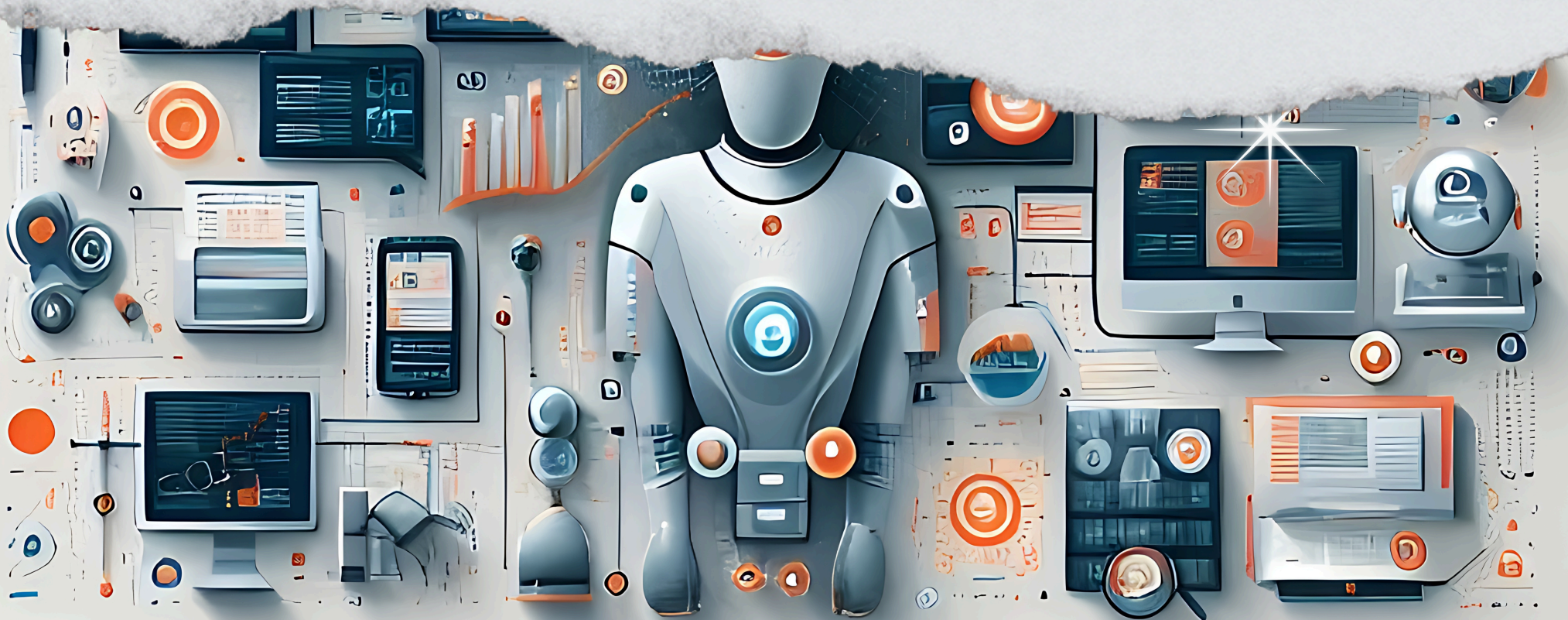


# DEPT. OF AI & ML



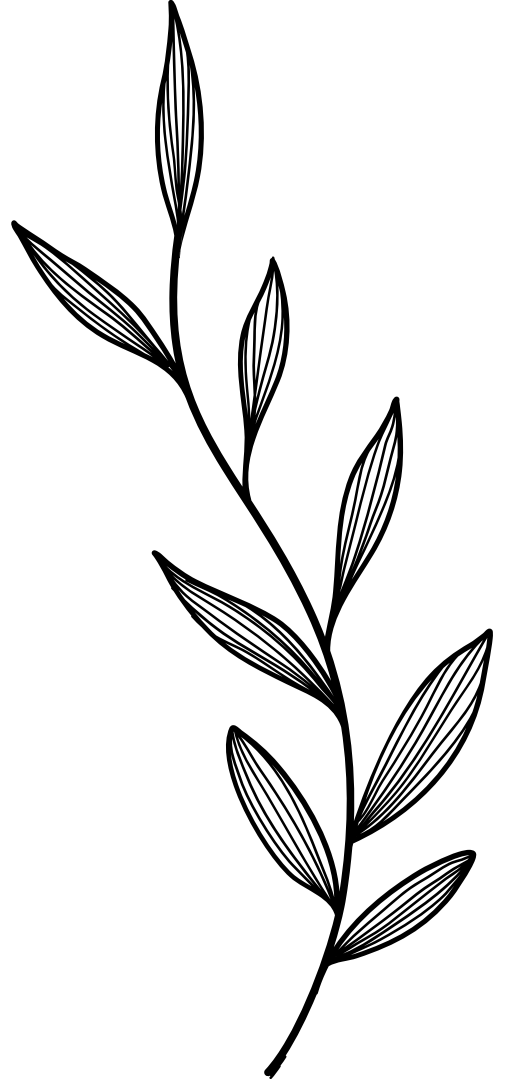
