

PANIMALAR ENGINEERING COLLEGE
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
CODERS FORUM

Year & Month of Establishment: 25th July 2023

Objective:

A Coders Forum Community for engineering undergraduate students and Professionals our main motto is:

1. Collaboration

We believe in the power of teamwork and cooperation. We welcome individuals from diverse backgrounds, experiences, and skill levels. In our community, everyone's voice is valued and respected. By collaborating and supporting each other, we can achieve greater heights and solve complex problems together.

2. Continuous Learning

Learning is a lifelong journey, and we are committed to fostering a culture of continuous growth and improvement. Our community thrives on sharing knowledge, experiences, and insights to help one another grow. We embrace new challenges as opportunities to expand our knowledge and skills.

3. Supportive Environment

We encourage open and constructive discussions. Our community provides a safe and supportive space for sharing ideas, asking questions, and seeking assistance. We lift each other up, fostering a positive and encouraging atmosphere.

Targeted Audience: Students Interested in Coding Skills

Outcomes:

1. Enhanced Skill Development
2. Networking Opportunities
3. Community Growth
4. Innovative Solutions

Faculty Convener

- Convener – V. Anitha Moses, Associate Professor / CSE

Student Coordinators – Initiators

- MADHAVA KUMAR D LEAD III Year CSE
- RISHAB HIII Year CSE
- JESWIN JOSEPH J III Year CSE
- KARTHICK VIII Year CSE

Academic Year 2024-2025

Student Coordinators- Leads

- **Lead** – Mohamed Jasim M (III CSE-G)
- **Co-Lead**– Johith Raj SS (III CSE-H)
- **Co-Lead** – Emmanuel Pritish S (III CSE-I)
- **Co-Lead** – Madhumitha V(III CSE-B)
- **Co-Lead** – Shruti S (III CSE-D)
- **Co-Lead** – Alia Fathima W (III CSE-A)

S.no	Activities	Date	No. of Students Participated	Topics Covered	Resource person
1	Meet-up 25	16-07-2024	50	1. Redux Toolkit 2. Cybersecurity Attacks 3. Data Analytics.	1. Murali Krishnan 2. Naveen Kumar 3. Mohammed Aashif.H
2	Meet-up 26	25-07-2024	50	Orientation for new members	---
3	Meet-up 27	30-07-2024	55	1. Looker 2. Automation using Python 3. Quantum computers 4. SOLID principles and design patterns	1. Harini G 2. Mohamed Jasim 3. Janani M 4. Madhavakumar D
4	Meet-up-28	6-08-2024	56	1. Speech Synthesis 2. Node.js	1. Pooja B 2. Monisha V
5	Meet-up-29	13-08-2024	55	1. Memory Management in Java 2. Introduction to Blockchain Technology 3. Quantum Computing Concepts 4. Stack Overflow Features	1. Rishab H 2. LakshmiPriyaAravam uthan 3. PathraShakthi 4. Rahul N 5. PredekshaTamilselva n

				<ul style="list-style-type: none"> 5. Neurochromic Computing 6. PostgreSQL – Allen Roddick 7. Heap Data Structure 	<ul style="list-style-type: none"> 6. Allen Roddick 7. Mohamed Jasim
6	Meet-up-30	20-08-2024	60	<ul style="list-style-type: none"> 1. Smart India Hackathon 2. Experience sharing about Smart India Hackathon 3. Stack Overflow 4. Overview of DevOps 5. Sliding window approach vs brute force methods in coding challenges 6. Bitcoin 	<ul style="list-style-type: none"> 1. Madhavakumar Dhandapani 2. Rahul N 3. Allen Roddick 4. Mohamed Jasim 5. Lakshmi Priya Aravamuthan
7	Meet-up-31	9-09-2024	45	Strategies to crack Placement rounds	Madhavakumar D
8	Meet-up-33	20-9-2024	50	<ul style="list-style-type: none"> 1. Power BI 2. Ethereum 3. Problem solving 	<ul style="list-style-type: none"> 1. Allen Roddick A 2. Lakshmi Priya A 3. Mohamed Jasim M

