DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

JEPPIAAR ENGINEERING COLLEGE

ECE

NAAC A

2023-2024

VOLUME : XVI

A HERO CAN BE ANYONE...

ELECTROBLITZ 2K24

MAGAZINE DESIGNER

Mr.Rathish , III YEAR(2021-2025)

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Ms. Alena Biju, II YEAR(2022-2026)
Ms. Kaviya II YEAR(2022-2026)
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Ms. Sreenidhi. M, II YEAR (2022-2026)

IN LOVING MEMORY OF
(LATE) COL. Dr.JEPPIAAR, M.A, B.L, Ph.D.

ENTRY IS NOT IMPORTANT
EXIT IS IMPORTANT

CHAIRMAN AND MANAGING DIRECTOR'S MESSAGE

Dr. Regeena J Murali , B.Tech, MBA, Ph.D
Founder & Chancellor, Jeppiaar University
Chairman and Managing Director, Jeppiaar Group of Institutions

On behalf of all the members of the organizing Committee, I would like to address you through the page of this magazine. **"ELECTROBLITZ 2K24"** the 16th edition of the magazine from the contemporary **Department of Electronics and Communication Engineering.**

This magazine is destined to bring out the inherent latent talents in students and the teachers and also to inculcate leadership skills among them. This is an event organized and done by the students in great effort. I wish the students and staffs the best for the successful conduct of the 16th inhouse symposium of ECE.

Founder & Chancellor

PRINCIPAL'S MESSAGE

Dr.K. SENTHIL KUMAR M.E, Ph.D, FIE

It is with great pleasure that I acknowledge the forthcoming publication of the Souvenir by the organizing committee of the Symposium "**ELECTROBLITZ 2K24**".It is my honor to extend heartfelt congratulations on this momentous occasion.

Symposiums like "ELECTROBLITZ 2K24", held at Jeppiaar Engineering College, serve as invaluable platforms for nurturing the talents and skills of our students. They offer a unique opportunity for participants to enhance their presentation abilities, broaden their intellectual horizons, and cultivate problem-solving acumen. Indeed, such endeavors are instrumental in shaping the future of our nation by empowering our youth to become adept engineers and responsible citizens.

I extend a warm welcome to all participants joining us from various corners of the state and encourage meaningful interactions for the betterment of all involved. I commend the Head of the Department, faculty members, staff, and students of the Electronics and Communication Engineering department for their dedication and tireless efforts in orchestrating this symposium.

To the organizers, students, and participants, I convey my best wishes for a successful and enriching experience. May this symposium inspire innovation, foster collaboration, and pave the way for future endeavors.

PRINCIPAL

DEAN'S MESSAGE

Dr. Shaleesha A Stanley, M.Tech, Ph.D, D.Sc

It gives me an immense pleasure in congratulating you as you have put your master mind in the creation of "**ELECTROBLITZ2K24**" This magazine will allow young writers to delve into and appreciate new voices creative expressions and opinions. It also will motivate others to pen down their ideas, while strengthening their writing skills, and initiating dialogue with experts in the area of engineering. All contributors and students involved in this venture deserve congratulations. I wish them the very best to keep up this zeal and continue with their future endeavors.

DEAN (ACADEMICS)

EDITORIAL

When a child is born, he/she fills the vaccum, which is destined for him/her. Every event or happening falls to its own 'place' according to a pre-written 'script' penned by 'time'. The power of imagination and innovative thinking are to be identified and this magazine brings out these qualities hidden in every student.

"There is always light, If only we're brave enough to see it. If only we're brave enough to be it."

We hope that this magazine will motivate the aspiring engineers of our department and also sustain the reader's interest.

ACKNOWLEDGEMENT

ABOUT THE <u>COLLEGE</u>

The name Jeppiaar has grown to be synonymous with excellence in education and the Jeppiaar Educational Trust was formed in 1987, with the sole purpose of providing cutting edge technical education that is both accessible and affordable by establishing premier colleges of Engineering, Technology and Management studies. Under the aegis of our honorable Chairman (Late) Col. Dr. Jeppiaar, M.A, B.L, Ph.D, Jeppiaar Engineering College was inaugurated on 15th August 2001 as one of the spearheading institutions of Jeppiaar Educational Trust. The Chairman and Managing Director Dr.REGEENA J MURALI, B.Tech, MBA, Ph.D. Jeppiaar Group of Institutions aims to provide quality education and research facility for students of all economic strata. The college is approved by AICTE and has been Accredited by NAAC. The college offers UG and PG programmes in engineering technology and management.

ABOUT THE DEPARTMENT

Department of Electronics and Communication Engineering strongly believe in working towards a goal which is not theoretical in content but practical in approach. The Department was started in the year 2001 a student intake of 60 and increased to 120 in the year 2004. The Department has a strength of well qualified, dedicated and experienced faculty who have been the driving force behind the rapid success of the department. Students membership in various professional bodies like IETE and IEEE communication society helps to enhance their co-curricular activities. Several students have been placed in leading MNCs through campus recruitments and many others have gone in for higher studies both in India and abroad.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
PLACED STUDENTS (2020-2024)
CONGRATULATIONS
INTELLIPAAT(7.25 LPA)

DEVIKA.A

PRIYADHARSHINI. T

LOGHASWIN. R

ROHINI.B

SWATHI.R

RINEX TECHNOLOGIES(5.2 LPA)

EVANGEL BISHARA

PRIYADHARSHINI.T

SAKTHI ABHILASHA

SWATHI.R

YAMUNA. E

BYTRIZE(5.5 LPA)

LOGHASHWIN.R

PRIYA DHARSHINI

SAKHIL AHAMED.M

CRID.DO(5.3 LPA)

FRANKLIN JOSHUA

HARIHARAN

TAMILARASAN.R

UNIVERSITY SEMESTER TOPPERS

BATCH : 2022-2026

(SECOND SEMESTER)