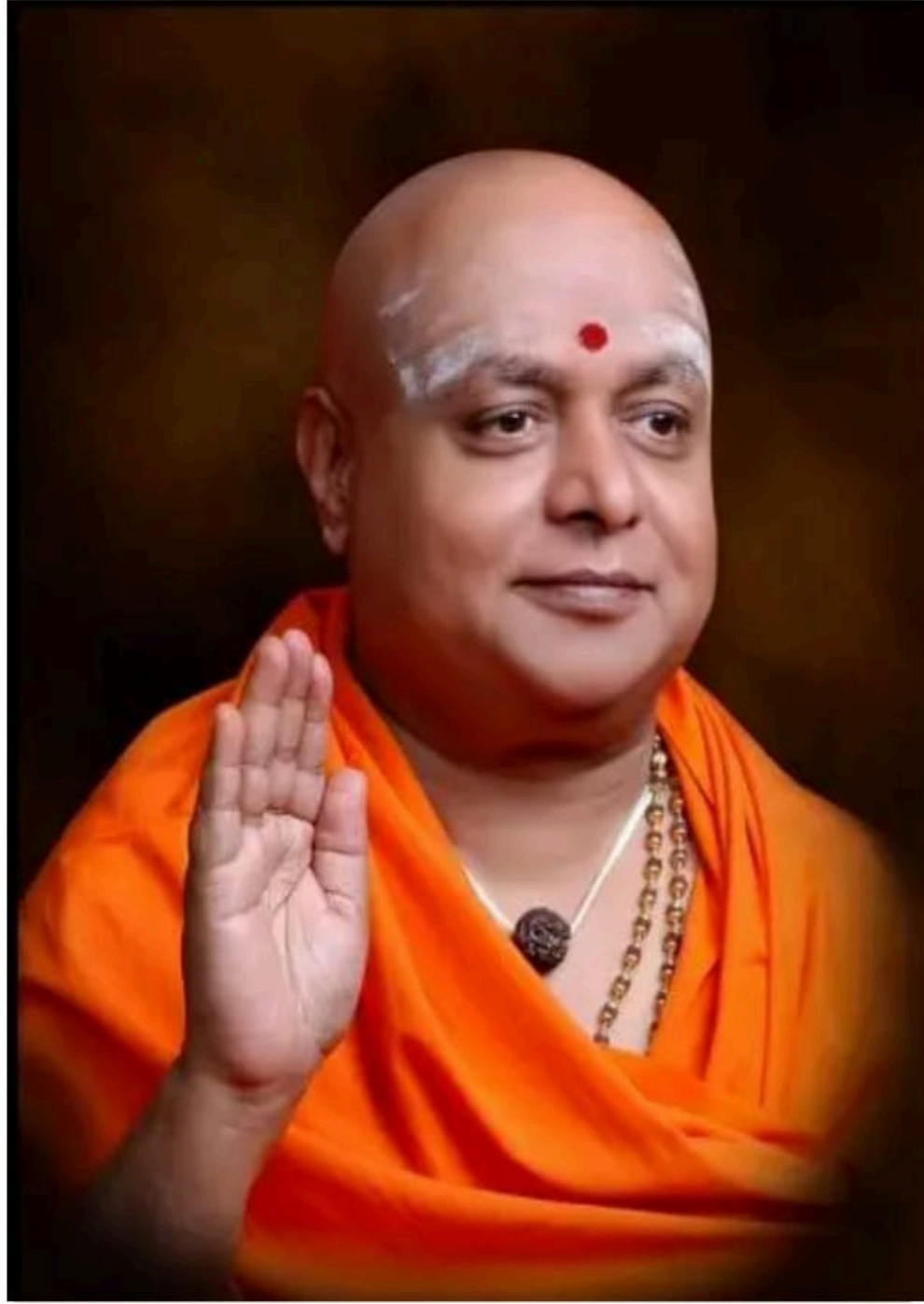
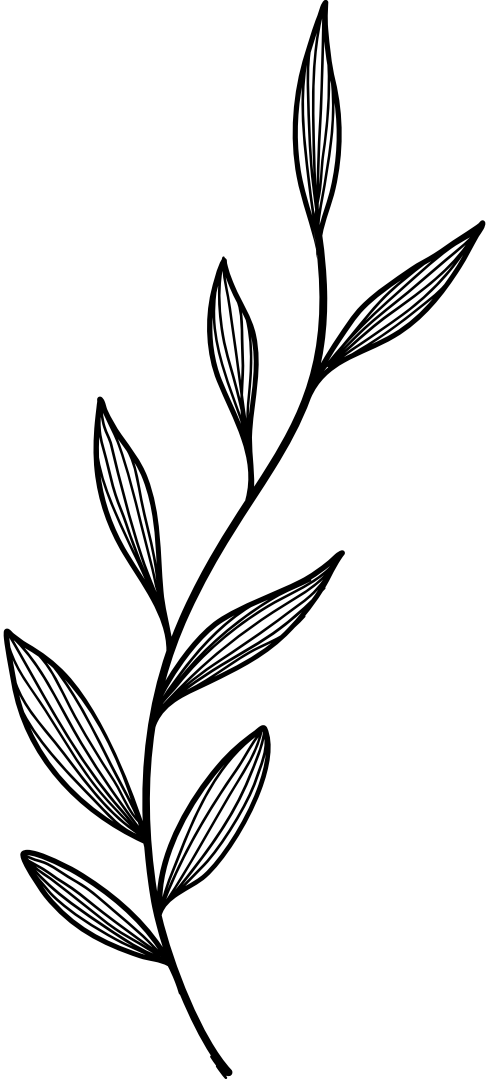
# AI FRONTIER



