



MOHAMED SATHAK

A.J. COLLEGE OF ENGINEERING



CAMPUS CHRONICLES

Newsletter

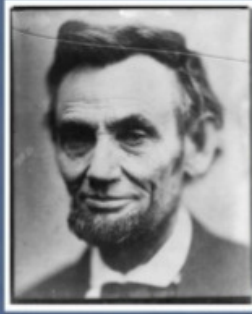
Volume - 4 / 2022-23



*"Learning gives creativity,
Creativity leads to thinking,
Thinking leads to knowledge,
Knowledge makes you great"*

- Dr.A.P.J Abdul Kalam...





“The Best way to predict your Future is to create it.”

— ABRAHAM LINCOLN

INSTITUTE VISION & MISSION

VISION: "To be an eminent institute for higher education and research through innovative teaching-learning and sustainable practices to meet industrial and societal needs."



MISSION: To impart quality technical education by transforming students into professionally competent technocrats.



- To nurture the students in all-round sustainable development, for career and self employability.
- To inculcate critical thinking, professional ethics with civic responsibilities by instilling values.

QUALITY POLICY: MSAJCE committed to create quality professionals through innovative teaching, research, industrial realtions and nurturing human values & ethics to meet the industrial and societal needs on continual improvement basis.



CHIEF PATRON

ALHAJ.S.M.MOHAMED YOSUF CHAIRMAN
MOHAMED SATHAK TRUST

HAJIYANI.S.M.H.SHARMILA
SECRETARY
MOHAMED SATHAK TRUST

JANAB.P.R.L.HAMID IBRAHIM EXECUTIVE
DIRECTOR
MOHAMED SATHAK TRUST

JANAB.MOHAMED SATHAK
CAMPUS DIRECTOR
MOHAMED SATHAK A.J. COLLEGE OF
ENGINEERING

PATRON

Dr.K.S.SRINIVASAN Ph.D
PRINCIPAL

FACULTY MEMBER

Mrs.N.GAYATHRI
ASST.PROF. DEPARTMENT OF CIVIL

MS.R.MUTHUPANDEESHWARI ASST.PROF.
DEPARTMENT OF CSE

Mrs.K.ANUPREYAA
ASST.PROF. DEPARTMENT OF EEE

MS.J.AJEETHA THASNEEM
ASST.PROF. DEPARTMENT OF ECE

MS.PS.SANTHANALAKSHMI
ASST.PROF.DEPARTMENT OF IT

MR.SARAVANAN
ASST.PROF.
DEPARTMENT OF MECHANICAL

MS.BARVEEN FATHIMA
ASST.PROF DEPARTMENT & ENGLISH

THE STUDENT EDITORIAL TEAM

CIVIL -A.MOHAMED FAISAL (III YEAR)
M.MOHAMED HAROON (III YEAR)

CSE - K.ARIVUKARASU (III YEAR)
R.SIJIN (III YEAR)
YAZAR ARAFATH (III YEAR)
MOHAMED JAMEEL ASFER(III YEAR)

EEE – SRI KARTHIK V(III YEAR)
PRASAD.N (III YEAR)

ECE - K.SUHAIL (III YEAR)
A.HAARIS THAMEEM ANSARI (III YEAR)
T.SURYA (III YEAR)

IT - DWARAKA.J.S. (III YEAR)
PRAJESH RAM (III YEAR)

MECH - MOHAMED FAZID.S (III YEAR)
MOHAMED ANWAR.T.S (III YEAR)

S&H- MOHAMED NIYAS (I YEAR)
SUHAIB I (I YEAR)

CHIEF EDITOR

K.SUHAIL(III YEAR)
A.HAARIS THAMEEM ANSARI(III YEAR)
T.SURYA(III YEAR)

REFLECTIONS FROM THE PRINCIPAL'S DESK

'It is a matter of great pride and satisfaction for MSAJCE to bring out the newsletter 'Campus Chronicles'. This newsletter will help us to travel through the activities of MSAJCE in the path of academic, cocurricular and extra-curricular achievements of the students, staff and faculty members that offers a chance to be part of the day-to-day college life for one the past, present and future prospective stakeholders. I congratulate each of them who had won and participated in the events and who have contributed excellent articles for this issue. This will be definitely an inspiration and motivation for the students and staff to perform better and add on the contributions in the forthcoming issues.