A-SECTION

ANCY.R
8.88 CGPA
I RANK

ASWIN D P
8.85 CGPA
II RANK

JANANI P
8.81 CGPA
III RANK

B-SECTION

YASMEEN BEGUM D
9.12 CGPA
I RANK

YUVASREE P
8.88 CGPA
II RANK

NEBIN N G
8.69 CGPA
III RANK

BATCH : 2021-2025
(FOURTH SEMESTER)
A-SECTION

ANUSHIYA M
I RANK - 9.48 GPA

AGINAS B
II RANK- 9.28 GPA

KANNAN D
I I I R ANK - 9.20 GPA

B-SECTION

SURUBIKA J
I RANK - 9.20 GPA

SUBHASHINI N
II RANK- 9.16 GPA

SRIJAYIESH V
III RANK – 9.08 GPA

SUCHARITHA N

BATCH : 2020-2024
(SIXTH SEMESTER)
A-SECTION

DEVIKA. A

MENAKA .P
I RANK - 9.08 GPA

HARINI K

GOKULAKRISHNA S

II RANK- 8.83 GPA

LOGHASWIN R

CHAREESHMA S
III RANK – 8.71 GPA

BATCH : 2020-2024
(SIXTH SEMESTER)
B-SECTION

RITHIKA S
I RANK - 8.96 GPA

ROHINI B
II RANK- 8.83 GPA

III RANK – 8.71 GPA

NIVETHA S

NIVETHA S

SRINIDHI M

SUJITHA PRIYA E

INDUSTRIAL VISITS

PLACE OF VISIT : KLITE, AMBATTUR INDUSTRIAL ESTATE

DATE : 7TH NOV 2023

A batch of 3rd semester students of the department of Electronics and Communications Engineering along with faculty members Dr.V. Nanammal , Mr.E. Sakthivel , Mr. Shamini and Mr.J. Mahesh visited Klite the lighting company in Ambattur.

This visit was mainly focused on to understand the procedure involved in the manufacturing of lights, the technology and the equipments used. Students were split into 4 groups. Mr. Mahendran the technical expert explained the complete procedure of how lights are made from scratch

PLACE OF VISIT: RETECH SOLUTIONS PVT LTD
DATE: 22ND OCT 2023

On 22/8/2023, a group of students of ECE 3rd year along with our faculty from Jeppiaar Engineering College embarked on an industrial visit to RETECH Solutions Pvt Ltd located in Chennai. RETECH Solutions Pvt Ltd is renowned for its expertise in the field of renewable energy technologies and solutions. The visit aimed to provide students with practical insights into the operations, technologies, and management practices of the company.

RETECH Solutions Pvt Ltd was established with a vision to revolutionize the renewable energy sector by providing innovative and sustainable solutions. The company specializes in the design, development, and implementation of solar power systems, wind energy solutions, and other renewable energy projects. With a team of skilled professionals and state-of-the-art infrastructure, RETECH has emerged as a leader in the green energy domain.

PLACE OF VISIT: SSD OIL MILLS ARAKONNAM
DATE: 13TH MARCH 2024

A batch of 4th semester students of ECE along with faculty members Dr.G. Balachandran and Mrs.K. Nansy visited S.S.D oil mills which gave the students an insight on the manufacturing of oils like rice bran oil and vanaspati, the technology used and the equipments used. The business experts there explained a complete overview and the process to the students clearly and overall the industrial visit was a success.

IEEE EVENTS
TECH TRIVIA
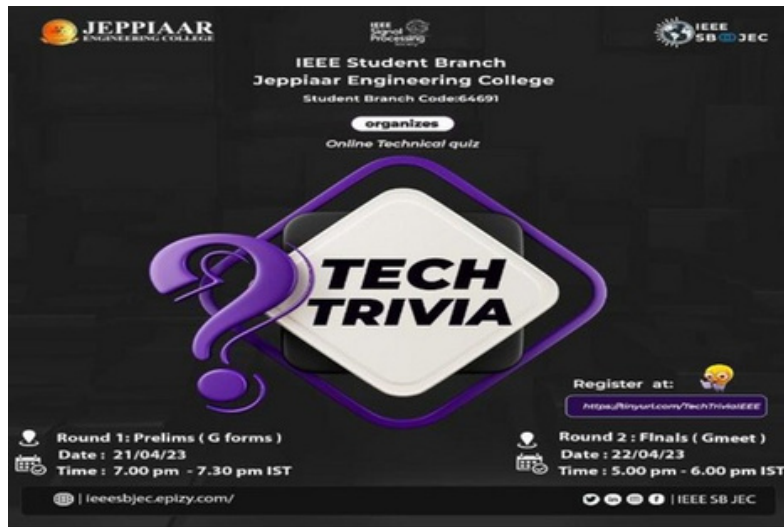
The event "TECH TRIVIA" is a online technical quiz series organised by the IEEE Student Branch Jeppiaar Engineering College by Signal Processing Society.The event evoked at 21st April 2023, from 7:00pm to 7:20pm and it was first round,prelims conducted via Google form with 20 questions, allotted time is 20 mins.The event started by the volunteer of IEEE SB JEC by giving all the instructions and made it in a interactive way also the participants participated actively within a given time.The participants selected for prelims round and made to participate in the final round on next day.

The final round of quiz was conducted on the next day on the selected
topic recent updates in technology with participants,via Google meet from 5.00 pm to 6.00 pm.The rules and regulations were declared in the meet.The first three were declared as the winners and provided with e-certificates.

DESIGN FUSION

IEEE Student Branch of Jeppiaar Engineering College, IEEE Power and Energy Society SB JEC, Conducted a Online mail designing Competition. The theme "DESIGN FUSION" sounds intriguing. Design Fusion is an online mail designing competition involves participants creating visually appealing and engaging email templates. It's a platform for showcasing creativity, design skills, and the ability to craft effective communication. This Competition provides an opportunity for designers to gain recognition, improve their skills, and connect with the design community. The participants were asked to submit their designs on 10/07/2023 before 6:00pm IST via google form. It's impressive that around 40-50 participants actively took part in the competition and submitted their designs before the deadline.

SIGNOX

Signox'23, is a regional level symposium organised by IEEE Student Branch of Jeppiaar Engineering College. This symposium was conducted in collaboration with IEEE Madras Section Young Professionals and also with IEEE Student Branch Jeppiaar Engineering College society chapters Signal Processing Society, Photonics Society, Power and Energy Society, Communication Society, Computer Society and Women in Engineering Affinity group. The event was conducted on 7th & 8th September in hybrid mode(offline & online).

The 1st day of the event started with an inaugural function with the presence of the Chief guest Dr.V.Sasirekha is a professor for management studies at Sairam Engineering College and also Chief coordinator of Women Empowerment Cell.

The second day started with a workshop and offline paper presentation competition. It was a hands on workshop conducted on the topic of Embark your Web Development adventure, held on 8th September.

HACK-O-HOLICS

The Hack-O-Holics (4.O), A National Level Hackathon organized by the IEEE Student Branch of Jeppiaar Engineering College. This is a flagship event conducted in collaboration with IEEE Computer Society Student Branch Chapter. It was a 2 days offline mode event conducted on 17th & 18thof October 2023 held at ECE Seminar Hall. This event was exclusively for College students who are seeking for a platform to explore their knowledge.