Convenor

V. Anitha Moses

HOD-CSE

Dr. L. Jaba Sheela

MONTHLY CONTESTS

S.no	Activity	Date	No.of Students Participated	Name of the Contest	Description	Winners
1	July monthly contest	31-07-2024	30	AUTOMATE.PY	To enhance automation skills using python among members	1 st a.Allen Roddick A b.Madhavakumar D c.Rahul N d.Bharath V 2nd a.Naveen Kumar K b.Mohammed c.Aashif H d.Avinash M 3rd a. Vikram R b. Varuun Vidyuth S A c. Thejindraprasatd K d. BalaPramithran R 3rd a.Uvashree S b.Jannat S c.Janani M d.Monisha V
2	August monthly contest	22-08-2024	25	Replica Rush	Replicating a given web page within a stipulated time.	1st: a.Monish B b.Nikitha KV 2nd: a.BalaPramithran R b.AjithaMuthuraj 3rd: a.Jannat S b.Allen Roddick
3	September monthly contest	24-9-2024	30	Pattern Craft	Design any pattern using any programming language	1st: Saikumar j 2nd: Erlina R

						3rd: Thejindraprasath k 4th: Avinash M 5th: Nikitha KV
--	--	--	--	--	--	---



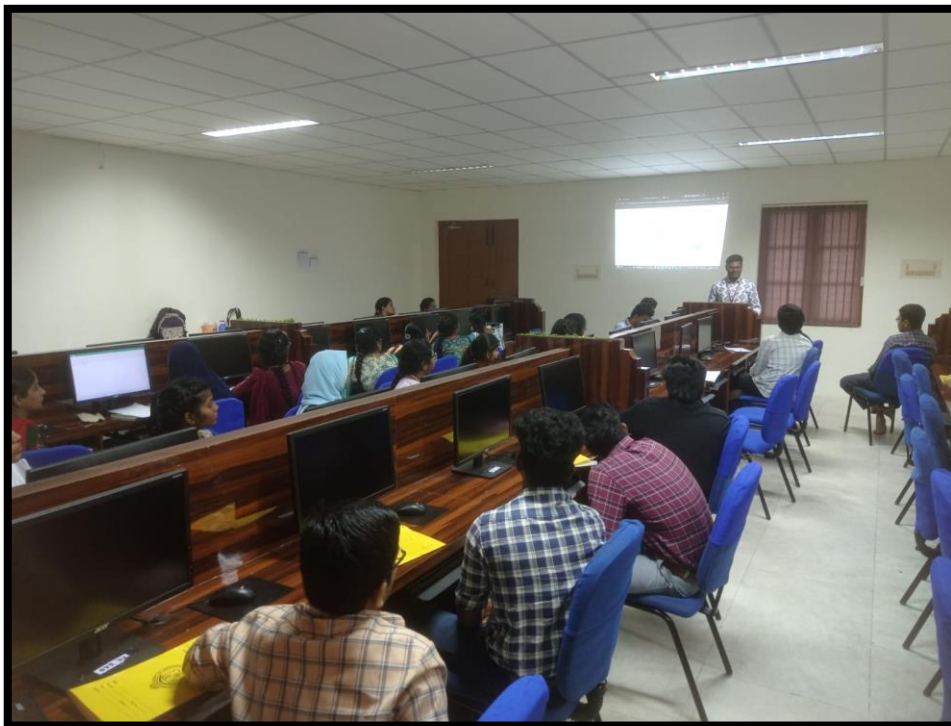
Convenor

V. AnithaMoses



HOD-CSE

Dr.L.JabaSheela



On 16th July an insightful meet-up was hosted and we had our members sharing their knowledge on various topics as follows

Murali Krishnan delivered an insightful session on **Redux** Toolkit using ReactJs. His expertise helped others understand the nuances of state management in React applications.

Naveen Kumar presented an overview on **cybersecurityattacks**. It was a wake-up call to the various cyber threats out there and how crucial it is to stay vigilant.

Mohammed Aashif .H shared insights on data analytics and gave a complete road map to learn data analytics.

Madhava Kumar D hosted an engaging session called **WhoReachestheSumFirst**. It was an aptitude game which drew active participation from members.

Monish B explained a programming problem which he solved. It was great to see everyone so engaged and enthusiastic.

codingchallengeevent was conducted in which the members competed as teams to solve a given coding problem within stipulated time.

MEET_UP 26



On 25th July We celebrated one year of Coders Forum .

We had an orientation for our new members sharing the purpose of our community and benefits of joining us.

Our senior student members and initiators delivered insightful talks, reflecting on their experiences and the impact Coders Forum has had over the past year. It was inspiring to hear their views and see their dedication to fostering a collaborative and innovative environment.