I congratulate the editorial board of this newsletter, who took the responsibility for the arduous task most effectively and accomplishing the task in record time. I appreciate the editors, the staff coordinators and the student committee for their meticulous work which is visible in the articles published.

With best wishes,
Dr.K.S.Srinivasan Ph.D
Principal

EDITOR'S DESK

"Imagination is more important than knowledge."

-Albert Einstein

Dear readers,

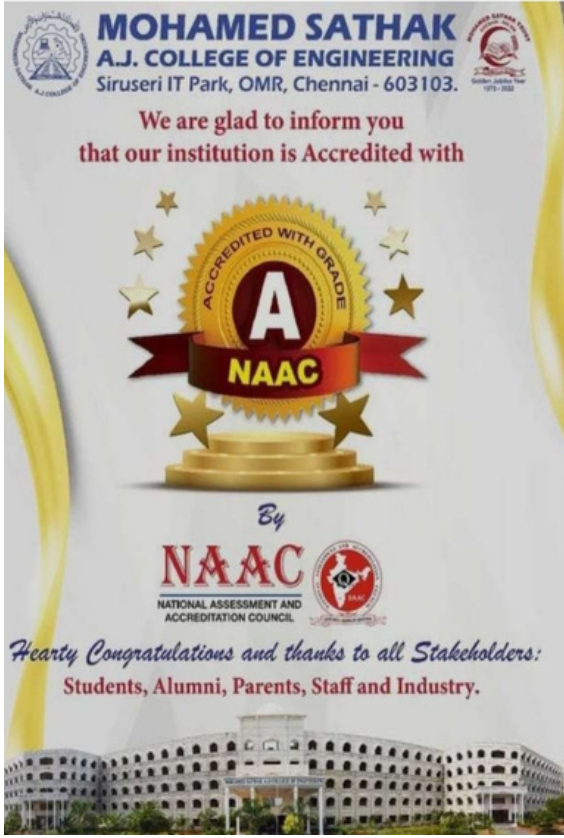
Greeting to you!!

It gives me great joy that our college is bringing out quarterly newsletter, 'CAMPUS CHRONICLES'. The college newsletter mirrors the activities of the institution, development of the students in academic as well as co-curricular activities, which will be a very rewarding experience for the students. We are glad to bring out this edition with thought provoking write-ups, inspiration and information as intended. I, along with my editorial team members, have spent sleepless nights to make this newsletter stand out. This newsletter highlights the achievements and multifarious activities of the college in different spheres in accordance with the lofty vision and mission of the college. I applaud the contributors for their stimulated thoughts and varied hues in articles contributed by them. I am elated to thank our beloved alumni for their sincere support to all the ventures of the college creating a dynamic bond between the college and the alumni.

I whole heartedly thank respected principal and the management for their support in publishing the news letter. I appreciate the brilliant work of my editorial student committee, I thank my editorial team for their support and cooperation. The publication of the newsletter will travel a long way with all your support.

Happy reading,
Dr.S.Devikala Ph.D
Professor/EEE
Head Student Affairs

NAAC “A” ACCREDITATION



We are glad to inform you that our institution is accredited with NAAC “A” grade by the executive committee National Assessment and Accreditation Council (NAAC). Hearty congratulations and thanks to all stakeholders: Students, Alumni, Parents, Staff and Industry. There’s nothing that MSAJCE Family believes in getting young people interested in Engineering and Technology, for a better tomorrow. MSAJCE strives for it and reached the pinnacle.

National Assessment and Accreditation Council (NAAC) is a government organization in India that assesses and accredits Higher Education Institutions (HEIs). It is an autonomous body funded by the University Grants Commission and headquartered in Bangalore.