One the first day, 17th of October the event started with the inaugural ceremony by the chief guest Mr. Suresh Mahadevan, Head of human resource Niyata infotech private limited and with our honorable jurry panel members Mr. Vinu Kumaran Subramaniyan ,who has a designation of Solution Architect and with Ms. Deepana. R, Data Engineer in Adithya Birla.

This event is a 24 hours Hackathon event where the students combined as a team to find the solution of a working model to solve the predefined problem statement. The event aims to develop technical and professional skills among student members while fostering an understanding of prevailing and future technologies. It fosters interactions among participants, reinforcing the importance of community-building.

The event was continued to the next day till 10 AM and came to an end with their idea presentation. After that closing ceremony was commenced with speech of Jury panels.Then our respected Principal announced the winners of the event. The winner of HACK-O-HOLICS 4.0 is Technical droids, the 1st runner up was Petrarch and the 2nd runner up was The tomorrow team.

Technologies in 6G

[Mrs.C ANITHA, AP/ECE]

6G is expected to leverage cutting-edge technologies to unlock new possibilities. Here are some of the key technologies that 6G is anticipated to utilize: **1.Immersive reality** - AR, XR, VR holograms, metaverse 6G aims to revolutionize the way we experience reality by integrating immersive technologies such as augmented reality (AR), extended reality (XR), and virtual reality (VR). These technologies can create interactive and immersive environments, enabling users to engage with digital content in real time, whether for entertainment, communication, or other applications. 2. **Digital twins** (based on artificial intelligence and machine learning) 6G is anticipated to utilize digital twins, which are real-time digital representations of physical objects or systems. By harnessing artificial intelligence (AI) and machine learning (ML) algorithms, digital twins can simulate and model the behavior of

real-world objects or systems, providing valuable insights and enabling predictive analysis. This technology can potentially enhance various sectors, including manufacturing, healthcare, transportation, and infrastructure management.

3. Cloud 6G envisions seamless access to cloud computing resources from anywhere, allowing users to store, process, and retrieve data on demand. By leveraging the power of cloud infrastructure, 6G can enable efficient scalability,

data management, collaboration, and supporting a wide range of applications and services.

4. Non-Terrestrial Networks (NTN) 6G is expected to integrate non-terrestrial networks, such as satellite-based communication systems, to expand coverage and reach remote areas. These networks can provide connectivity in areas where traditional terrestrial networks may be challenging to deploy, helping to bridge the digital divide and extend the benefits of 6G to underserved regions.

5. Sub-terahertz frequencies 6G is anticipated to utilize extremely high-frequency bands, including sub-terahertz frequencies, which have never been used in commercial wireless communication. These frequencies offer significantly larger bandwidth and the potential for higher data rates, enabling faster and more efficient wireless communication.

6. Time-Sensitive Networking (TSN) 6G aims to achieve extremely low latencies and predictable traffic flow by implementing Time-Sensitive Networking.

FIND ANSWER, JUST FOR FUN

[Mrs.K. NANSY, AP/ECE]

1. What are two things you can never eat for breakfast?
2. What is always coming but never arrives?
3. What gets wetter the more it dries?
4. What starts with "e" and ends with "e" but only has one letter in it?
5. What word is spelled incorrectly in every single dictionary?
6. If it takes eight men ten hours to build a wall, how long would it take four men?
7. What never asks a question but gets answered all the time?
8. How do you make the number one disappear?
9. What two keys can't open any door?
10. If an electric train is moving north at 100mph and a wind is blowing to the west at 10mph, which way does the smoke blow?

1. Lunch and Dinner 2. Tomorrow 3. A towel 4. An envelope 5. Incorrectly
6. No time, because the wall is already built 7. Your cell phone 8. Add a 'G' and it's gone! 9. A monkey and a donkey 10. An electric train has no smoke

ARTIFICIAL INTELLIGENCE

[Mr.C. JERLIN AJITH, AP/ECE]

The term artificial intelligence (AI) refers to the ability of a digital computer or computer-controlled robot to perform tasks commonly associated with intelligent beings. Since the mid-20th century, scientists have attempted to develop a system capable of carrying out tasks perceived as requiring human intelligence. Among the tasks that have been studied from this point of view are game playing, natural-language understanding, fault diagnosis, robotics, and supplying expert advice. Although computers can be programmed to perform these and other very complex tasks—and while advances continue to be made in computer processing speed and memory capacity— there are as yet no programs that can match human flexibility over wider domains or in tasks requiring much everyday knowledge.

The earliest substantial work in the field of AI was done by British mathematician and computer pioneer Alan Turing. In 1950 Turing declared that one day there would be a machine that could duplicate human intelligence in every way and prove it by passing a specialized test. In this test, a computer and a human hidden from view would be asked random identical questions. If the computer were successful, the questioner would be unable to distinguish the machine from the person by the answers.

"Nouvelle AI," pioneered by Rodney Brooks at MIT AI Lab, focuses on true intelligence through real-world functionality. Examples include mobile robot Herbert for office cleanup, minefield-clearing robots, Mars exploration robots, and humanoid robot Cog for incremental learning from the environment.

RECENT TRENDS AND DEVELOPMENTS IN THE FIELD OF VIRTUAL REALITY (VR)

[Mr. S.RANJITH, AP/ECE]

Wireless VR: Advances in wireless VR technology, allowing for more freedom of movement and eliminating the need for tethered connections to a PC or console. Improved Display Technology: Progress in display technology, including higher resolution screens, wider field of view, and better refresh rates, resulting in more immersive VR experiences with greater visual fidelity. Social VR: Growing emphasis on social VR experiences, enabling users to interact and collaborate in virtual environments, attend events, and engage in virtual communities. Healthcare and Therapy: Increasing adoption of VR in healthcare for applications such as pain management, physical therapy, and psychological treatments, leveraging VR's immersive qualities for therapeutic purposes. Enterprise Applications: Expansion of VR into various industries for training, simulations, virtual meetings, and remote collaboration, with companies utilizing VR to enhance productivity and efficiency. Augmented Reality (AR) Integration: Integration of AR elements into VR experiences, blurring the lines between virtual and physical realities and enabling mixed reality applications. Content Expansion: Diversification of VR content, including games, educational experiences, immersive storytelling, virtual tourism, and creative tools, catering to a broader range of interests and demographics. Accessibility: Efforts to make VR more accessible and inclusive, including improvements in affordability, ease of use, and support for users with disabilities. These trends reflect the ongoing evolution and maturation of virtual reality technology, as well as its increasing integration into various aspects of society and industry.