MEET_UP 27



Our 27th meet-up held on 30th July 2024 was filled with abundant amount of knowledge sharing and gaining .

Harini G delivered an insightful session on **Looker**, a powerful browser-based data analytics tool. Her explanation gave us a good understanding of How to use Looker for Data Analytics

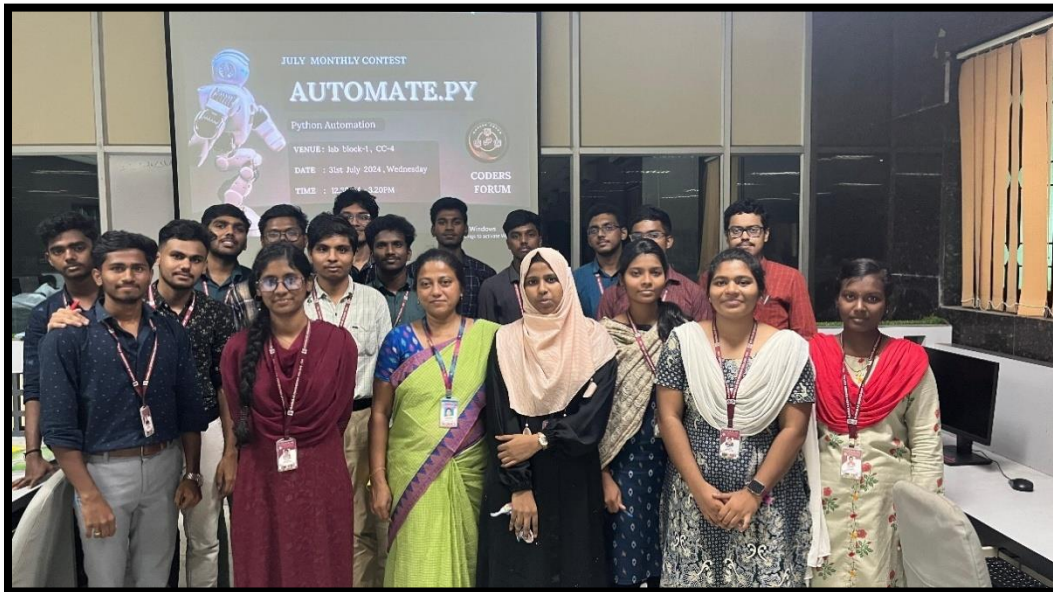
Mohamed Jasim delivered a detailed explanation of, **Automation using Python** demonstrating its practical applications.

Janani M gave us a quick technical talk about Quantum Computers which provided a clear and concise overview of this advanced technology.

Madhavakumar D explained us about **SOLID** principles, **GOF** (Gang of Four) design pattern. He also stressed us the importance of decoupling from python to gain more knowledge in Java.

We also had a group activity named “ Who Am I”, which drew active participation from our members.

JULY MONTHLY CONTEST



On 31st July 2024 we hosted our first monthly contest of the academic year “**AUTOMATE.PY**”.

This team-based contest was designed to enhance the automation skills of our members by providing a competitive platform for them .

It was a great opportunity for them to collaborate and network with other members of their team, fostering a spirit of teamwork and innovation.

MEET_UP 28





On August 6th, 2024, we successfully hosted our 28th meet-up, and here are the highlights from the gathering:

Pooja B shared her expertise on **Speech Synthesis**, providing an in-depth exploration of the latest trends and applications in the field.

Monisha V delivered an engaging presentation on **Node.js**, offering valuable insights that captivated both beginners and experienced developers.

We kicked off the event with an interactive ice-breaking session called "**Guess the Technology**," which encouraged active participation and sparked curiosity among our members.

The gathering continued with our **group activity**, "**Guess the Output**," where participants tackled challenging Java questions, fostering insightful discussions on problem-solving.

MEET_UP 29









On **13th August**, we marked our **29th meet-up**, where members gathered to exchange ideas and grow together.

Rishab H delivered an insightful session on memory management in Java, detailing its connection with the order of execution of Java code..

Lakshmi PriyaAravamuthan gave an introduction toBlockchain technology, explaining its concepts and discussing how it powers cryptocurrencies.

PathraShakthi impressed us with her explanation of Quantum computing concepts, including superposition, entanglement, and qubits, along with an overview of how classical computing differs from quantum computing.

Rahul N provided an in-depth discussion on Stack Overflow, exploring its features and highlighting how the platform serves as a valuable resource.

