



Department of Information Technology

# INFOQUEST

Technical Magazine

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Technology,NPT MCET campus, Udumalai  
road,Pollachi-642003,Coimbatore District ,  
Tamilnadu,India





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## **Programme Educational Objectives (PEOs)** **B.Tech. Information Technology graduates will:**

**PEO1.** Technical Expertise: Have high level of technical competency to identify problems and to generate innovative solutions, which would conform to the needs of IT industry.

**PEO2.** Lifelong learning: Successfully adapt to changes in roles and responsibilities, through lifelong learning, for collaborating professionally with various stakeholders.

**PEO3.** Ethical Knowledge: Ethically apply their computing knowledge and skills considering societal, economic and environmental factors



## **Programme Outcomes (POs)**

**The graduates of Information Technology Programme will be able to:**

**PO 1.** Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.


**PO 2.** Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

**PO 3.** Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

**PO 4.** Conduct investigations of complex problems: Use research based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

**PO 5.** Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations

**PO 6.** The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.



**PO 7.** Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.


**PO 8.** Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

**PO 9.** Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

**PO 10.** Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

**PO 11.** Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

**PO 12.** Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.




## Programme Specific Outcomes (PSOs)



**PSO 1.** Build the practical expertise by employing emerging technologies and open source platforms.

**PSO 2.** Develop, improve, and implement computer algorithms while using multidisciplinary expertise for creating novel ideas