# AI FRONTIER

2023-24

**||JAI SRI GURUDEV||**



**Sri Sri Sri Dr. Balagangadharanatha Maha  
Swamiji**

**Founder President,**

**Sri Adichunchanagiri Shikshana Trust®**

**||JAI SRI GURUDEV||**



**Sri Sri Sri Dr. Nirmalanandanatha Maha  
Swamiji  
President,  
Sri Adichunchanagiri Shikshana Trust®**



# Blessings....!

Volume-1

Issue-1,

March 2023–  
June 2024

*Once all the gods assembled to decide the most secured place to keep the “Atma-Gnana” so that human beings cannot access the same. In the assembly each individual god came out with his plan, so that human beings cannot steal the “Atma-Gnana”. Some said let us keep it in the sky. But immediately it was rejected because they said the human beings are likely to invent machines like aero planes and satellites with which they will steal this from the sky. Some came out with the alternative and said “Let's keep it in the sea.” Pat came the answer: “If men can steal it from the sky, will they not steal it from the sea?”. The suggestion that it is better to keep it at the top of a mountain was rejected outright. But the Supreme God had his plan very well cut out. If men are going to steal 'Atma-Gnana if kept elsewhere why not keep it within them so that they will safeguard it since they are made its custodians. Then He kept it within the safe vault of everybody's heart. But the pity is that we are searching for Atma-Gnana though it is kept firmly within the hearts of everybody like the proverbial deer searching for 'Kasturi' thinking that the fragrant thing is not within itself but somewhere outside. It will search for the same everlastingly. Likewise, the Supreme Lord sent us to this world instructing us to find out the most precious thing called “AtmaGnana” within us. Not realizing this man goes to the mountains in search of God; he goes to the forest to renew his search and goes to temples for the same purpose. Not that God is not there in these places. Have not our elders assured us time and again God resides in the speck of dust and in the woods as well as blades of grass also. They have further said that there is no place on earth where there is no God. That is true. When God is everywhere, then is it not true that he is within each one of us? If yes, then why do we go to temples and why do we go to the Gurus. We go there in order to purify our inner mirror. Dust settles on this inner mirror quite quickly. The dust makes it impossible to have a clear vision. If we want to have a clear vision of ourselves we need to remove the dust of ignorance. The removal of ignorance ensures clear vision.*



**CHAIR PERSON**  
**Dr. B N Shobha**  
**Principal**

**CHIEF EDITOR**  
**Dr. Siddarth B.K ,**  
**Assoc. Prof. &**  
**Head**  
**Dept. of IS&E**  
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**Asst. Prof. Dept of**  
**ISE**

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**Mrs.**  
**Sheela SK**  
**Asst. prof, Dept of**  
**IS&E**  
**Ms. Chandrika**  
**Asst. prof, Dept of**  
**AI&ML**

**Student Coordinators:**  
**Chandana G N**  
**Kruthi k v**  
**janana D N**  
**Shuddhodhana R**  
**M H Kruthik**  
**Shashanka C K**

## **VISION**

BGSIT is committed to the cause of creating tomorrow's engineers by providing quality education and inculcating ethical values.

## **MISSION**

- Imparting quality technical education by nurturing a conducive learning environment.
- Offering professional training to meet industry requirements.
- Providing education with a moral - cultural base and spiritual touch.

# **DEPARTMENT OF AI & ML**

## **VISION**

To create competent IT professionals by imparting technical skills and ethical values.

## **MISSION**

- Provide quality education to face the technological challenges to succeed in their professional careers, higher education & Research.
- Grooming students of leadership qualities, team spirits & ethical values to apply their knowledge for solving societal problems.

## **PROGRAM EDUCATIONAL OBJECTIVES**

- **PEO 1:** Have advanced knowledge and skills in diverse areas of Information Science and Engineering to develop solutions for real-world problems.
- **PEO 2 :** Graduates will be able to exhibit leadership, professional ethics, effective communication, team spirit and multi-disciplinary approaches.
- **PEO 3:** Graduates will be able to pursue higher studies, research & entrepreneurial endeavors.
- **PEO 4:** Be adaptable to rapidly changing technological advancements through continued and lifelong learning.

## **PROGRAM SPECIFIC OUTCOMES**

- POS 1:** Ability to develop, design and test software-based system for
- PSO 2:** Ability to apply knowledge to provide innovative novel solutions to existing problems by identifying research gaps.