PredekshaTamilselvan discussed Neurochromic Computing, exploring its fundamental applications.

Allen Roddick shared his expertise on PostgreSQL, providing a clear overview and illustrating key concepts with practical examples.

Mohamed Jasim explained a coding challenge he solved using the heap data structure, emphasizing how it helped reduce the time complexity

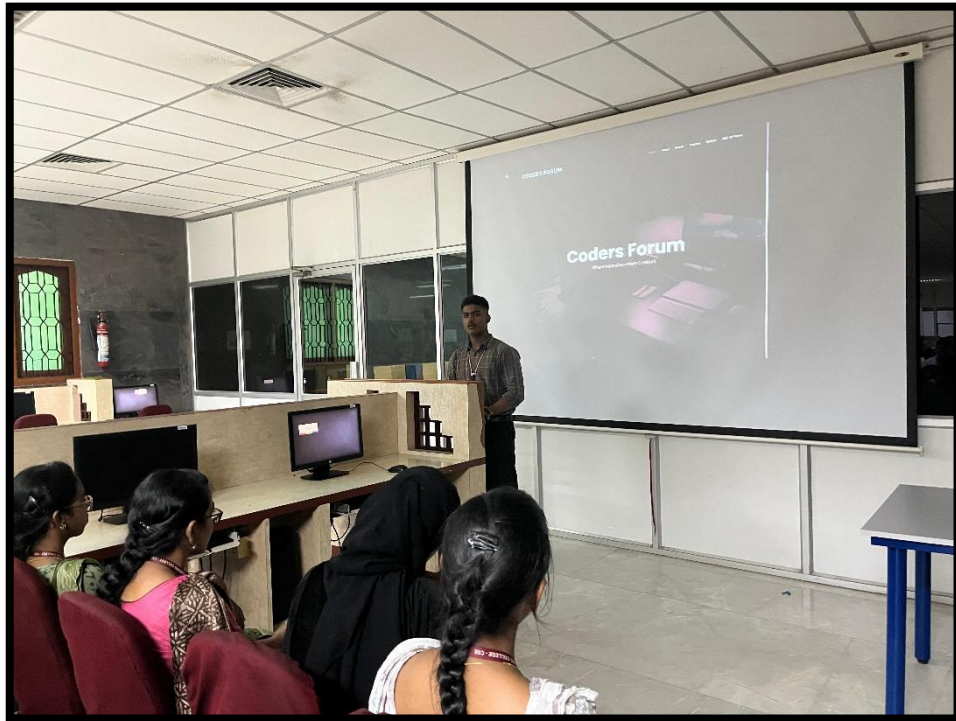
REPLICA_RUSH- AUGUST MONTHLY CONTEST



On **August 22, 2024**, we hosted an exhilarating web clone contest, **Replica Rush**, where our talented members showcased their skills by replicating a given web page within a stipulated time.

The contest was meticulously designed to challenge even the experts while remaining accessible to beginners.

The diverse skill levels of participants were put to the test, and the results were nothing short of impressive!





On 20th August 2024 we hosted our 30th meetup, and it was an incredibly enlightening experience!

MadhavakumarDhandapani shared his Smart India Hackathon experience, offering invaluable guidance to our members.

RahulN provided valuable insights on how to effectively navigate and utilize Stack Overflow for technical problem-solving and community engagement.

AllenRoddick delivered an informative session on DevOps, covering various tools essential for modern development practices.

MohamedJasim discussed the advantages of the sliding window approach over brute force methods in solving coding challenges.

Lakshmi PriyaAravamuthan gave an insightful overview of Bitcoin transactions and highlighted the crucial role of blockchain technology in cryptocurrency.

MEET_UP32

On **September 9, 2024**, we successfully hosted our **32nd meet-up**, where one of our key initiators and strategists took the stage to share his insightful **experience from the Zoho recruitment drive**. He provided a detailed account of each round, from the initial aptitude tests to the technical and HR interviews, offering an in-depth look into the challenges candidates might face. In addition to breaking down the structure of the recruitment process, he shared practical strategies and preparation tips, helping attendees understand how to best approach each stage, improve their performance, and increase their chances of success.

MEET_UP 33







On 20th September, our community came together for our 33rd Coders Forum Meet-Up, filled with insightful sessions that offered a great blend of knowledge-sharing and interactive activities.

Allen Roddick delivered an insightful explanation on Power BI with a live demonstration, showcasing its real-world applications.