RIDDLES

[Mrs.R.GRACELIN SHEEBA, AP/ECE]
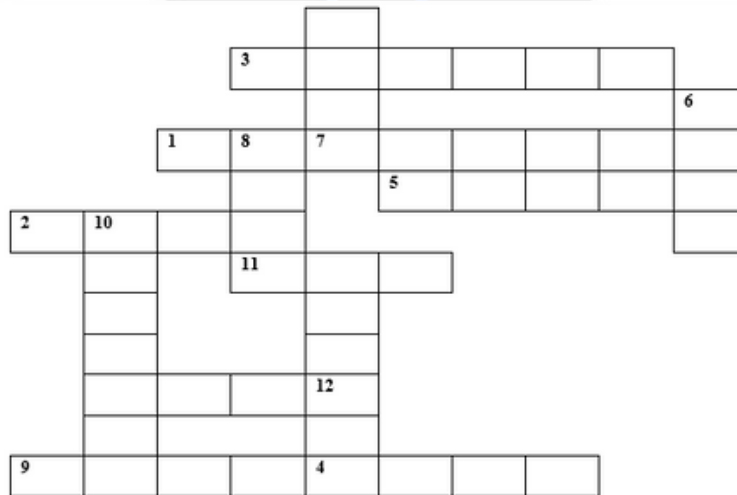
Left to right
1. The hot resistance of the filament of bulb is higher than cold resistance of filament lamp because temperature coefficient of filament is_____.
2. The direction of electric dipole movement is _____applied in electric field.
3. _____ was the first city in India to adopt electric traction.
5. Heterodyne frequency changer
9. The frequency spectrum of a function is discrete if the function is _____.
11. The molecule that carries genetic information for the development and functioning of an organism

Up to down
6. The value of cross product of similar vector unit.
8. Display technology use organic component to emit light.
10. Circuit cannot remain in one state.

Right to left
12. Not free or available to do something (reverse)

Down to up
4. It is a paramagnetic material and a gas present in the air.
7. The firing of a gun

Congratulations for receiving Doctrate Degree

Dr.T.R.Chenthil , M.E, Ph.D

Dr.V.Nanammal,M.Tech, Ph.D

Dr.G.C.Jagan, M.E, Ph.D

Dr.G.Balachandran,M.Tech, Ph.D

Congratulations to the staff members who have completed their doctorate degrees! Your dedication, hard work, and commitment to advancing knowledge in your respective fields are truly commendable. Your achievements not only reflect your individual success but also contribute significantly to the academic and professional communities. May your accomplishments inspire others to pursue excellence and make meaningful contributions to their areas of expertise. Best wishes for continued success in your academic and professional endeavors.

ACHIEVEMENTS

Ashok Sai, Midhun kumar and Aro Barath Chandru Of ECE department 3rd year secured first place in the event of SRM - Idea Expo held at Valliammai Engineering College on March 9th ,2023

Akash Kumar and Ahamed Fazil Of ECE department 3rd year secured first place in the event of SRM -MEQUIZ held at Valliammai Engineering College on March 9th ,2023
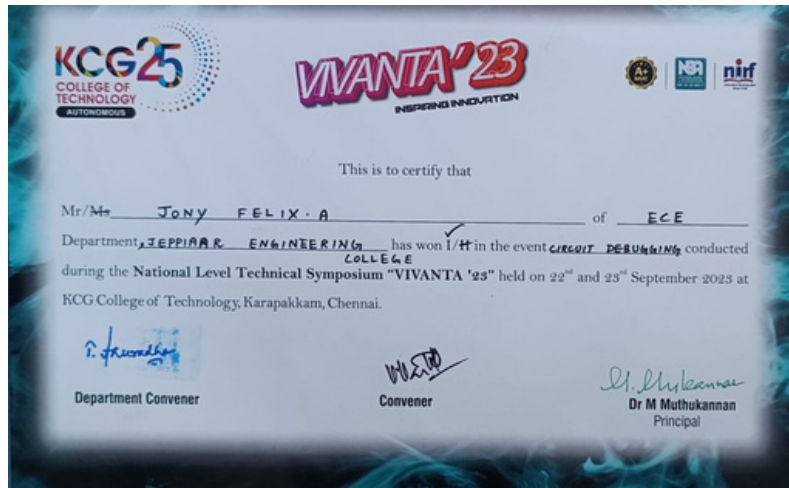
Jony Felix of ECE department 3rd year secured 1st place in circuit debugging held at KCG College of Technology.

Tamil Oviya, Monika, Sreenidhi of ECE department 2nd year , secured first place in the event of CHE-MEME held at Rajalakshmi College of Engineering.

Aginas and Karthika of ECE department 3rd year secured 2nd place in paper presentation held at Easwari College of Engineering.

Beema of ECE department 3rd year secured the second place in paper presentation which was held on 28th October 2022 in Mohamed Sathak college of engineering and she also secured 5th place in Innovator's Day 2023 ,held at Anand Institute of Higher Technology.

Aginas of ECE department 3rd year had secured 3rd place in the Republic Day poster Designing competition conducted by Yuva club of Jeppiaar Engineering College.

Jeevanathi of ECE department 3rd year had secured 3rd position in online quiz IDEQUIZ organised by IEEE student branch Jeppiaar Engineering College which was held on 3rd December,2022

Our Department 3rd year students Aginas and Beema Dewan Participated in paper presentation conducted by Sathyabama University.

The project expo organised by KCT college at Coimbatore was actively participated by our 3rd year students Sathya Priya, Abinaya, Aravindh, and Kuralarasan.

On the 31st of October 2023, the IEEE Student Branch at Jeppiaar Engineering College organized a significant event titled "Maverick Women," focusing on women entrepreneurship.

Chancellor Mam, with foresight and dedication, meticulously issued placement orders to the diligent students of the graduating batch of 2019, who persevered through their academic journey until 2023, ensuring a seamless transition into their professional endeavors, replete with promising opportunities, conducive environments, and abundant prospects for exponential growth and resounding success in their chosen fields, thereby exemplifying the university's commitment to nurturing and empowering future leaders and professionals.

On sept 3rd 2022 , graduation day was celebrated. ECE department topper Ms.. Jemila (2017-2021) honored by Dr. M.S. Swaminathan award.

The ECE Department hosted an engaging Chinese Martial Arts event on February 16, 2023, with Ms. Susmitha, a renowned Kung Fu trainer, showcasing a blend of tradition and innovation. Her mastery and captivating performance highlighted the art's impact on fitness, focus, and overall well-being.