NAAN MUDHALVAN UPSKILLING PLATFORM | 2023



‘Naan mudhalvan is a massive industry skill enhancement’, flagship initiated by the TN government and the college firmly believes that taking participation in this scheme will widen the scope for students in order to improve their knowledge. The college took initiative and started Naan Mudhalvan with the semester successfully and it's an excellent platform for the students to test their listening skills also. They are not providing courses as value added instead they are giving mandatory courses for engineering students. 18 courses are included in this programme and they are mapped to world-class training partners at no cost.

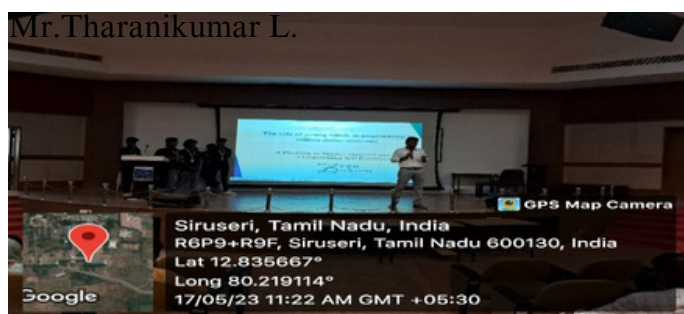
DEPARTMENT OF MECHANICAL ENGINEERING

EVENTS

- Mechanical Engineering department conducted the Guest Lecture on “The Significance of Design in Mechanical Engineering” on 11.05.2023. The Speaker of the event was Pavithran P DP Expert, Petricore Technologies Engineering Services Pvt Ltd and coordinator of the event is Mr.Tharanikumar L.

- Mechanical Engineering department organized workshop on “Hands-On Training On Ultrasonic Non-Destructive Testing” on 11.05.2023. The Speaker and Resource person of the event was Mr.A Agan, Junior Engineer QA/QC, Tecknoweld Alloys India Pvt Ltd and Mr. Shivaramnath K, Senior Testing Engineer, Vibrant NDT Services Pvt.Ltd, Ambattur and coordinator of the event is Mr.J.Rajesh and Mr. A Muhamed Irfan

- Mechanical Engineering Department Organized a Seminar on “ Young Minds- The NXT(Time to Empower yourself)” on 17.05.2023. Resource person of the event was Mr. Prakadesh Subramanian, Founder & CEO, Zero 2 Billion. The coordinator of the event is Mr. Mr.Tharanikumar L.



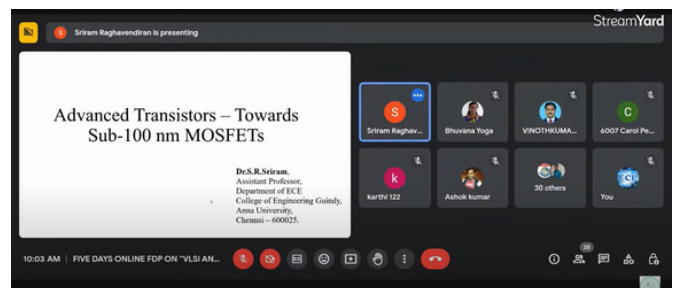
- Mechanical Engineering department conducted the Guest Lecture on “Compounding in Steam Turbine & Gas Turbine Cycles” on 17.05.2023. The Speaker of the event was Dr.G.Muthu, Associate Professor, Department of Mechanical Engineering, Rajalakshmi Institute of Technology, Chennai and coordinator of the event is Mr.Vigneshwaran V.

- Mechanical Engineering department conducted the Guest Lecture on “IOT in Hydraulics and pneumatics” on 17.05.2023. The Speaker of the event was Mr.N.Sivashanmugam, Asst.Pro(SG) & IIC Member, RIT, Chennai and coordinator of the event is Mr.J.Rajesh.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

EVENTS

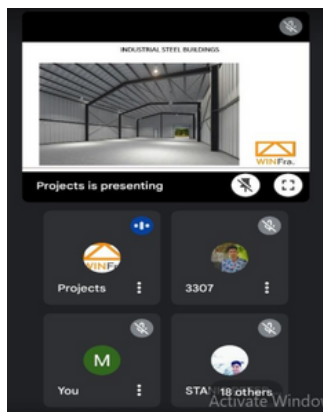
- Department of ECE in association with IETE organized a 5 day online FDP on “VLSI AND CHIP DESIGN” from 10.07.2023 to 14.07.2023.