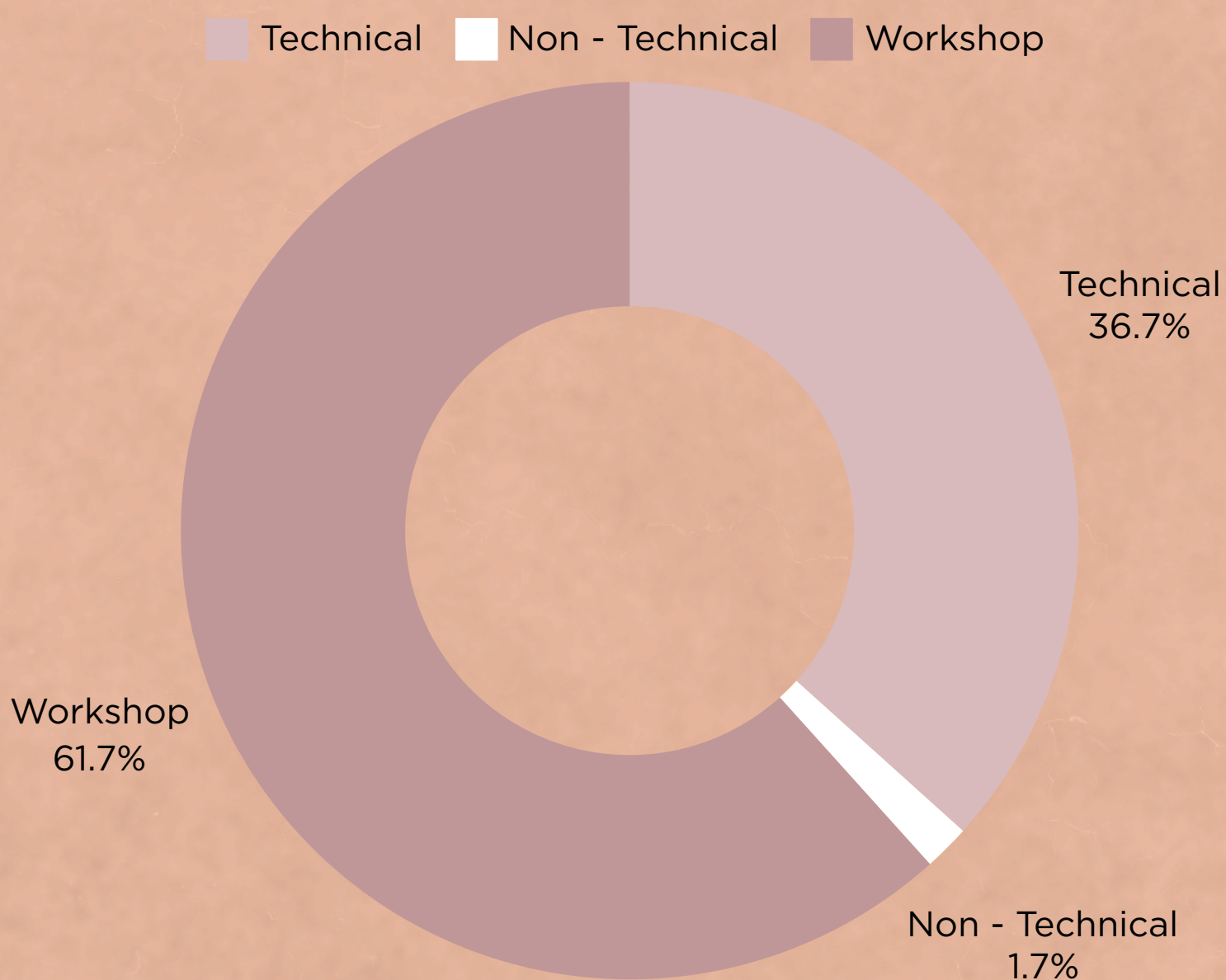
# **STUDENTS ACTIVITIES**



# Details of Students Participations in Co-Curricular(Participation)



EVENTS	NO.OF STUDENTS PARTICIPATED
Technical	92
Non Technical	54
Workshop	189







# **STUDENTS ACHIEVEMENTS**





# SRMS Hackathon 2.0-2024



**22bit051 - Haridharushan SV, 22bit072 - VasanthaKumar V  
22bit075 - Nisschal K R, 22bit043 - Pon Amarnath K  
23bit308 - Ezhilarasan PM, 22bit055 - Jawahar D  
had won 36 Hours Hackathon held at SRMS, Bareilly, UP**



**K.Kanimozhi of II-IT-B had received certificate of appreciation by securing top 30 ranking out of 10,000 participants for Engineers day contest 2024 organized by Imagecon Academy.**



**NCC Camp held at Karunya Conference Centre from 17.7.2024 to 26.7.2024. In that camp, Mr.Sudarshan of III-IT-B selected as The Parade Commander and Lead a Contingent Parade. Received the Medal from Lt Col Lr Oinam Sir Cuo of 4 Tn Bn NCC Army Battalion.**

**23BIT027-Sandeep Maurya-II-IT-A, 23BIT043-S.Jeeva-II-IT-A, 22BIT129-P.Udaya Kumar-III-IT-A and 22BIT125-K.S.Kanishkar-III-IT-A had participated in flood football tournament and won the match organized by NGM College from 29.08.2024 to 30.08.2024.**



**Mr.V.UdayaKumar (II- IT-A) recognized as NPTEL Discipline Star in CSE during Jan-April 2024.**





**Kaviya.R(23BIT0122) and Divya.P(23BIT024) of II-IT B had won II prize with cash award of Rs 750 in enhancing web event at Spectra'24 national level symposium organized by Kongu Engineering College,Erode.**



**Varnikhaa.D (23BIT121) and Sruthi.M(23BIT011) of II-IT-A had won third prize in non technical quiz in Digiflash organized by CSE, Dr.MCET on 24.10.2024.**



**Lalith Kishore.J(23BIT075) of II-IT-A had won second prize in webzilla 2.0 in Digiflash organized by CSE, Dr.MCET on 24.10.2024.**



**N.L Sabarinathan and Tharunprakash.V of II- IT-A had won first prize in Quiz conducted by department of ECE ,Sri Krishna College of Engineering and Technology, Coimbatore on 09.10.2024.**



**FACULTY  
ACHIEVEMENTS**





# Dr.S.Ramakrishnan

## Senior Professor-Dean R&I

### Top 2 % Scientists

### Scholarly Profile Metrics

#### Ramakrishnan, S.

[Dr.Mahalingam College of Engineering & Technology, Pollachi, India](#)

57193998513

<https://orcid.org/0000-0002-8224-4812>

[View more](#)

