultant of TCS Digital Enterprise Kochi, inaugurated the two-day extravaganza. The objective of the event was to create an awareness among the students about the various emerging trends in technology.

As part of BODHI, several technical and cultural events were organized for participants. Tech talk by Clutchless gave a lot of scope and opportunities to learn about new technologies, explore various versions and dimensions of technologies and to implement the practical aspects of technologies thereby improvising the existing technologies.

The second day was made colorful with the moto expo and Violin show by Stephen Mathew. As the event became witnesses of many memorable moments and leads many new thoughts that will be fulfilling as future expectations. The event has been an awesome experience and was enriched with inspiring moments and innovative thoughts.



TORQUE 2022





Talk show on "SUPER BIKES"
By clutchless



COMPUTER SOCIETY OF INDIA

Introduction to UI Design and App Development

The student branch of CSI VJCET has conducted state level workshop on "Introduction to UI Design and App Development " on 19 May 2022 as part of the tech fest.

The workshop was guided by Ms. Arsha J. K., assistant professor of Computer Science department. The team led by Roshan Shaji, included eight members : Sooraj Shaji, Anandhu Vasu, Ajin V. M., Mathew K Shibu, Ann Mary Peter, Bindhiya C Philip, Alan D Andoor and Nelvin Mathew.

Focused on latest UI trends the workshop also provided an overview of Android app development.

Around 110 aspiring students from various institutions participated in the workshop.



A black and white photograph of a person's legs and feet in a dynamic pose, possibly dancing or walking. The background is dark.

N
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**STOP
DRUGS
ADDICTED
BECOME**

**PLEASE
HELP
ME I AM
ADDICTED
ECSTACY**

AMPHETAMINES

COCAINE

CRACK

HEROIN

CANNABIS

GAMMA

HYDROXY-

BUTYRATE

MAGIC

MUSHROOMS

PHOLCODINE

METHYL-

HENDATE

PAIN

KILLERS

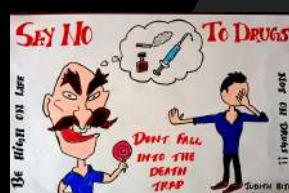
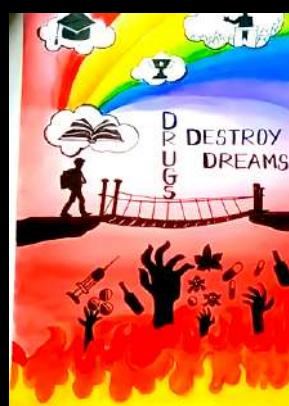
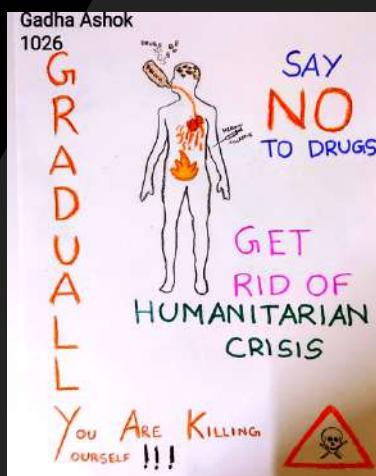
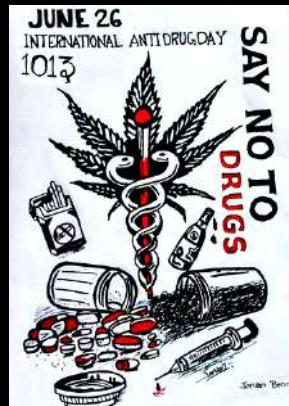
LSD