DEPARTMENT OF CIVIL ENGINEERING

EVENTS

- Civil Department organized a webinar on “ Structural Design of Industrial Building” on 05.05.2023 through G-meet. The Speaker of the event was Mr.Anoop Baby, Managing Director, Winfra. The convener of the event was Dr. R.Someswaran and coordinator Mrs.V.Janaki.



- Civil Engineering department conducted the Guest Lecture on “Construction management- Powerful Tools” on 09.05.2023. The Speaker of the event was Dr.P.Velumani Senior Manager- PMO, L& W Pvt.Ltd, Bengaluru and the convener of the event was Dr.Mohamed Adil Haque and Dr.R.Someswaran and coordinator is Mrs.P.Kavithra

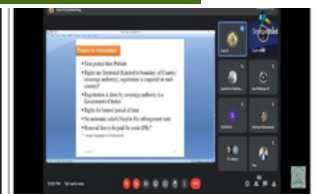


Resource Person Mr. P. Velumani sharing his presentation

- Department of CIVIL associated with ICC organised online Workshop on “Intellectual Property Rights (IPRs) and IP management for start up” on 29.05.2023.



Presentation by Mrs. K. Susi, Assistant Controller of Patents & Design, NIPAM.



Presentation along with 52 participants

FIELD VISIT

YEAR	PLACE	DATE	STAFF COORDINATOR
All 3 year students	Highway Research Station, Guindy, Chennai	04.05.2023	Mrs.V.Janaki Mrs.P.Kavithra
All 3 year students	Prefabricated Yard(Chennai Metro Rail Project) Kolapakkam.	10.05.2023	Mrs.V.Janaki Mrs.P.Kavithra



Prefabricated Yard(Chennai Metro Rail Project) Kolapakkam

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

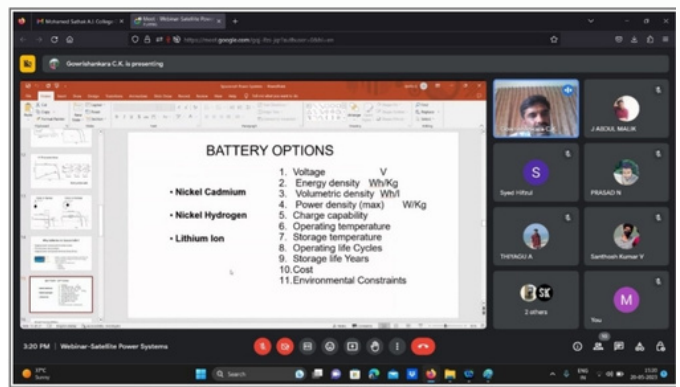
EVENTS

- Department of EEE conducted the Guest Lecture on “Role Of Lightning Arresters in Insulation Coordination” on 20.05.2023. The Speaker of the event was Dr.S.P.Balaji Principal Analyst, KNR Engineers Indis Pvt.Ltd. The convener of the event was Dr.J.Jeha and coordinator is Mr.N.Suresh



Guest lecture deliver by Dr.S.P.Balaji

- Department of EEE organized webinar on “Satellite Power Systems” on 20.05.2023. The Speaker of the event was Er.Gowrishankara CK Head-Human Spacelight Group, ISRO Bangalore. The convener of the event was Dr.J.Jeha and coordinator was Mr.N.Suresh.



Poster Resource Person explaining Satellite Power Systems through Google meet

STUDENTS ACHIEVEMENT

- Mohamed Sathak A J College of Engineering – ROBOTHON – 2023 – IIIrd prize IMRAN.R (10.5.23)



FACULTY DEVELOPMENT PROGRAMME

- Mrs.ANUPREYAA.K – attended one week FDP on “Leading with Generative Design using Autodesk Fusion 360” from 15/5/23 to 19/5/23
- Mrs.ARCHANA.C – attended one week FDP on “Leading with Generative Design using Autodesk Fusion 360” from 15/5/23 to 19/5/23
- Mr.S.V.VINODH has attended TOT Program from 22/05/2023 to 30/05/2023 in Refrigeration , Air Conditioning held at HO GVTS centre under Godrej Good and Green.