1,244

Citations by 1,123 documents

88

Documents

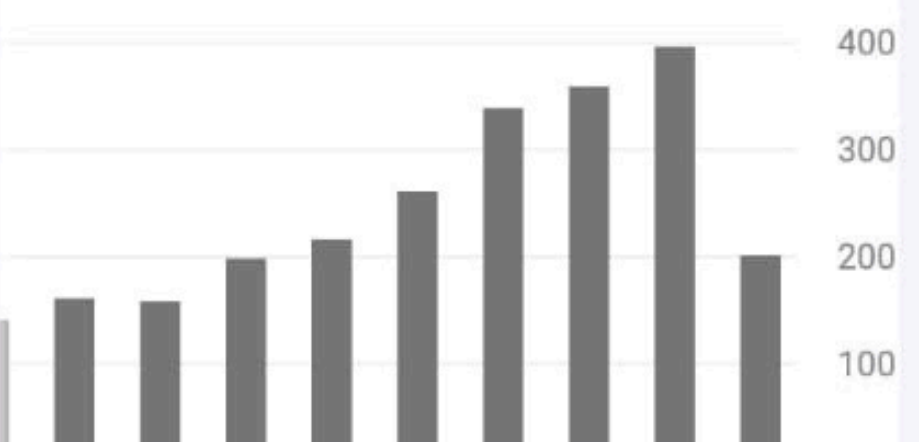
20

h-index [View h-graph](#)

[View all metrics >](#)

ARTICLES CITED BY PUBLIC ACCESS CO-AUTH

	All	Since 2019
Citations	2939	1777
h-index	30	23
i10-index	63	47



#### Ramakrishnan, S.

Dr.Mahalingam College of Engineering & Technology, IND

Year 2023 Rank: 196506

**Main Field:** Information & Communication Technologies  
H-index: 9, Hm-index: 5.83

**Sub Field:** Artificial Intelligence & Image Processing  
Rank in the SubField: 7186

Top 2% Listed Year(s): 2024



<https://TopResearchersList.com/>



ELSEVIER



Stanford University



**Mr.N.Praveen                      Sundara                      Kumar,AP(SS)/IT,  
Mr.R.Prabhu,AP/IT recognized as NPTEL Discipline  
Stars in CSE during Jan-April 2024.**







**Mr.J.Dhyaneswaran AP(SS)-IT has received Oracle Cloud Infrastructure 2024 Generative AI Certified Professional Certification by Oracle Corporation on 29.07.2024.**