The Department of Electronics and Communication Engineering (ECE) orchestrated a profoundly impactful event centered on motivational discourse and insightful counseling sessions, graced by the esteemed presence of Mrs. Kanmani Thviya Jas, a distinguished psychologist renowned for her expertise in fostering mental well-being and personal development, on the enlightening date of February 13th, 2023.

IEEE SB JEC collaborated with We Ca(o)n Grab It for the "Medley Mastery" workshop from 13/02/2023 to 17/02/2023, covering Content Writing, Graphic Designing, and No-code Web Development. The startup, founded by Mr.Jagadeeswaran and Mr. Balasai, offered services like poster design, content writing, and web development. The event commenced with an inauguration ceremony on 13/02/2023, attended by Dr. J. Francis Xavier and Dr. J. Jebastine. Sessions ran from 9.30 am to 12.30 pm and 1.15 pm to 2.45 pm daily, covering basics in Canva, Photoshop, Illustrator for graphic design, WIX for web development, and various content writing tools.

Students from the Electronics and Communication Engineering (ECE) department undertook a groundbreaking project focused on E-vehicles, showcasing their innovative prowess and commitment to sustainable technology, which was then subjected to rigorous performance testing by Chancellor Dr. Regeena J. Murali, demonstrating the collaborative efforts and dedication of the students towards advancing the realm of electric mobility and environmental conservation.

The "Project Panoply 2K23," spearheaded by Mr.V Selvaraj, a proficient AI Developer affiliated with MAKE LABS Research & Development Center, showcased a culmination of innovative ideas, advanced technologies, and interdisciplinary collaborations aimed at pushing the boundaries of artificial intelligence applications, thereby fostering a dynamic ecosystem of creativity, learning, and technological advancement in the field of AI research and development.

As part of their academic curriculum, students from the Electronics and Communication Engineering (ECE) program embarked on an enlightening industrial visit to a Thermal Power Plant situated in Neyveli, where they gained invaluable insights into the intricate operations, advanced technologies, and sustainable practices employed in the generation of thermal power, thereby enriching their understanding of real-world applications and industry best practices in the field of energy production and management.

The Department of Electronics and Communication Engineering (ECE) orchestrated a highly informative and enlightening guest lecture focused on Research Paper Writing utilizing AI tools, featuring the esteemed presence of Dr. M C Jobin Christ, an accomplished Professor in the Department of Biomedical Engineering at Rajalakshmi Engineering College, whose expertise and insights into the intersection of AI and academic writing provided invaluable guidance and inspiration to the attendees, fostering a deeper understanding of cutting-edge methodologies and practices in scholarly research within the realm of engineering and technology, during the event held on September 14, 2023.

STUDENTS ARTICLE

JEBISHA
II YEAR(2022- 2026)

DHANUSHYA.D.K
II YEAR(2022-2026)

PREETHIKA.S
II YEAR(2022-2026)
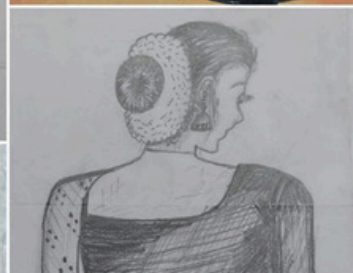
SHARMILA
II YEAR(2022-2026)

HAPPY WOMEN'S DAY
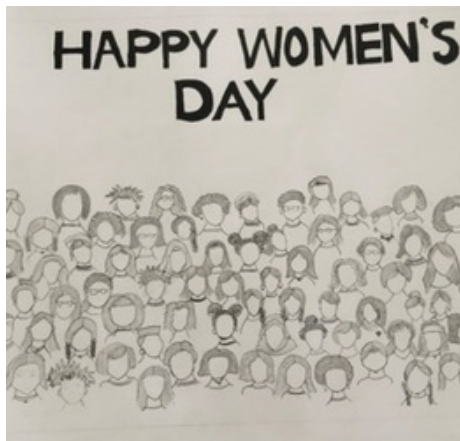
JANAVI.G
II YEAR(2022-2026)

SANJANA
III YEAR(2021-2025)

THRISHA.J
III YEAR(2021-2025)

VISHALI.B
III YEAR(2021-2025)
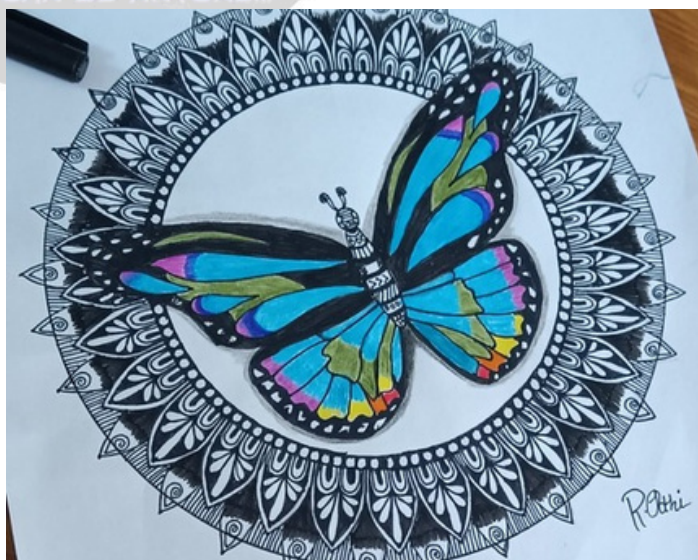
JOTHI
III YEAR(2021-2025)

STANISH APPALLO
II YEAR(2022-2026)
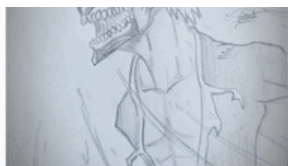
KIRTI
III YEAR(2021-2025)

ALPHABET MONTH

A - ADD YOUR AIM

B - BE YOURSELF

C - CORRECT YOUR MISTAKE

D- DO, YOU CAN

E- ENRICHING

F - FRAME YOUR WAY

G- GIVE YOUR BEST

H- HELP THE NEEDY

I- IDENTIFY TOUR IDENTITY

J - JUST BE YOURSELF

K - KNOW YOUR STRENGTH

L - LOVE EVERY ONE

M - MAKE A CHANGE

N - NEVER GIVE UP.