- Mr.N.Suresh attended a “TWO WEEK NATIONAL LEVEL VIRTUAL WORKSHOP” on “ADVANCED RESEARCH METHODOLOGY” at SRM, Ramapuram campus from 3rd to 18th July 2023.



- Dr.DEVIKALA – participated in the 6 day National Level FDP “ROLE OF ELECTRICAL VEHICLES IN SHAPING SUSTAINABLE TRANSPORTATION SYSTEM” from 3rd to 8th July 2023 – Sathyabama Institute of Science and Technology.

- Mrs.ANUPREYAA.K – participated in the 6 day National Level FDP “ROLE OF ELECTRICAL VEHICLES IN SHAPING SUSTAINABLE TRANSPORTATION SYSTEM” from 3rd to 8th July 2023 – Sathyabama Institute of Science and Technology.

- Mr.N. SURESH has participated in a "FIVE DAY FACULTY DEVELOPMENT PROGRAM (FDP)" on "RECENT TRENDS IN ELECTRIC VEHICLE TECHNOLOGY" organized by "Department of EEE", Nadimpalli Satyanarayana Raju institute of technology, visakhapatnam from 19-06-2023 TO 23-06- 2023.



STUDENTS PLACEMENT

- Muzammil Haq A IVth Year-EEE – got placed in FACE Prep company as Associate Trainer in our Skill Development Division.(19/07/23)
- Mohamed Rasith IVth Year-EEE – got placed in FACE Prep company as Associate Trainer in our Skill Development Division. (19/7/23)

FIELD VISIT

YEAR	PLACE	DATE	STAFF COORDINATOR
All 3 year students	Mettur Power Station	12.04.2023	Mr.Vinoth.S.V
All 2 & 3 year students	National Institute of Wind	03.05.2023	Mr.N.Suresh



INNOVATION AND INCUBATION CELL

- Innovation and Incubation Forum of MSAJCE organized a workshop on “QUAZR MOTORS EMBEDDED AI” on 30.05.2023



DEPARTMENT OF SCIENCE AND HUMANITIES

- Department of Physics organized a National Level 5 days FDP on “RECENT TRENDS IN SCIENCE AND TECHNOLOGY” from 17.07.2023 to 21.07.2023.



PLACEMENT AND TRAINING

EVENTS

- Our final year students (batch 2020- 2024) undergone 3 months – JAVA Full Stack Development and Soft Skill Training by # Capgemini and #TNSIndia Foundation in order to improve their coding ability and placement opportunity.

- As a part of Institute – Industry Interaction principal Dr.K.S.Srinivasan, Research Advisor Dr.Vijayarangan and Head training and Placement Mr.V.Vigneshwaran attended a session on Skilling implies career conducted by Red hat Academy 5million Dollar Company at Hotel Hilliton.



- Training & Placements , Department of ECE and Department of CSE & IT Jointly organized a National Level Inter-College Competition 2022-2023 “ CODEATHON” on 12.05.2023



DEPARTMENT OF PHYSICAL EDUCATION



Sports and Games is the integral part of our total educational programme. The Physical Education Department at MSAJCE is committed to provided students with a worthwhile and enjoyable learning environment while providing the necessary knowledge and tools to adhere to a lifetime activity and better health.

The training strategies of the Director of Physical Education, Dr.K.P.Santhosh Nathan enables students to understand the importance of sound health and

will be able to recognize the physical and mental benefits.