**CREATIVE  
CORNER**





**PHOTOGRAPH**





**Haridharushan S V**  
**22BIT051**

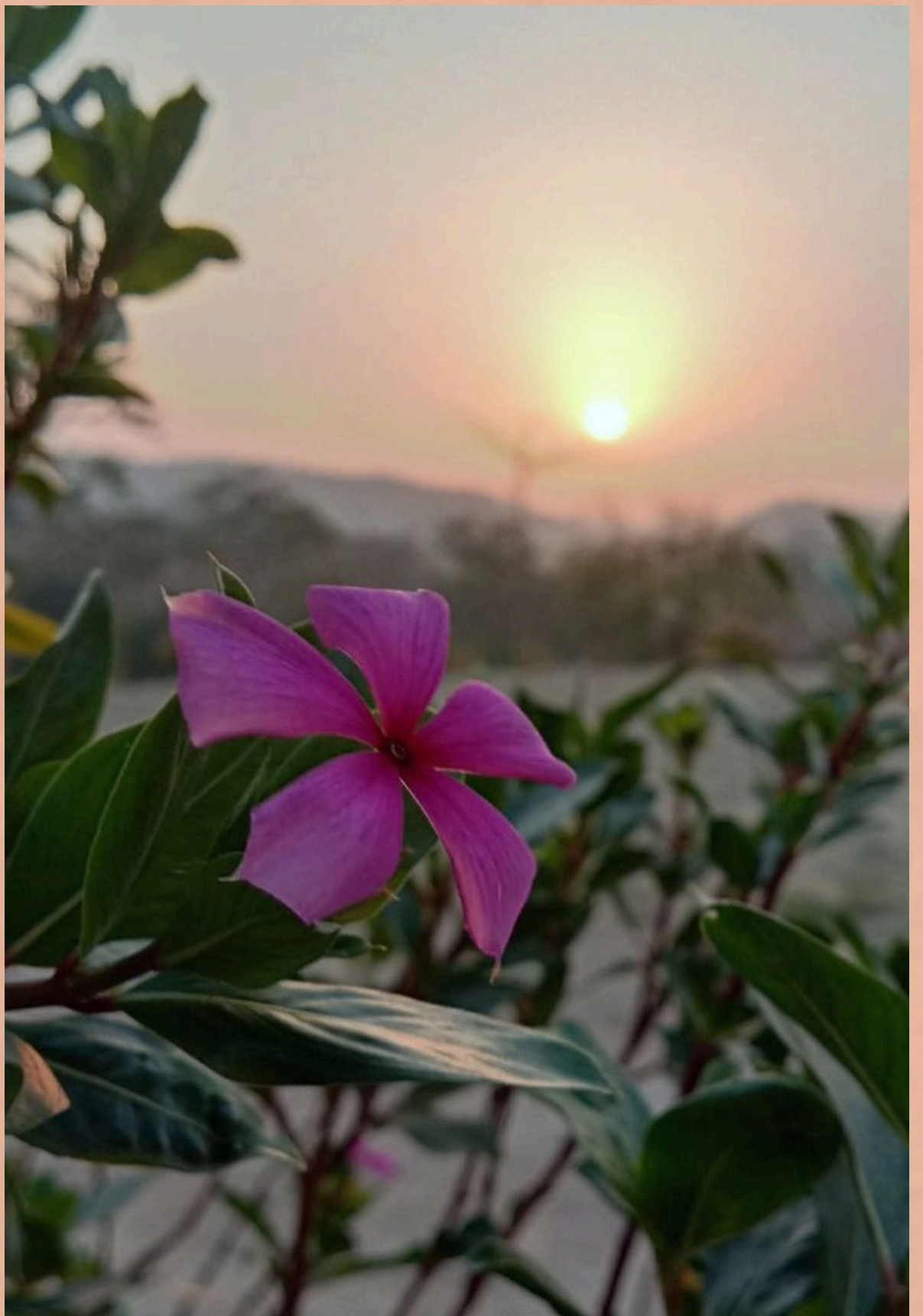
**Vikas G**  
**22BIT069**





**Kunguma Nitharshana J**  
**727623BIT126**

**Vishmitha M**  
**22BIT041**





# **DRAWINGS**

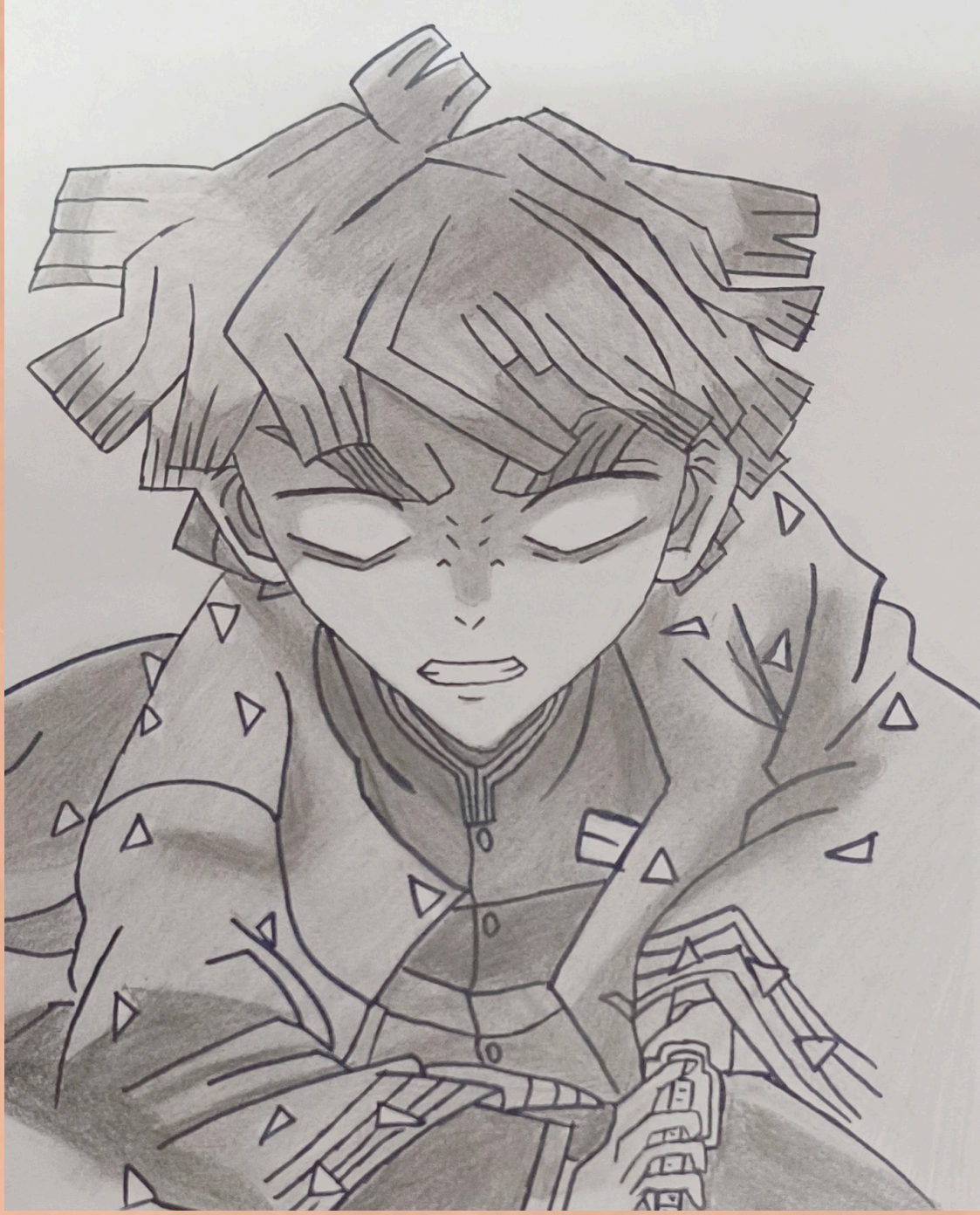