O - OUTSTANDING ONE

P - PERSEVERENCE

Q - QUICK MINDED

R- RESPONSIBILITY

S-STRUGGLE FOR SUCCESS

T- TRY TILL LAST

U - USE EVERY OPPORTUNITY

V - VIBRANT

W - WORK HARD

X - XENIAL TO EVERYONE

Y - YOUR DAY TO DO

Z - ZOOM YOUR POTENTIAL

NAVIN. M
II YEAR(2022-2026)

MELANCHOLY

I never asked to be the paragon of innocence,
The wordless beauty in lewd love songs, The
terrified passenger on every path, I never
asked to be, Whatever you wanted me to be,
Punishments for crime I didn't commit,
Losing battles I didn't want to fight, Dancing
to another new song you play, Meaningless to
me but you force me to.

I never asked to be,
Your battleground your fantasy your home.
I never asked to be,
Your lover your enemy your wooden toy.

I ask to be just a man, for once
For body mine, for mind mine
Just this once. A person, like you.

YASMEEN BEGUM D
II YEAR(2022-2026)

SERENITY

In the quiet corners of the mind, Where dreams and
thoughts entwine, There lies a realm of endless space,
Where fantasies take shape and grace.

In whispers soft, the heart's desires Ignite the soul
with gentle fires. Through tangled paths of memory's
maze, We navigate life's shifting phase.

With every step, a story told In words of silver and
hearts of gold. Through laughter, tears, and
moments grand, We find our place in this
wonderland

ALENA BIJU
II YEAR (2022-2026)

திறமையின் திறவுகோல் !

திறமையின் திறவுகோல்
திண்ணமாய் முயற்சியே ......
பொறுமையாய்க் கற்றிடு
புயலென செயல்படு !!!

தெளிவான திட்டங்கள்
தீர்க்கமாய் முடிவுகள் .....
பளிங்கென நெஞ்சிலே
பதிந்திடல் சிறப்பே !!!

ஓயாது சிந்தித்து
உத்தமமாக செய்வித்தால் ....
நீயதும் நேராதே
தொட்டதும் துலங்குமே !

பிறருடைய உதவிகள்
பிசகாத உறவுகள் ....
மறந்திடா புகழுரை
மன்னித்தல் உயர்த்துமே !!!

முயற்சி வெற்றியானது -இருமை
உயர்வு கொண்ட பயணம்
நலன் வரும் காலம்.
உழைத்திட வெற்றியே !!!!!!

தட்டுத் தடுமாறிக்கூட
தன்னம்பிக்கை இழக்காதே
தூரம் உன் மனம் பொறுத்து
அமைந்து விடும்
வேகம், முயற்சி உன் துணிவு
பொறுத்து அமைந்து விடும்!

உன் ஆயிரம் தோல்விக்கு
காரணமும் முயற்சிதான்;

**உன் ஆயிரம் வெற்றிக்கும்
காரணமும் முயற்சிதான் ;**

-------முயன்றவனுக்கு வெற்றி
தூரமில்லை;--------------

-------- முயலாதவனுக்கு எதுவும்
சொந்தமில்லை.----------

முயற்சி கொள்ளு .....
துணிவு கொண்டு வாழ்வை
வெல்லு!!!

**தேவிகா ஆ
BE- ECE FINAL YEAR (2024)**

இய***கய பா கா***

மனிதா!!
இய***க ற
தெ ற த வ
பலமைழ எிக ேச
ஆறாக ப ற எ***ன
வழி எ ***ெ நக ழி ***ெகா
வேரேவ க றா !!!
நா நட இ***டெம லா
மர இ***லாம ம இ***லாம
கைட***கா நா ***ெச லாம
எ தவ ***ேக கவ***ல உன !!!
நா ந***ன தா ***ெவ ள
கைர ரள வ***ய அழி
ஆ ற ***ெகா டவ நா
எ***னா இயலா
ஏ எ றா நா தா உ ள ***ெகா டவ

**. மோக
*II YEAR(2022-2026)***

THRISHA. J
III YEAR(2021-2025)

Thrisha J, A 3rd year student from the Electronics and Communication Engineering (ECE) department, showcased her passion and creativity by participating in a vibrant group dance event organized by the School of Information Technology on February 21st, 2024, at Guru Nanak College, Chennai.

One of our students from ECE department, Yuvasree.P has presented her extravagant dance moves in front of 2000 people which was also witnessed by my prominent members like Rj balaji, Erode Magesh, Infosys HR Sujith Kumar and many more. This dance made her bag around 3k and alot of appreciation and love.

YUVASREE. P
II YEAR(2022-2026)

NCC B-CERTIFICATE EXAMINATION 22-23

Our ECE Department NCC cadets actively participated in NCC activities and undergone rigorous training for the past three years even during the surge of pandemic and trained the JUNIORS OF JEC NCC and completed both B and C certificate examination with "A grade" Conducted under the authority of Ministry of Defiance, Government of India. The Cadets has attended various camp conducted by INDIAN NAVY and conducted various events on behalf of JEC NCC .

NCC B-CERTIFICATE EXAMINATION 22-23

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Abishekbala B

Abishekbala B stands as a prominent figure in both the National Cadet Corps (NCC) and college events, demonstrating exceptional leadership and organizational prowess. Their active participation in NCC camps, including the Naval Technical Attachment Camp, Inter Unit Competition, and CATC CUM RDC IGC Training 2022, underscores their commitment to excellence. As the current Senior Cadet Captain, Abishekbala B's role extends to Camp Leader in the Naval Technical Attachment Camp and Annual Training Camp, where their exemplary leadership skills shine. Notably, they have received the Best Cadet Award in NCC, showcasing outstanding performance in firing and securing positions in the Inter Unit Competition. Additionally, their expertise extends to ship modeling and serving as a proficient boat puller. Abishekbala B's dedication and technical acumen serve as a beacon of inspiration, embodying the core values of initiative, dedication, and community engagement.

Sanjay J is an active participant in National Cadet Corps (NCC) activities, having attended camps like the Naval Technical Attachment Camp and Combined Annual Training Camps. Additionally, he has organized and volunteered in numerous events, showcasing his dedication and leadership within the NCC community. SANJAY's involvement reflects his commitment to personal growth and community service, serving as an inspiration to his peers.

Sanjay J

Rathish.S is a prominent figure in both the National Cadet Corps (NCC) and college events, showcasing remarkable leadership and organizational skills. They've actively participated in NCC camps such as the Naval Technical Attachment Camp and Inter Unit competitions. Moreover, Rathish has organized numerous successful events within the college and collaborated with other institutions. Their multifaceted involvement serves as an inspiration, embodying the values of initiative, dedication, and community engagement.