EVENTS

- International Yoga Day- 2023 was organized on 21.06.2023 at MSAJCE



STUDENT INTERNSHIP

- MAHESWARAN.R got and internship at JFX Media Chennai from 5/7/2023 to 19/7/23.
- VENKATESH.S got and internship at JFX Media Chennai from 5/7/2023 to 19/7/23.
- ABINAYA.V (III YEAR-ECE) got an internship at NLC INDIA LIMITED from 22/6/2023 to 19/7/2023.
- DINESH K.N. (III YEAR-ECE) got an internship at JFX Media Chennai from 5/7/2023 to 19/7/23.
- HUMAIRA NUSRATH.S (III YEAR-ECE) got an internship at ZOHO TECHS Online from 3/7/2023 to 21/7/2023.
- SAFIA FARHEEN Z.R. (III YEAR-ECE) got an internship at ZOHO TECHS Online from 3/7/2023 to 21/7/2023.
- CHITRA.S (III YEAR-ECE) got an internship at ZOHO TECHS Online from 3/7/2023 to 21/7/2023.
- BHAVANI.H (III YEAR-ECE) got an internship at ZOHO TECHS Online from 3/7/2023 to 21/7/2023.
- PAVITRA.S (III YEAR-ECE) got an internship at ZOHO TECHS Online from 3/7/2023 to 21/7/2023.
- ASMA FATHIMA P.T. (III YEAR-ECE) got an internship at ZOHO TECHS Online from 3/7/2023 to 21/7/2023.
- SOWNDHARYA.G (III YEAR-ECE) got an internship at THERMODYN Online from 5/7/2023 to 29/7/2023.
- NANDHINI.K (III YEAR-ECE) got an internship at THERMODYN Online from 5/7/2023 to 29/7/2023.
- SRIKARTHIK.V (III YEAR-EEE) got an internship at NIWE Chennai from 3/7/2023 to 3/8/2023.
- SYED HIFZUL RAHMAN.F (III YEAR-EEE) got and internship at JFX Media Chennai from 5/7/2023 to 19/7/23.
- MOHAMED IZZAT.A (III YEAR-EEE) got an internship at JFX Media Chennai from 5/7/2023 to 19/7/2023.
- ABDUL MALIK.J (III YEAR-EEE) got an internship at ZOHO TECH ONLINE from 29/6/2023 to 11/7/2023.
- PRASAD.N (III YEAR-EEE) got an internship at ACADEMOR FROM 21/6/2023 TO 15/8/2023.
- MOHAMED YUSUF ARSHATH (III YEAR-CIVIL) got an internship at III CONSTRUCTION from 3/7/2023 to 25/7/2023.
- SUHAIL.K (III YEAR-ECE) got and internship at JFX Media Chennai from 5/7/2023 to 19/7/23.
- SURYA.T got and internship at JFX Media Chennai from 5/7/2023 to 19/7/23.


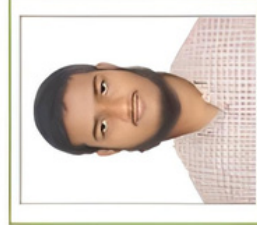





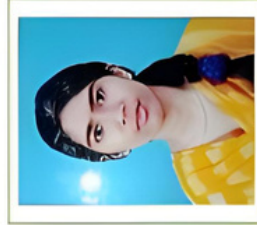
MAPATHON 2023 IS ORGANIZED BY IIT BOMBAY - FOSSEE (Geospatial) IN ALL OVER INDIA

Mapathon 2023 is organized by IIT Bombay -fossee (geospatial) in all over india total no of (eligible)participants 5151, total no of competing team 1780,total no of team members is 4356,total no of institutions participated is 573,total no of freelancers participated is 49,total no of industries participated is 16, no of states covered is 26, no of union territories covered is 2, no of IITs participated is 14, no of NITs participated is 15,no of state universities participated is 209, no of central universities participated is 12, no of international universities participated is 4.

From our college 14 teams, each team size with one mentor and four students from various departments participated and submitted their work through online. Two teams got selected as winner and four teams as notable participants. All these six teams were selected to participate in internship organized by IITB.