**S. Eshalini**  
**23bit125**

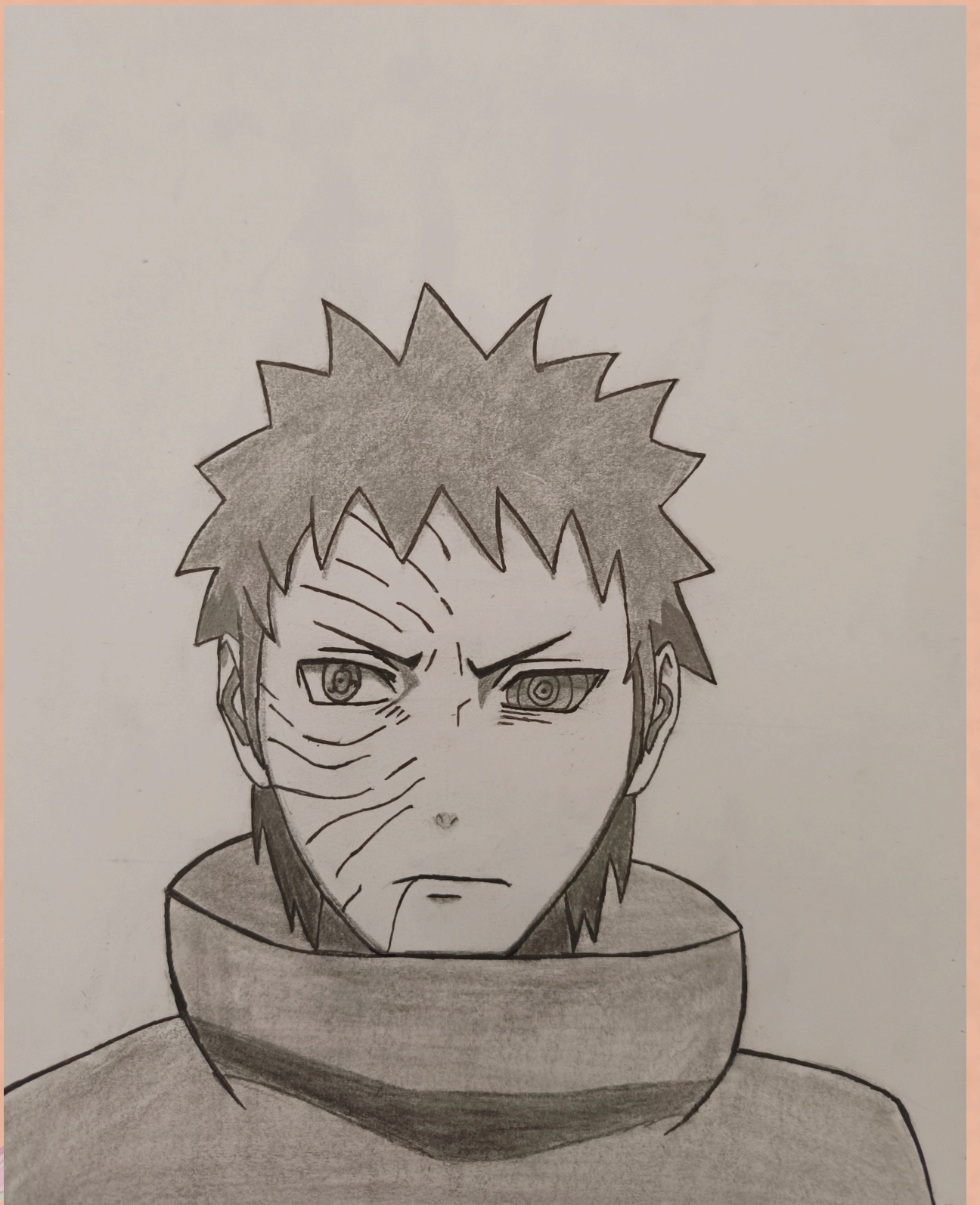
**S. Eshalini**  
**23bit125**





**Vignesh S**  
**22BIT101**

**Vignesh S**  
**22BIT101**



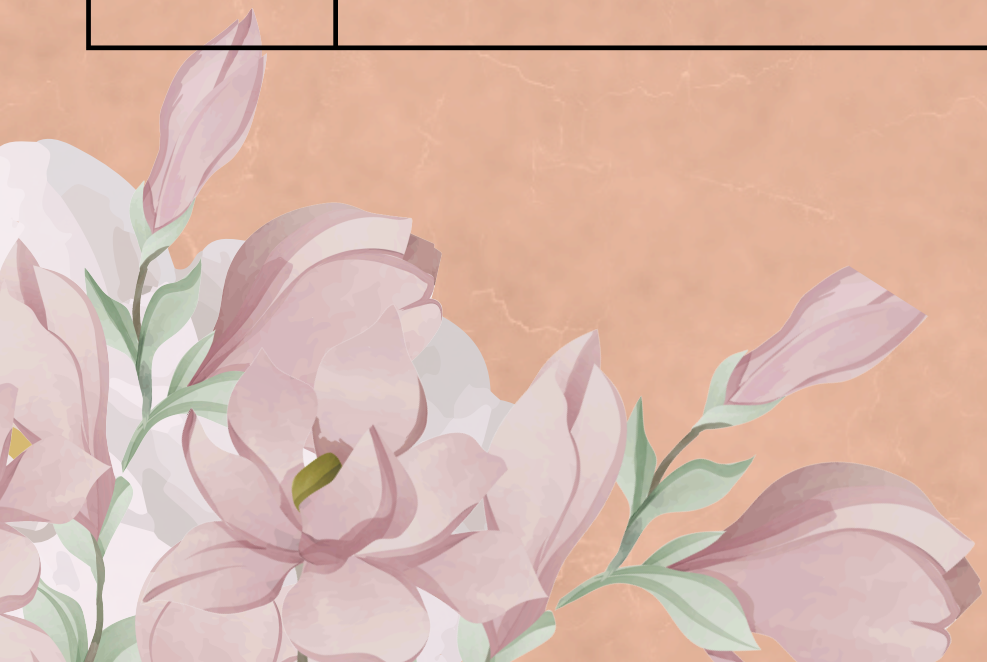




# **PLACEMENT RECORDS**



<b>SNO</b>	<b>COMPANY</b>	<b>NO OF STUDENTS PLACED</b>
<b>1</b>	<b>Jingus Labs</b>	<b>1</b>
<b>2</b>	<b>Mitsogo</b>	<b>1</b>
<b>3</b>	<b>Trustt (formerly Novopay)</b>	<b>1</b>
<b>4</b>	<b>MGH Infrastructures Private Limited</b>	<b>1</b>
<b>5</b>	<b>Atozerv India Pvt. Ltd</b>	<b>10</b>