# IOT AND CYBER SECURITY VCET PUTTUR



## WINNERS :

1. SHASHANKA C K 21AME038
2. BHARATH A E 21AME006
3. PRIYANKA M 21AME031
4. AJAY T 21AME002

# **BGS INSTITUTE OF TECHNOLOGY NATIONAL LEVEL HARDWARE HACKATHON**

**FIELD OF TECH**



## **WINNERS :**

1. SHASHANKA C K 21AME038
2. BHARATH A E 21AME006
3. PRIYANKA M 21AME031
4. AJAY T 21AME002



# BANGALORE INSTITUTE OF TECHNOLOGY INCEPTRA - 2024

FIELD OF TECH

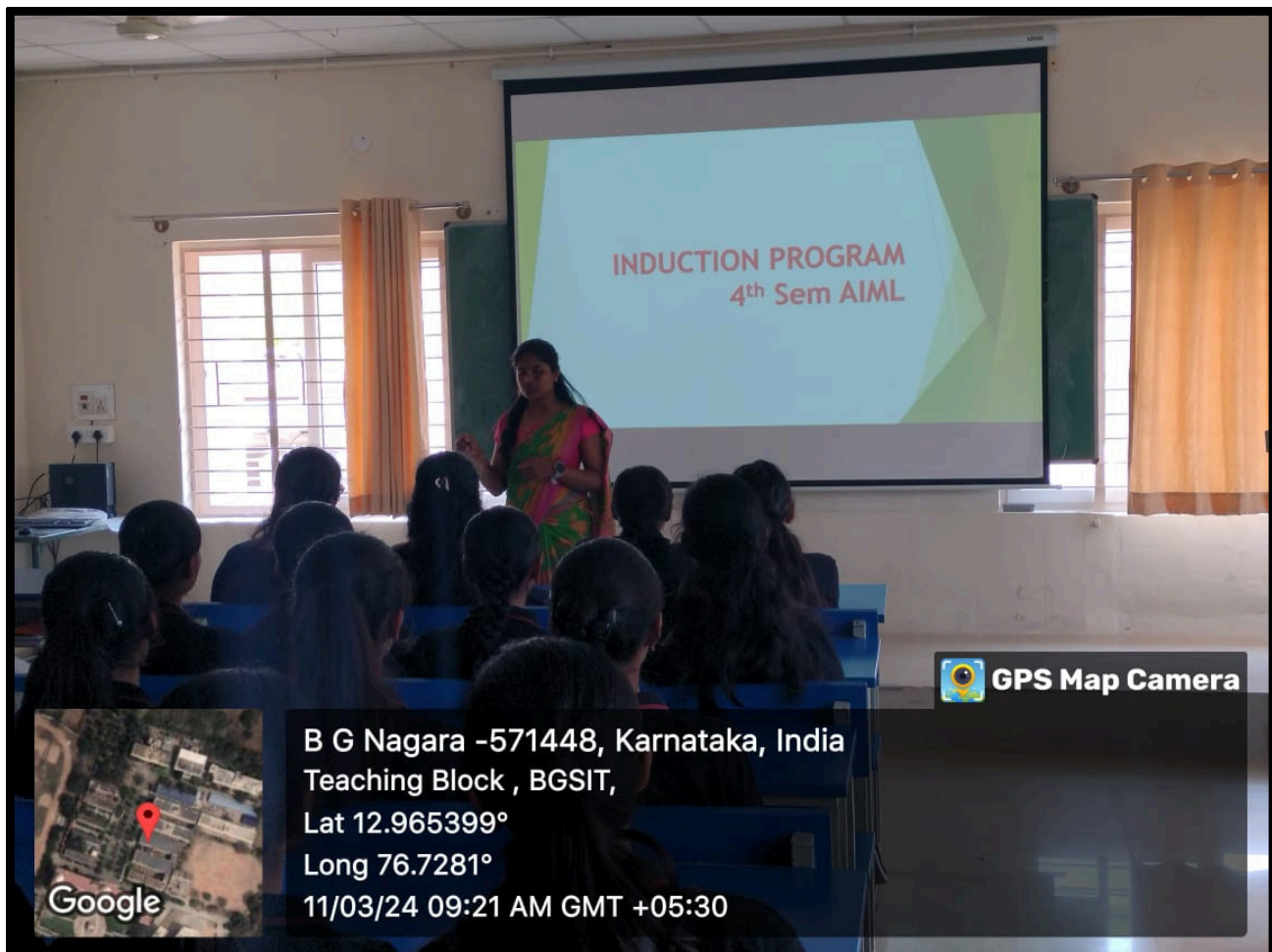


## WINNERS :

1. SHASHANKA C K 21AME038
2. BHARATH A E 21AME006
3. PRIYANKA M 21AME031
4. AJAY T 21AME002

# INDUCTION PROGRAM

FIELD OF TECH



# INDUCTION PROGRAM

congratulations to **ms.Bindu K N** on the exceptional success of the Induction Program 2024! Your outstanding leadership and meticulous planning have truly shone through in every aspect of the program's execution. From coordinating schedules to delivering insightful sessions, your dedication has ensured a seamless and enriching experience for all participants.

The professionalism and efficiency with which you managed every detail are truly commendable. It is evident that your hard work and commitment have made a significant impact, as reflected in the overwhelmingly positive feedback we've received. Participants were not only impressed by the content but also by the smooth flow and engaging atmosphere you created.

Your ability to inspire and lead by example has set a benchmark for future programs. Your expertise and passion have not only educated but also motivated everyone involved. This success is a testament to your skills in fostering learning and development.