Results declared on June 14th 2023

Winners

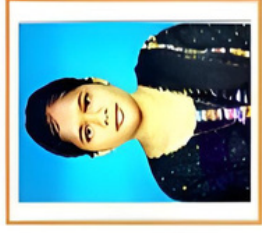
Team	:tnsdcm269	Team	:geo genesis
Theme name	:Unemployed cartographers	Theme name	:Population crowding / traffic hotspots
Problem statement	:Detection of change in waterbodies /reservoirs /wetlands in chennai district.	Problem statement	:Mapping the impact of street vending on traffic congestion and pedestrian safety in Chennai's Commercial Areas
DEPT	:CSE	DEPT	:ECE
	SAKTHIVEL K.H		AHMED SYED SEMAR
	MOHAMED HANIIFA HAARISH P		SHARUKH FAKRUDEEN
	MOHAMMED KHAJA NAWAZ A		NIRMAL.K
	MOHAMMED THAYYAB. A. R		SAFRIN.S

NOTABLE PARTICIPANTS

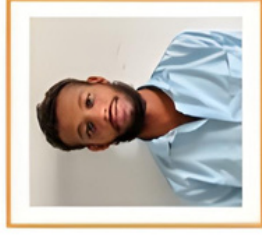
Team :Tera techs
Theme name :Urban planning
Problem statement :Traffic hotspots and population crowding



MUZMIL HAQ.A
EEE



ABIRMAI.V
IT



MOHAMMED AHYA.A
EEE



IMRAN.R
EEE

Team :Techno wizards
Theme name :Agriculture
Problem statement :Major crops zone in tamilnadu
DEPT : ECE



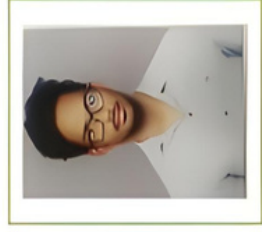
MOHAMMED
NAYEEM.B
ECE



MOHAMED
MUKSHITH
ECE



JASEEM
MOHAMED
ECE



SUBASH
ECE

Team :Map mavericks
Theme name :Map mavericks

Problem statement : Limited number of stations: As of 2021, there are only a handful of CNG stations in Chennai, which can make it difficult for vehicle owners to find a station when they need to refuel.

- Increase in the number of vehicles that run on petrol and diesel thus causing global warming due to carbon emissions more than CNG based vehicles.

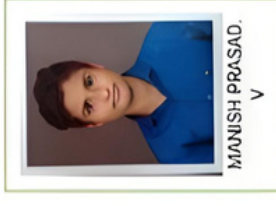
DEPT : CSE



BHUVANESHWARAN



ALTHAF. J



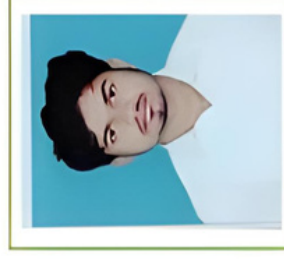
MANISH PRASAD.
V



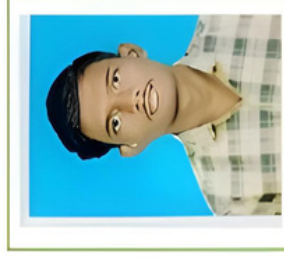
SURYA S

Team :Dunes

Theme name : Land Use and Land Cover Changes
Problem statement :LULC in Tirunelveli District
DEPT : CIVIL



SANDESH KUMAR.K



MOHAMED KAIF.M



MOHAMED HAROON.M

MENTORS OF FOSSEE 2023 MAPATHON 2023



Dr.S.Devikala
Professor / EEE
Head Co-ordinator
Information science
Head
Co-ordinator/MAPATHON