COCAINE
WEED
RITALIN
ECSTACY
HEROIN
BRAIN

IMAGE MUSHROOMS.COM IMAGE WEED.COM

ANTI DRUG DAY

JUNE 26



NO SMOKING

give blood

LET YOUR
BRAVENESS
SAVE
EVERYONE



Girl's Night Out



THROWBACK



CE A BATCH



CE B BATCH



CSE A BATCH



CSE B BATCH



EEE BATCH



IT BATCH



ECE A BATCH



ECE B BATCH



ME A & B BATCH



MBA



MENIAL STAFF



BUS DRIVERS



2021-2022

BATCH

ACHIEVEMENTS

BEST OUTGOING STUDENTS



For Harigovind S
ME

Devika T S
IT

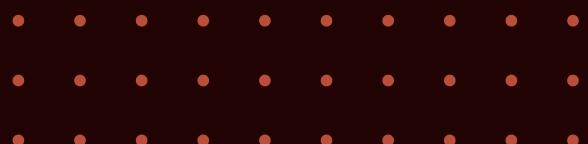
Shahinsha M A
EEE



For Anamika S Nair
CE

Abba Mathews
CSE

Rahul Sajeeth Mohan
ECE



TOPPERS



Anusha Vinod
CE



Aleena Sara Baby
CSE



Anuya Shaji
ECE



Shahinsha M A
EEE



Devika T S
IT



Snobin Mathew
ME

BEST PROJECT GROUP



Andrews Saji, G S Chakochan, Gopu Raj
ECE



Arjun Suresh, Rajan Bobby Geo
IT



Nayan Rajeev, Mathew Raj,
M Krishnaprasadh, Ajesh Shah
ME



Aswin Abraham, Ayyappadas K S,
Basil Eldhose, Dona Mary Rigy
EEE



Kevin Tom, Abin Jose, Sovit Johny,
Anandhu Anil
CSE



Nayan Rajeev, M Krishnaprasad,
Mathew Raj, Ajesh Shah
CE

ART



*"An art should comfort the disturbed and
disturb the comfortable."*



VARGHESE P JOSEPH
S4 CSE A



RICKSON RAPHEL
S2 AD