<b>SNO</b>	<b>COMPANY</b>	<b>NO OF STUDENTS PLACED</b>
<b>6</b>	<b>Internzvalley</b>	<b>9</b>
<b>7</b>	<b>VRV Security</b>	<b>1</b>
<b>8</b>	<b>ArchTech</b>	<b>1</b>
<b>9</b>	<b>ADVI</b>	<b>1</b>
<b>10</b>	<b>Internz Learn</b>	<b>1</b>





# ARTICLES



## The Impact of Artificial Intelligence on Society

Artificial Intelligence (AI) is transforming the world at an unprecedented rate, influencing industries, businesses, and daily life. From virtual assistants to self-driving cars, AI is becoming an integral part of our society, offering both opportunities and challenges.

One of the biggest advantages of AI is efficiency. It automates repetitive tasks, increases productivity, and reduces human errors. In healthcare, AI-powered systems can detect diseases early, assist in surgeries, and improve patient care. In finance, AI helps detect fraudulent transactions and enhances decision-making processes. AI is also revolutionizing customer service, making interactions smoother and more personalized through chatbots and recommendation systems.



However, AI is not without its challenges. The rise of automation threatens job security, as machines replace human workers in various industries. While AI creates new job opportunities, many fear that it will leave a large portion of the workforce struggling to adapt. Privacy is another major concern, as AI-driven data collection raises questions about how personal information is used and stored. Ethical concerns regarding bias in AI algorithms and the potential misuse of AI technology also pose risks to society.

Despite these challenges, the future of AI depends on how responsibly it is developed and implemented. Governments and organizations must establish regulations to ensure AI is used ethically and transparently. Investing in education and training programs can help people adapt to an AI-driven world, ensuring that technology benefits everyone.

AI is a powerful tool that, when used wisely, can enhance human capabilities rather than replace them. While it presents risks, its potential for improving lives and solving global challenges is immense. The key to a balanced future lies in responsible innovation, ensuring that AI serves humanity rather than disrupts it.

# The Role of 5G in Transforming the Future

The arrival of 5G technology marks a new era in connectivity, promising faster internet speeds, lower latency, and improved network reliability. This next-generation technology is set to revolutionize industries such as healthcare, transportation, entertainment, and smart cities, creating new possibilities that were previously unimaginable.

One of the most significant advantages of 5G is its speed. It is expected to be up to 100 times faster than 4G, allowing users to download large files in seconds and stream high-definition content without buffering. This speed will enhance the user experience in gaming, virtual reality (VR), and augmented reality (AR), making immersive experiences more accessible.