Credits : MS. **BINDU K N**  
Asst. Professor, Dept. of  
**AI&ML**  
BGSIT

**FIELD OF TECH**

# INDUCTION PROGRAM

FIELD OF TECH



Congratulations to **Mr. Anil Kumar** on the successful completion of the induction program for the 4th semester AIML class! The image shows a classroom setting at **B G S Institute of Technology (BGSIT)** in Karnataka, India. It captures a significant moment from the induction program held on March 15, 2024.

If you need any further information or assistance related to this event, feel free to ask!

CREADITS : **MR. ANIL KUMAR**  
Asst. Professor, Dept. of **AI&ML**  
BGSIT

## ACTIVITY-2024

### The Surprise Quiz



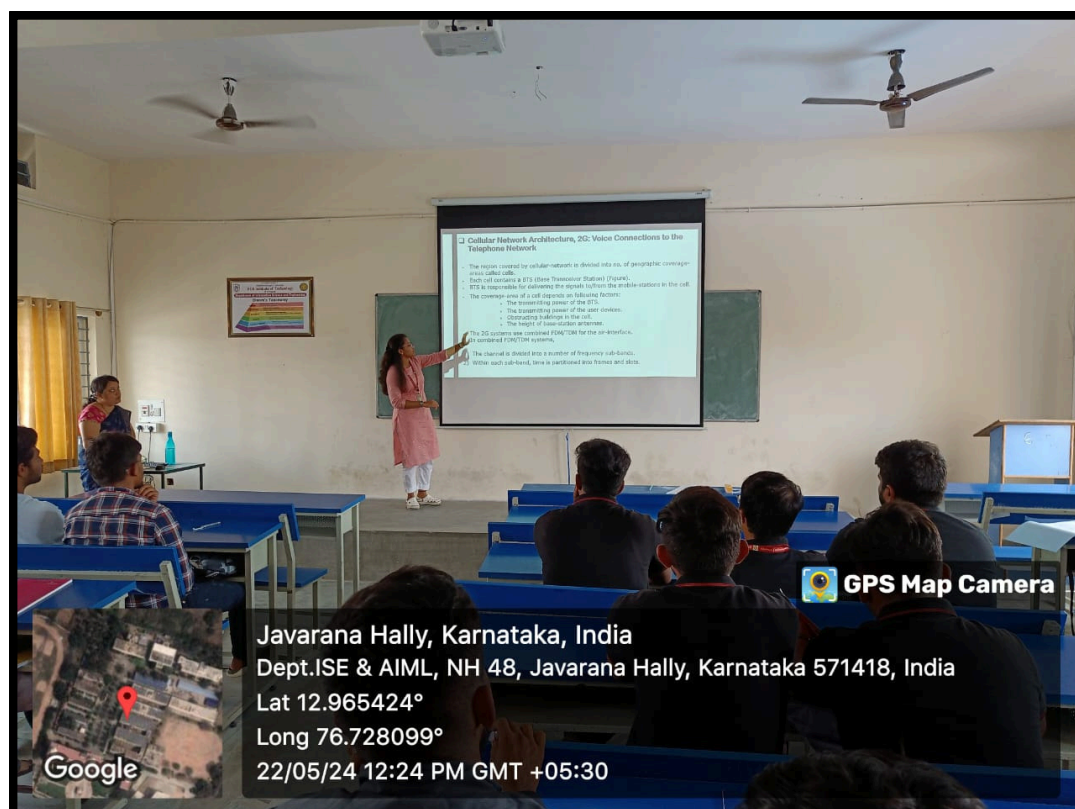
Congratulations to **Mrs. Nischitha** on the successful completion of the surprise quiz! The image captures a lively classroom session at the Department of AIML, The event took place on May 29, 2024. The classroom environment, equipped with computers and attentive students, reflects a productive and engaging learning atmosphere.