Lakshmi PriyaAravamuthan provided an in-depth explanation of Ethereum, covering its core concepts and potential applications.

Mohamed Jasim provided an in-depth explanation of the Sliding Window technique, illustrating how it reduces time and space complexity compared to the traditional brute force approach, making it a more efficient solution for solving coding problems.

Following this, we had a **10-minute coding challenge** where members were tasked with writing a solution to a given problem – a great test of coding skills under time pressure!

We ended the session with an **Open Discussion** on various tech topics, which saw active and engaging participation from all attendees.

Convenor
V. AnithaMoses

HOD-CSE
Dr.L.JabaSheela

Academic Year 2023-2024
CODERS FORUM ACTIVITIES

S.no	Activities	Topics	Date	No. Of Students	Resource person
1	Contest	PEC Code Quest	23-01-2024	25	-
2	Contest	Coffee With Java	26-02-2024	20	-
3	Hackathon	March Hackathon	15-03-2024	25	-
4	Contest	Matricks	27-07-2023	20	-
5	Contest	#Hashking #INCLUDE <CRAZE.C>	29-08-2023	20	-
6	Contest	King Python	26-09-2023	20	-



Convenor

V. AnithaMoses



HOD-CSE

Dr.L.JabaSheela

1. PEC Code Quest



Serving as more than just a contest, our primary objective is to provide a dynamic learning platform where individuals, regardless of their coding proficiency, can cultivate and refine their skills. The contest's challenges are meticulously crafted to stimulate problem-solving abilities, enhance algorithmic thinking, and contribute to the continuous growth of participants in the ever-evolving landscape of programming.

In addition to skill development, the PEC Code Quest aims to foster a sense of community and recognition. Through dedicated forums and networking opportunities, participants have the chance to connect with like-minded individuals, sharing insights and experiences. Our commitment to diversity ensures an inclusive environment, welcoming participants from all backgrounds. Whether you're a seasoned coder or a newcomer, your contributions are celebrated, and the contest serves as a stage for recognition. Join us in the PEC Code Quest 2024, where we not only celebrate coding excellence but also cultivate a genuine passion for programming, making this quest an enriching and memorable experience for all participants.

2. Coffee with Java



It was an engaging and highly competitive coding contest designed to elevate Java programming skills. This event brought together a diverse group of participants, all eager to challenge themselves and demonstrate their expertise in Java.

"Coffee with Java" aimed to foster a dynamic learning environment while providing an opportunity for participants to refine their coding abilities. Through a series of challenging problems and real-world scenarios, the contest encouraged participants to apply their knowledge in innovative ways.

3. March Hackathon



In March, Coders Forum hosted the "March Hackathon," designed to enhance skills through live building and collaboration. Participants were tasked with developing a dynamic quiz application featuring a live leaderboard and admin controls for creating new quiz challenges. The event provided valuable hands-on experience and prepared members for future hackathons. Active

engagement and innovative solutions showcased participants' technical abilities and teamwork. We are thrilled with the outcomes and look forward to future events that continue to foster growth and collaboration.

4. Matricks



It was a highly anticipated event hosted by Coders Forum, where coding enthusiasts from diverse backgrounds came together to showcase their technical prowess and problem-solving abilities. The contest provided participants with a platform to engage in thrilling coding challenges that tested their coding skills, logic, and creativity

5. #HASHKING



We hosted the Hashing Mastery Contest, a captivating event designed to explore the depths of hashing techniques. Participants tackled a series of challenging problems that required them to leverage hashing algorithms to optimize performance and solve complex issues.

The contest provided an exciting platform for competitors to demonstrate their coding prowess and creativity. By addressing various problem-solving scenarios, participants showcased their expertise and gained deeper insights into hashing applications.

6. #INCLUDE <CRAZE.C>



A competition that will enhance your coding skills, ignite your love for C programming, and recognize your commitment to mastering the complexities of the C language.

7. King Python



It was dynamic coding event focused on enhancing participants' Python problem-solving skills. The contest featured a series of challenging problems designed to test and improve participants' coding abilities. Members actively engaged, showcasing their expertise and creativity in tackling complex scenarios. The event aimed to refine problem-solving techniques and provided a platform for demonstrating advanced Python skills. We are excited about the enthusiastic participation and innovative solutions presented. "Python King" was a valuable experience, fostering skill development and contributing to the growth of our coding community.

Convenor

V. AnithaMoses

HOD-CSE

Dr.L.JabaSheela