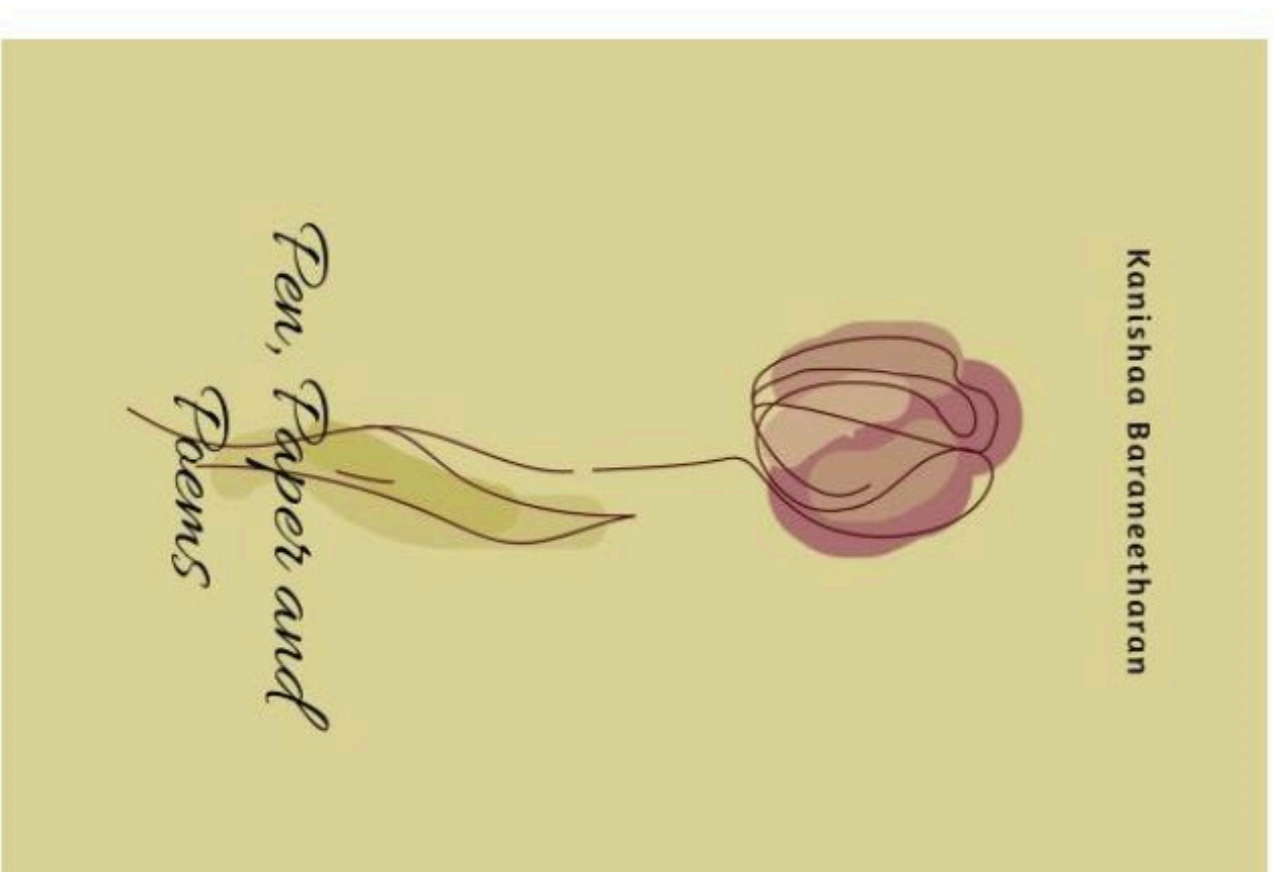


Beyond personal use, 5G is set to transform industries. In healthcare, it enables remote surgeries and real-time patient monitoring, allowing doctors to provide better medical care regardless of location. In transportation, self-driving cars will rely on 5G for instant communication with other vehicles and traffic systems, improving road safety and efficiency. Smart cities will benefit from 5G-enabled sensors, optimizing traffic flow, energy consumption, and public safety. Despite its potential, the rollout of 5G faces challenges. The high cost of infrastructure development and concerns over data security and privacy remain major obstacles. Some fear that increased connectivity could lead to cyber threats, requiring stronger security measures. Additionally, debates over the environmental impact of 5G technology continue, as maintaining high-speed networks demands significant energy consumption.

As 5G continues to expand, it is crucial to ensure responsible implementation. Governments and technology companies must work together to address security risks and ensure accessibility for all. If managed effectively, 5G has the power to reshape communication, enhance innovation, and create a more connected and efficient world. The future of connectivity has arrived, and 5G is leading the way.

# Sun and the moon

Oh darlin, this ain't love.  
Never does our eyes fall on the moon  
But on the tiny stars .  
Guys fall upon like stars  
For only did the sun knew , moon loved it.  
The dark peaceful night sky would blush .  
It would know to have trust.  
Sun shining for the moon that  
It reflects it's love as beauty.  
" Why do the stars shine near my moon ? "  
Even the moon couldn't answer,  
Still silent and profound ignorance was  
Presented for the stars.  
Eclipses are just sorry hugs for the earth  
To not to die in the absence of love light  
That the moon and Sun share for eachother.



Scan here  
to buy the book

Pen,Paper and Poems is book that has a collection of handwritten poems that touch your heart deep. A filler to your empty minds and a key to escape reality and get lost in the world of delusion. For someone reading it may distribute even silence in the head, that is what poems are written for, for you especially.

KANISHAA BARANEETHARAN  
727624BIT096  
1ST YEAR IT B



# FACULTY CO-ORDINATOR



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