Credits : **Mrs.Nischitha**

# ACTIVITY SECTION

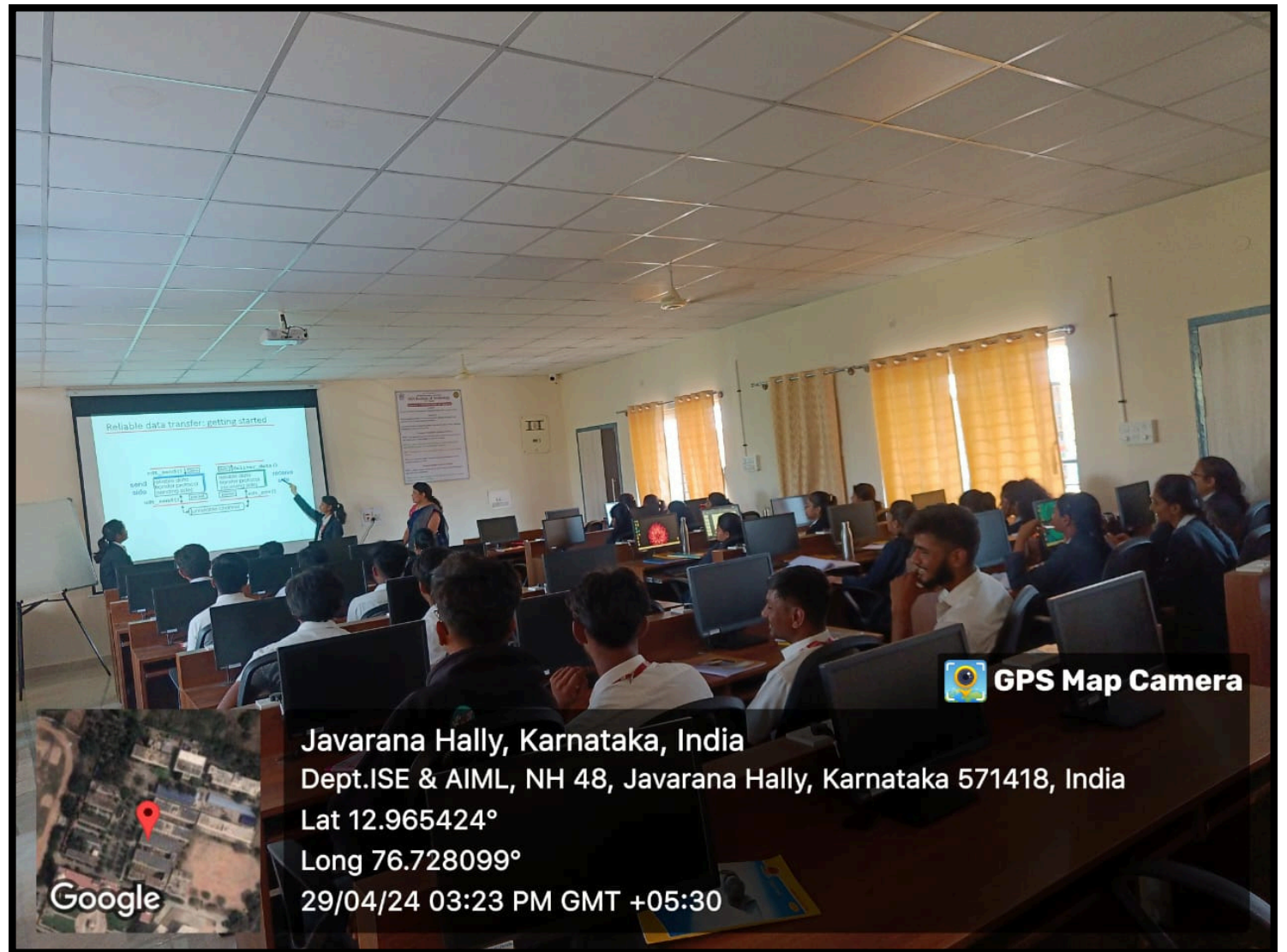
# ACTIVITY-2024

## STUDENT SEMINARS



# ACTIVITY SECTION

## ACTIVITY-2024

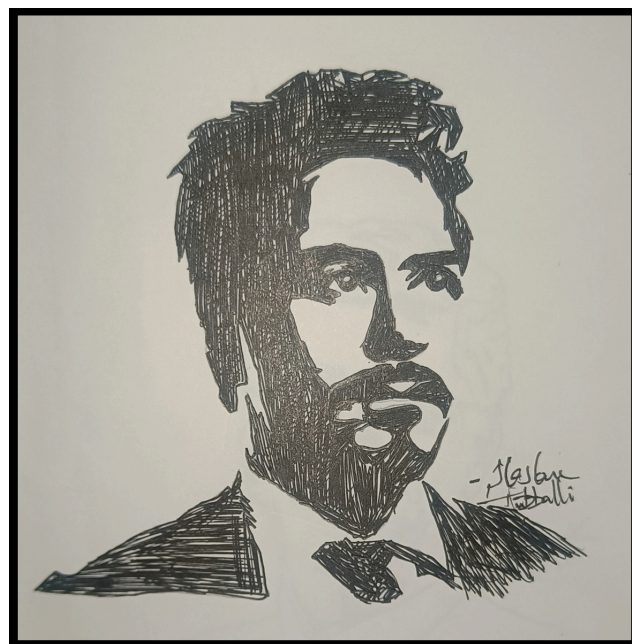


Congratulations to the students and faculty of the Department of **Artificial Intelligence and Machine Learning (AI&ML)** on the successful completion of the student seminars held in 2024! The seminars showcased the dedication and hard work of the students, who presented their research and projects with exceptional enthusiasm and depth. This event provided a valuable platform for students to share their knowledge, gain feedback, and engage in intellectual discussions, fostering a spirit of innovation and collaboration. The faculty's guidance and support were instrumental in the success of these seminars, ensuring that the students could present their ideas effectively and confidently. This achievement marks a significant milestone in the academic journey of the AI&ML department, setting a high standard for future events and reinforcing the commitment to excellence in education

# FIELDS OF ARTS



**BILL GATES**  
**FORMER CEO OF MICROSOFT**



**ROBERT DOWNEY JR**

*Art is a vibrant expression of human creativity, encompassing a diverse range of forms from painting and sculpture to music and dance. It transcends language and culture, offering a universal means of communication and reflection. Through art, we can explore emotions, provoke thought, and capture the essence of our shared experiences.*

**ART CREDITS: SHASHANK H L**  
**AI&ML (6THSEM)**  
**USN : 21AME037**



# WELCOMES OF ARTS



Art by,  
Jnana .D.N  
29/5/2021

ART CREDITS: JNANA D N  
AI&ML (6THSEM)  
USN : 21AAME018

# ಕನ್ನಡ ಕವಿತೆ

ನಕ್ಕರೆ..?