OBEDH K JOBY
S4 IT



LEKSHMI PRIYA C M
S4 CSE A



ANNA MANOJ
S6 CSE B



P B SRUTHY
S4 IT



LEKSHMI PRIYA C M
S4 CSE A



ABHISHEK
S4 ECE



LEKSHMI PRIYA C M
S4 CSE A



VARGHESE P JOSEPH
S4 CSE A



ABHISHEK S NAIR
S2 CSE B



JEEVAN BENNY
S4 IT



SAJITHA FRANCIS
S4 CSE A



RICKSON RAPHEL
S2 AD



GADHA ASHOK
S4 CSE A



GOPIKA BYJU
S4 CSE A



BRIJIT SAJU
S6 ECE B



ABHISHEK
S4 ECE



ANNA MANOJ
S6 CSE B



ABDULLA ABDUL ASSIS
S2 CSE B



ABHINI M AJI
S6 CSE A



NOYA MATHEW
S4 CSB



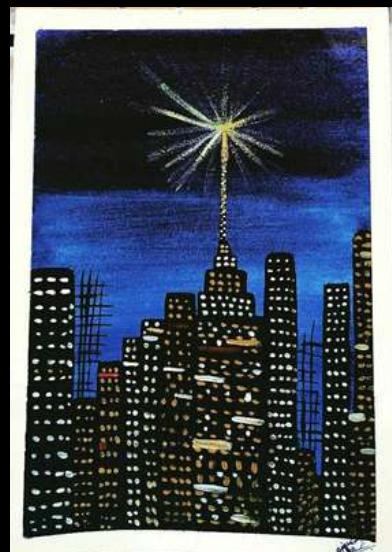
RYAN MATHAI ABRAHAM
S2 AD



NOYA MATHEW
S4 CSE B



LIYA MATHEW
S6 CSE A



NOYA MATHEW
S4 CSE B



RYAN MATHAI ABRAHAM
S2 AD



NOYA MATHEW
S4 CSE B



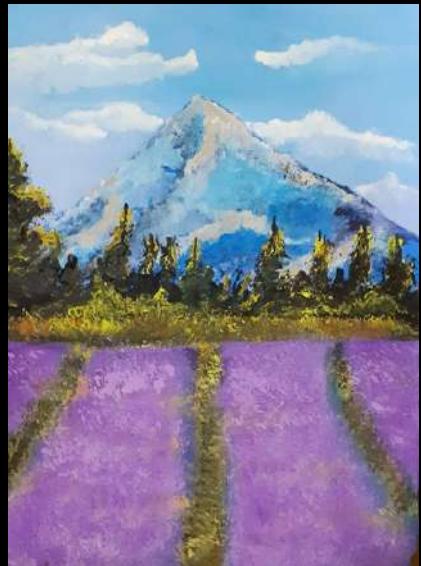
AGNAL ROY
S4 IT



LIYA MATHEW
S6 CSE A



JISHA MARIA JOSEPH
S2 CSE B



ALEENA THOMAS
S2 CSE B



LINTA BABU
S2 CSE A



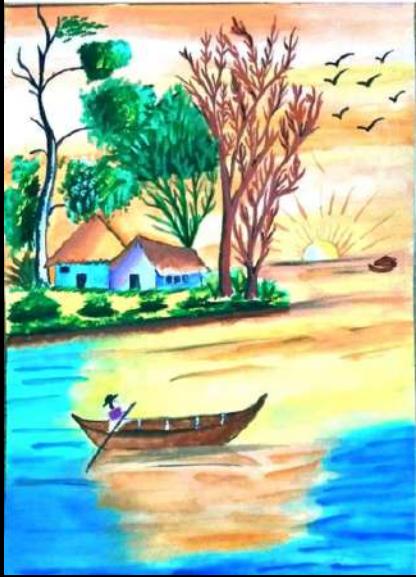
LIYA MATHEW
S6 CSE A



GOURINANDANA S NAIR
S2 CSE B



GOPIKA BYJU
S4 CSE A



LINTA BABU
S2 CSE A



LIYA MATHEW
S6 CSE A



GOURINANDANA S NAIR
S2 CSE B



LINTA BABU
S2 CSE A



JISHA MARIA JOSEPH
S2 CSE B



ALEENA THOMAS
S2 CSE B



GOURINANDANA S NAIR
S2 CSE B



POLAROID