Rathish.S

Jeevanathi S is a standout leader in both the National Cadet Corps (NCC) and college circles. They've excelled in NCC camps like CATC-CUM-RDC Training Camps and hold the esteemed rank of Petty Officer Cadet. Apart from NCC, Jeevanathi has organized successful college events and collaborated with other institutions. Their role as Naval Wing Group Leader in the CATC camp and participation in Guard of Honour events reflect their dedication and leadership. Jeevanathi's diverse contributions embody the values of initiative, dedication, and community engagement, serving as an inspiration to others.

Jeevanathi S

SPORTS ACHIEVEMENTS

SRIMATHI.R
III YEAR

Emerging as the champions of the Senior State Tennis Ball Cricket Championship held at Namakkal on February 10th and 11th, 2024, was a momentous achievement for Jeppiaar Engineering College and The Team. Throughout the tournament, they demonstrated exceptional skill, teamwork, and determination, overcoming formidable opponents with ease. From the precision of their shots to the strategic brilliance on the field, Jeppiaar Engineering College Team led by example, inspiring their teammates to perform at their best. Their victory is a testament to their relentless pursuit of excellence and unwavering dedication to the sport.

Securing the second position in the Women's T20 Cricket Championship held at Vivekananda College of Engineering for Women in Thiruchengode is a commendable feat for [Your Name] and her team. Throughout the tournament, they showcased exceptional talent, determination, and sportsmanship, competing fiercely against some of the region's top cricketing talent. Despite narrowly missing out on the top spot, Jeppiaar Engineering College Women's team took pride in their remarkable performance, which captivated audiences and earned them widespread recognition.

VIGNESH .D
III YEAR

Vignesh D of ECE 3rd year had participated from Jeppiaar Engineering College, on behalf of Anna University which was held at Muhammad Sathak college of Arts and Science on December 3rd ,2023. The journey to the final match was marked by thrilling encounters and nail-biting moments, with the leader of the team leading the team with grace and skill. Their hard- fought battles on the field serve as a testament to their dedication and passion for the sport. As they reflect on their journey and celebrate their achievement, the Jeppiaar Engineering College Women's team can take pride in their remarkable accomplishment and use it as motivation to strive for even greater success in future competitions.

STAFF ACHIEVEMENTS

Faculty members of ECE department took part in the women staff throwball match and had won the winner up in Buck Memorial Trophy which was organized by YMCA. Congratulations Mrs.C Anitha and Mrs.R Gracelin Sheeba Assistant Professors of ECE Department.

STAFF'S NPTEL CERTIFICATIONS

Elite
NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to
SAKTHIVEL E
for successfully completing the course

Introduction to Internet of Things

with a consolidated score of **64** %

| Online Assignments | 23.72/25 | Proctored Exam | 40.5/75 |

Total number of candidates certified in this course: 25880

Jul-Oct 2023
(12 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

Roll No: NPTEL23CS83S13354669   To verify the certificate   No. of credits recommended: 3 or 4

NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to
GRACELIN SHEEBA R
for successfully completing the course

Computer Vision

with a consolidated score of **53** %

| Online Assignments | 19.16/25 | Proctored Exam | 33.43/75 |

Total number of candidates certified in this course: 830

Jul-Oct 2023
(12 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

Roll No: NPTEL23CS77S43356149   To verify the certificate   No. of credits recommended: 3 or 4

NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to
RANJITH S
for successfully completing the course

Deep Learning

with a consolidated score of **49** %

| Online Assignments | 19.19/25 | Proctored Exam | 30/75 |

Total number of candidates certified in this course: 981

Prof. Devendra Jalihal
Chairperson,
Centre for Outreach and Digital Education, IITM

Jan-Apr 2023
(12 week course)

Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras

Indian Institute of Technology Madras

Roll No: NPTEL23CS24S33362940   To validate the certificate   No. of credits recommended: 3 or 4

NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to
RANJITH S
for successfully completing the course

Introduction to Machine Learning

with a consolidated score of **57** %

| Online Assignments | 22.5/25 | Proctored Exam | 34.5/75 |

Total number of candidates certified in this course: 2034

Jul-Sep 2022
(8 week course)

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

Roll No: NPTEL22CS97S13271309   To validate the certificate   No. of credits recommended: 2 or 3

NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to
RANJITH S
for successfully completing the course

Programming, Data Structures and Algorithms using Python

with a consolidated score of **55** %

| Online Assignments | 25/25 | Proctored Exam | 30/75 |

Total number of candidates certified in this course: 1844

Prof. Devendra Jalihal
Chairperson,
Centre for Outreach and Digital Education, IITM

Jan-Mar 2023
(8 week course)

Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras

Indian Institute of Technology Madras

Roll No: NPTEL23CS15S14340613   To validate the certificate   No. of credits recommended: 2 or 3

Elite
NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to
C ANITHA
for successfully completing the course

Deep Learning

with a consolidated score of **69** %

| Online Assignments | 22.88/25 | Proctored Exam | 46.5/75 |

Total number of candidates certified in this course: 1474

Prof. Devendra Jalihal
Chairperson,
Centre for Outreach and Digital Education, IITM

Jul-Oct 2022
(12 week course)

Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras

Indian Institute of Technology Madras

Roll No: NPTEL22CS12S64464210   To validate the certificate   No. of credits recommended: 3 or 4

STUDENT'S NPTEL CERTIFICATIONS

NPTEL Online Certification (Funded by the MoE, Govt. of India)

This certificate is awarded to
SUBRAMANIYAJOTHI S
for successfully completing the course

Python for Data Science

with a consolidated score of **60** %

| Online Assignments | 23.33/25 | Proctored Exam | 36.63/75 |

Total number of candidates certified in this course: 7596

Prof. Devendra Jalihal — Jul-Aug 2023 (4 week course) — Prof. Andrew Thangaraj

Indian Institute of Technology Madras

Roll No: NPTEL23CS99S15324679 — To verify the certificate — No. of credits recommended: 1 or 2

NPTEL Online Certification (Funded by the MoE, Govt. of India)

This certificate is awarded to
J VISHAL CHRISTOPHER
for successfully completing the course

Python for Data Science

with a consolidated score of **55** %

| Online Assignments | 25/25 | Proctored Exam | 30/75 |

Total number of candidates certified in this course: 7596

Prof. Devendra Jalihal — Jul-Aug 2023 (4 week course) — Prof. Andrew Thangaraj

Indian Institute of Technology Madras

Roll No: NPTEL23CS99S35323409 — To verify the certificate — No. of credits recommended: 1 or 2

NPTEL Online Certification (Funded by the MoE, Govt. of India)