ನಗು ಮರೆಮಾಚಿ ಹೊಗುವಳು..

ನೋಡಿದರೆ..?

ನೋಡದಂತೆ ನಟಿಸುವಳು..

ಎಷ್ಟು ಭಾರಿ ನೋಡಿದರೂ ಮತ್ತೆ

ಮತ್ತೆ ನೋಡಬೇಕೆಂಬ ಆಸೆ ಆ

ನಿನ್ನ ಕಂಗಳ..

ಏನೆಂದು ಹೇಳಲಿ ಚೆಲುವೆ..!

ನೀನೇ ಬೇಕೆಂಬ ಈ ನನ್ನ

ಮನಸ್ಸಿನ ಹಂಬಲ..!

ನಿನಗೂ ಇಷ್ಟವಿದ್ದಲ್ಲಿ!

ಹಿಡಿದು ನೆಡೆಯುವೆ ದಾರಿಯುದ್ದ

ಬಿಡದಂತೆ ಈ ನಿನ್ನ ಕೈಗಳ...

ಇಲ್ಲವಾದರೆ ಹೇಳಿಬಿಡು!

ನಿನ್ನ ಋಷಿ ಸಲುವಾಗಿ ಅರಸುವೆ

ಆ ದೇವರ..



ಶ್ರಾವಣಿ ಸಿ

AI&ML(6thSEM)

USN : 21AME039

# ಕನ್ನಡ ಕವಿತೆ

ಶಾರದಾ ಕಾರ್ಯಕ್ರಮ

1.ಅರಸಿ ಬಂದು ರಾಣಿ ಯಾಗು ನನ್ನ ಕನಸಿಗೆ ,  
ಆಗುವೆ ನಾ ಒಡೆಯನು ನಿನ್ನ ಮನಸ್ಸಿಗೆ ,  
ಸಾವು ನೋವು ಏನೇ ಇರಲಿ ನಿನ್ನ ಕಾಯುವೆ ,  
ಮಗುವಿನಂತೆ ನಿನ್ನ ಜೋಪಾನ ಮಾಡುವೆ .

ಕಾಯ ವಾಚಾ ಮನಸಾ ಎಲ್ಲ ನಿನಗೆ ನೀಡುವೆ ,  
ನನ್ನಯ ತನು ಮನದಲ್ಲೂ ನಿನ್ನ ನೆನೆಯುವೆ,  
ಕನಸಲ್ಲೂ ಬೇರೆಯವರ ಚಿಂತೆ ಮಾಡೆನು,  
ಸಾವಿನಲ್ಲೂ ಮನದಿ ನಾ ನಿನ್ನ ನೆನವನು..

2.ನಗುವ ನಿನ್ನ ಮೊಗವ ಕಂಡು ಹುಚ್ಚನಾದೆನೆ,  
ನಿನ್ನ ಗುಂಗಿನಲ್ಲೇ ನನ್ನ ನಾನೇ ಮರೆತು ಹೋದೆನೆ,  
ಮನದ ಒಳಗೆ ಏನೋ ಸಿಹಿಯ ತಳಮಳ,  
ನಿನ್ನ ಮಾತಿನಿಂದ ಮನದ ಬಡಿತ ಹೆಚ್ಚಳ .

ಬಾರೆ ಒಂದು ಬಾರಿ ನೀನು ನನ್ನ ಬಾಳಿಗೆ ,  
ರಾಣಿಯಾಗುವಂತೆ ನೀನು ನನ್ನ ಮನಸ್ಸಿಗೆ,  
ಮತ್ತೆ ಮತ್ತೆ ನನ್ನ ಮನಸ್ಸು ನಿನ್ನೇ ಬೇಡಿದೆ...!

ಜಿ ಎ ಶ್ರೇಯಾ  
AI&ML(6th SEM)  
USN : 21AME012

# ALL INDIA FLOORBALL CHAMPIONSHIP



Students of AI&ML **Kishan Gowda V S (21AME020)** ,**Pruthvi H C(21AME050)** , of 6th semester participated in **All India University Floorball Championship** which was conducted in **Gwalior, Madhya Pradesh** on 15th June 2024 and have won **2ndplace**.

## BGSIT PREMIER LEAGUE-06



*The successful conduct of the BGSIT Premier League - 06 marks a momentous achievement for our institution, bringing together talent, enthusiasm, and sportsmanship in a spectacular showcase of athletic prowess. With the diligent coordination of our dedicated organizers and coordinators, this event unfolded seamlessly, creating memorable experiences for participants and spectators alike. Their tireless efforts in planning, scheduling, and ensuring the smooth operation of every match deserve our utmost gratitude. Their commitment to excellence and attention to detail have truly elevated this tournament, fostering a sense of camaraderie and spirited competition among all involved. As we reflect on the thrilling moments and unforgettable victories of the BGSIT Premier League, we extend our sincere thanks to our coordinators for their invaluable contributions to its success.*

## BGSIT PREMIER LEAGUE-06

We would like to express our sincere gratitude to **Dr. Siddarth B.K**, Head of the Department of AI & ML, for giving us the invaluable opportunity to conduct the BGSIT Premier League-06. Under his guidance and support, we were able to organize a successful and memorable tournament that showcased the talents and sportsmanship of our students.