JERALD MATHEWS JOMY
S2 CSE B



GOKUL G NATH
S6 ME



SAMUEL JOSEPH
S4 CSE A



JOYEL RAJU KANNETH
S6 CE A



ATHUL KRISHNA H
S8 CE B



ANANDAKRISHNAN B S2
CSE A



ALAN K BINOVY
S6 EEE



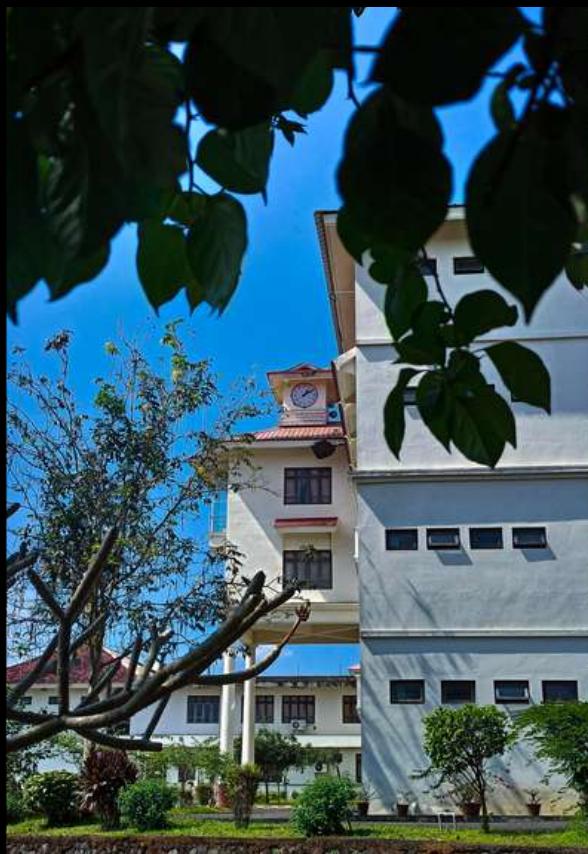
HARIGOVIND S
S8 ME A



ALAN K BINOY
S6 EEE



AKSHAY SHINE KRISHNA
S2 IT



ANANDAKRISHNAN B S2
CSE A



ATHUL KRISHNA H
S8 CE B



APARNA BIJU
S6 ECE B



TEENA VITHAYATHIL
S2 CSE B



ATHUL KRISHNA H
S8 CE B



SAMUEL JOSEPH
S4 CSE A



DION ABRAHAM JORDY
S6 CSE B



ALAN K BINOY
S6 EEE



ASHIK PAUL
S6 CSE B



ATHUL KRISHNA H
S8 CE B



ANAND BYJU
S2 CSE A



ASHIK PAUL
S6 CSE B



ABHISHEK
S4 ECE

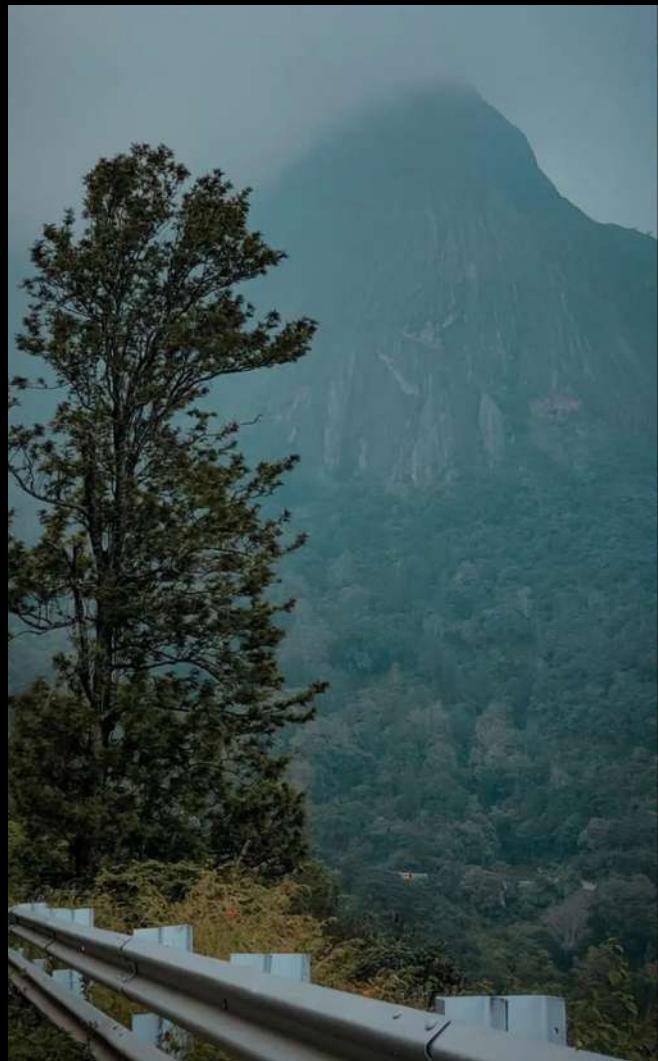


ASHIK PAUL
S6 CSE B



ASHIKPAULPHOTOGRAPHY

ASHIK PAUL
S6 CSE B



ANANDAKRISHNAN B S2
CSE A



KARTHIK SUDEV
S4 IT



DIJO SEBASTIAN
S4 ECE



JOYEL RAJU KANNETH
S6 CE A



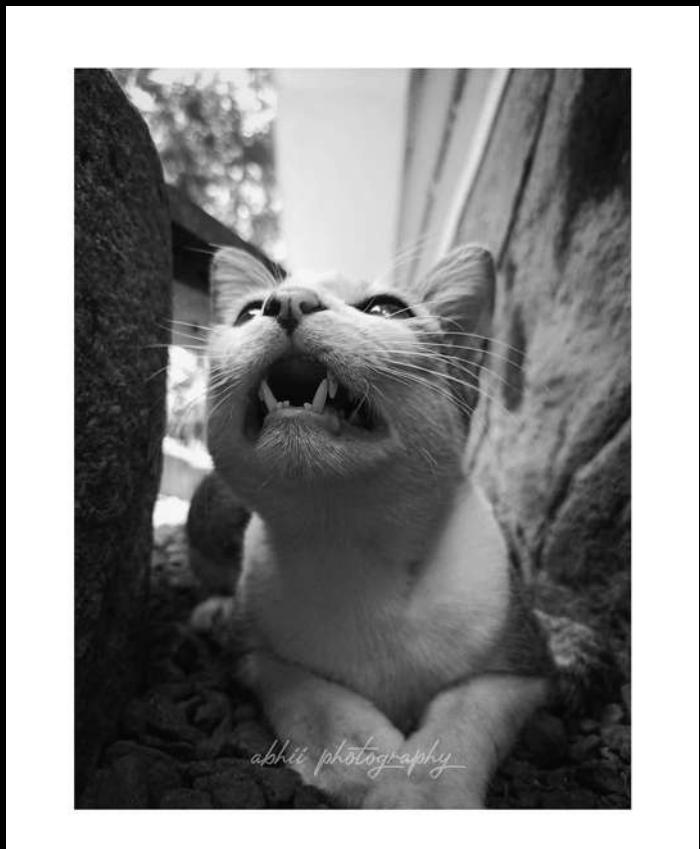
ASHIK PAUL
S6 CSE B



JIYA JOHNSON
S6 CSE B



SAALEM AHAMMED SHUAIBE
S2 CSE B



abhii photography



ABHISHEK
S4 ECE



NEHA GEO
S2 CSE B



@pachwa

ABHIJITH M A
S6 EEE



SOHIT S
S4 CSE A



ADARSH JIN
S4 CSE B



ABHIJITH M A
S6 EEE



ADARSH JIN
S4 CSE B

END OF ERA

2021-2022





make a wish
11:11