This certificate is awarded to
BEEMA DEWAN T D
for successfully completing the course

Developing Soft Skills and Personality

with a consolidated score of **72** %

| Online Assignments | 23.5/25 | Proctored Exam | 48/75 |

Total number of candidates certified in this course: 9659

Prof. B. V. Ratish Kumar — Jul-Sep 2023 (8 week course) — Prof. Satyaki Roy

Indian Institute of Technology Kanpur

Roll No: NPTEL23HS116S25333058 — To verify the certificate — No. of credits recommended: 2 or 3

NPTEL Online Certification (Funded by the MoE, Govt. of India)

This certificate is awarded to
SARAN A
for successfully completing the course

Python for Data Science

with a consolidated score of **66** %

| Online Assignments | 25/25 | Proctored Exam | 40.99/75 |

Total number of candidates certified in this course: 7596

Prof. Devendra Jalihal — Jul-Aug 2023 (4 week course) — Prof. Andrew Thangaraj

Indian Institute of Technology Madras

Roll No: NPTEL23CS99S15330840 — To verify the certificate — No. of credits recommended: 1 or 2

NPTEL Online Certification (Funded by the MoE, Govt. of India)

This certificate is awarded to
P M SANTHOSH
for successfully completing the course

Programming in Java

with a consolidated score of **54** %

| Online Assignments | 24.31/25 | Proctored Exam | 30/75 |

Total number of candidates certified in this course:11713

Jul-Oct 2023 (12 week course) — Prof. Haimanti Banerji

Indian Institute of Technology Kharagpur

Roll No: NPTEL23CS74S93356620 — To verify the certificate — No. of credits recommended: 3 or 4

NPTEL Online Certification (Funded by the MoE, Govt. of India)

This certificate is awarded to
KANNAN D
for successfully completing the course

Python for Data Science

with a consolidated score of **58** %

| Online Assignments | 25/25 | Proctored Exam | 33.14/75 |

Total number of candidates certified in this course: 7596

Prof. Devendra Jalihal — Jul-Aug 2023 (4 week course) — Prof. Andrew Thangaraj

Indian Institute of Technology Madras

Roll No: NPTEL23CS99S15333680 — To verify the certificate — No. of credits recommended: 1 or 2

NPTEL Online Certification — Elite

This certificate is awarded to
SRIJAYIESH V
for successfully completing the course

Data Base Management System

with a consolidated score of **60** %

| Online Assignments | 22.92/25 | Proctored Exam | 37/75 |

Total number of candidates certified in this course: 6795

Jul-Sep 2023
(8 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

NPTEL Online Certification

This certificate is awarded to
SAKTHI MAHIMA B
for successfully completing the course

Python for Data Science

with a consolidated score of **56** %

| Online Assignments | 25/25 | Proctored Exam | 31.12/75 |

Total number of candidates certified in this course: 7596

Prof. Devendra Jalihal
Chairperson,
Centre for Outreach and Digital Education, IITM

Jul-Aug 2023
(4 week course)

Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras

Indian Institute of Technology Madras

swayam

Roll No: NPTEL23CS99S45350203 | To verify the certificate | No. of credits recommended: 1 or 2

NPTEL Online Certification

This certificate is awarded to
S B RAKESH
for successfully completing the course

Python for Data Science

with a consolidated score of **57** %

| Online Assignments | 23.92/25 | Proctored Exam | 33.14/75 |

Total number of candidates certified in this course: 7596

Prof. Devendra Jalihal
Chairperson,
Centre for Outreach and Digital Education, IITM

Jul-Aug 2023
(4 week course)

Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras

Indian Institute of Technology Madras

swayam

Roll No: NPTEL23CS99S15324304 | To verify the certificate | No. of credits recommended: 1 or 2

NPTEL Online Certification

This certificate is awarded to
RATHISH
for successfully completing the course

Programming, Data Structures and Algorithms using Python

with a consolidated score of **52** %

| Online Assignments | 21.88/25 | Proctored Exam | 30/75 |

Total number of candidates certified in this course: 1844

Prof. Devendra Jalihal
Chairperson,
Centre for Outreach and Digital Education, IITM

Jan-Mar 2023
(8 week course)

Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras

Indian Institute of Technology Madras

swayam

Roll No: NPTEL23CS15S14340622 | To validate the certificate | No. of credits recommended: 2 or 3

NPTEL Online Certification

This certificate is awarded to
SATHYA PRIYA S
for successfully completing the course

Programming in Java

with a consolidated score of **70** %

| Online Assignments | 24.25/25 | Proctored Exam | 45.74/75 |

Total number of candidates certified in this course: 11713

Jul-Oct 2023
(12 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

NPTEL Online Certification — Elite

This certificate is awarded to
ANUSHIYA M
for successfully completing the course

Python for Data Science

with a consolidated score of **60** %

| Online Assignments | 25/25 | Proctored Exam | 34.58/75 |

Total number of candidates certified in this course: 7596

Prof. Devendra Jalihal
Chairperson,
Centre for Outreach and Digital Education, IITM

Jul-Aug 2023
(4 week course)

Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras

Indian Institute of Technology Madras

swayam

NPTEL Online Certification — Elite

This certificate is awarded to
AGINAS B
for successfully completing the course

Python for Data Science

with a consolidated score of **68** %

| Online Assignments | 24.17/25 | Proctored Exam | 43.75/75 |

Total number of candidates certified in this course: 7596

Prof. Devendra Jalihal
Chairperson,
Centre for Outreach and Digital Education, IITM

Jul-Aug 2023
(4 week course)

Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras

Indian Institute of Technology Madras

swayam

Roll No: NPTEL23CS99S25330181 | To verify the certificate | No. of credits recommended: 1 or 2

II YEAR A SECTION
BATCH: 2022-2026

II YEAR B SECTION
BATCH: 2022-2026

IIIYEAR A SECTION
BATCH: 2021-2025

III YEAR B SECTION
BATCH: 2021-2025

SPONSOR DETAILS

Sathya Priya (2021-2025)

Sriram Kumar (2021-2025)

Our sincere gratitude for your exceptional effort in securing sponsorship for National level Symposium. Your dedication and hard work have been instrumental in making this sponsorship a reality, and we are incredibly grateful for your contribution.

ALUMNI SPONSORS

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Abilash

Kishore

On behalf of Jeppiaar Engineering College, we would like to express our sincerest gratitude for your generous sponsorship for a National Level Symposium. Your support has played a crucial role in making our goals a reality, and we are incredibly thankful for your contribution.

A HERO CAN BE ANYONE...

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