*We extend our heartfelt gratitude to the coordinators of AI&ML 6th semester for their exceptional efforts in successfully organizing the BGSIT Premier League-06. Their meticulous planning, dedication, and hard work have been instrumental in ensuring the smooth and efficient conduct of this prestigious event. From coordinating teams and schedules to managing logistics and ensuring fair play, their commitment to excellence has truly shone through.*

### COORDINATORS OF BPL – 06

1. VINAY C N
2. KISHAN GOWDA V S
3. PRUTHVI H C
4. MANOJ H E
5. CHIRANTH H S
6. PRAJWAL YADAV B M
7. YASHWANTH U
8. NITHIN
9. JAYANTH P S
10. MANOJ GOWDA D S
11. SHASHANK H L
12. M H KRUTHIK

## BGSIT PREMIER LEAGUE-06

*We extend our sincere gratitude to **Dr. B N Shobha, Principal of BGS Institute of Technology**, for graciously providing us with the opportunity to conduct the BGSIT Premier League-06. Her unwavering support and encouragement have been instrumental in realizing this successful and impactful event. Dr. Shobha's vision and leadership have not only facilitated the organization of a competitive sports tournament but have also fostered a sense of camaraderie and sportsmanship among our students. We deeply appreciate her commitment to promoting holistic development through such initiatives, which have undoubtedly enriched the educational experience at our institution.*



## FLOORBALL RUNNER UP *AI&ML*



Our **AIML** branch has emerged victorious in the recent floorball competition! (runner up's) Through dedication, teamwork, and sheer determination, our players showcased exceptional skills and sportsmanship on the court. This triumph is a testament to our commitment to excellence and unity within our community. We extend our heartfelt congratulations to every team member whose hard work and passion made this achievement possible.

1. ***VINAY C N (TEAM LEAD)***
2. *KISHAN GOWDA V S*
3. *PRUTHVI H C*
4. *MANOJ H E*
5. *CHIRANTH H S*
6. *PRAJWAL YADAV B M*
7. *YASHWANTH U*
8. *KRUTHIK M H*
9. *JAYANTH P S*
10. *HEMANTH M D*



# BASKETBALL RUNNERS

## AI&ML



*Congratulations to the **AI&ML basketball** team for securing the **runners-up** position! Your hard work and determination throughout the tournament were truly impressive. Despite the tough competition, you showcased exceptional teamwork and sportsmanship, making us proud. This achievement reflects your dedication and skill on the court. Here's to more successes and continued growth as a team. Well done!*

*While the championship may have eluded us this time, your performance was nothing short of exemplary. You've shown resilience, sportsmanship, and a true team spirit that has made our department proud. This achievement underscores your ability to compete at a high level and sets a strong foundation for future successes.*

# **AWARDS AND ACHIEVEMENTS BY FACULTY**

## **PUBLICATION**

### **Title of the Paper:**

**Design of Optical Filter of 2D Photonic  
Crystal Ring Resonator based Pressure  
Sensor**



**Ms Chandrika B N**



**Ms Bindu K N**

# ACADEMIC ACHIEVERS

## 3RD SEM STUDENT LIST



**Pavani**

USN : 22AME037



**Pavana N**

USN : 22AME037



**Mohitha Nandi**

USN : 22AME030



**Veena GL**

USN : 22AME056

# ACADEMIC ACHIEVERS

## 5TH SEM STUDENT LIST



**Bhoomika C V**  
**USN : 21AME007**



**Gagana K**  
**USN : 21AME013**



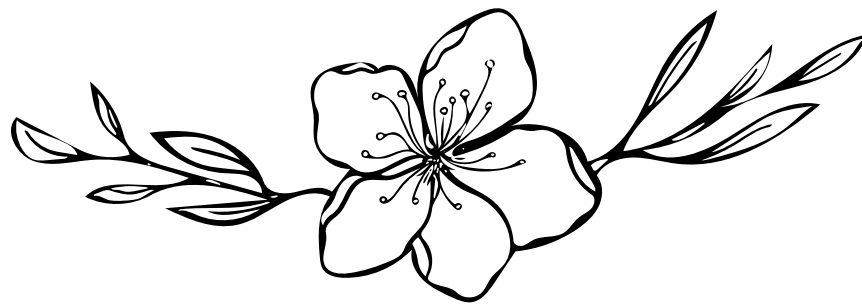
**Jnana D N**  
**USN :21AME018**

# AI FRONTIER

congratulations to each of you for the successful completion of **AI FRONTIER Magazine 2023-24 Volume-1, Issue-1**. Your dedication, creativity, and hard work have truly paid off, resulting in a publication that is not only impressive but also reflective of our collective vision and efforts.

Your meticulous attention to detail, from selecting compelling content to ensuring a polished layout, has made this magazine a standout achievement. It has been a pleasure witnessing your collaborative spirit and commitment to excellence throughout this process.

Thank you once again for your outstanding contributions and for bringing this vision to fruition. I look forward to the continued success and growth of Deus ex Machina under your capable guidance.



## Student Coordinators:

Chandana G N

Kruthi k v

janana D N

Shuddhodhana R

M H Kruthik

Shashanka C K