Dr.Manju
Professor/ECE
Head ECE
Head IQAC
Mentor



Dr.Suresh
Assis.Prof. /EEE
Co-ordinator



Mr.kamarajan
Assis. Prof. / ECE
Co-ordinator



Dr.Saravanan
Assis.Prof./Mech
Co-ordinator



Mrs Pandeeshwara
Assis.Prof./CSE
Co-ordinator



Mrs Ayswarya
Assis.Prof./IT
Co-ordinator



Mrs.Kavitra
Assis.Prof. /Civil
Co-ordinator



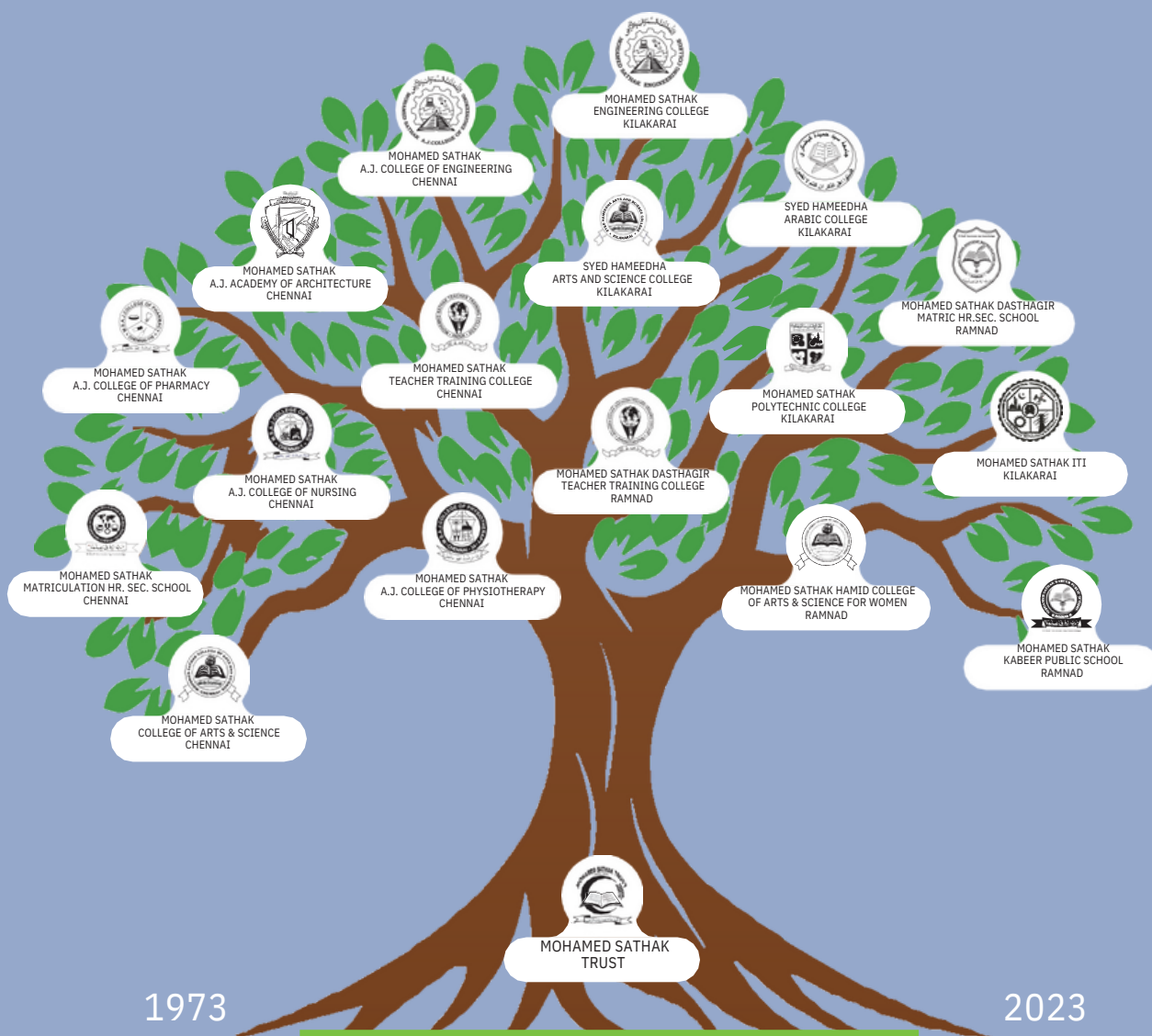
Dr.Kamalaselvan
Assis.Prof./EEE
Mentor




Mrs Anusha
Assis.Prof. / ECE
Mentor




Mr.Ashokkumar,
Assis.prof./ ECE
Mentor



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