



**IEEE  
COMPUTER  
SOCIETY**

*BMSCE IEEE STUDENT BRANCH CHAPTER*



# **BMSCE IEEE COMPUTER SOCIETY**

**HALF YEARLY  
MAGAZINE  
2022-23**

**JANUARY - JULY 2022 EDITION**

*Note from the  
IEEE Computer Society  
Bangalore chapter*

**Dear BMSCE IEEE Computer Society Members, Colleagues and Friends,**

***I have been holding the office of Chair, IEEE CS Bangalore Chapter since January 2022. During this period, I have been fortunate to collaborate with multiple IEEE CS OUs and IEEE CS volunteers, both within Karnataka and outside this region. In this regard, I have also worked and interacted with BMSCE IEEE CS members and volunteers.***

***I am extremely delighted to share that I have found the BMSCE IEEE CS student branch as the most vibrant unit of IEEE Computer Society in Karnataka. They have not only performed consistently over the years, but have also developed many innovative ways to champion the core mission of IEEE Computer Society; which is to establish Computer Society technical activities as the pre-eminent forums for innovation, information, and services in current technical areas; and to extend computing technologies and applications into areas currently unexplored.***

***I would like to thank the executive committee of BMSCE IEEE CS student branch.***

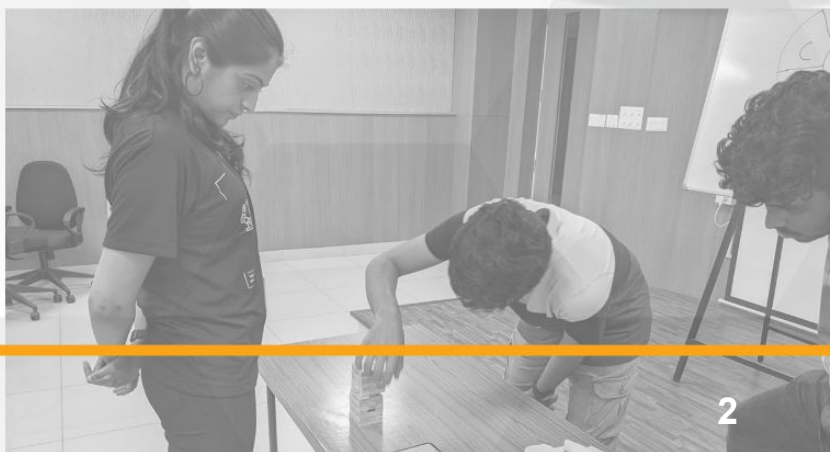
***I wish you all the best for all future endeavors.***

**Thanks,  
Dr. Prasant Misra  
Chair 2022, IEEE CS Bangalore**



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# VISION, OBJECTIVES, MISSION



## VISION



To grow into a premier technical society, fostering eminent professionals with creative minds, innovative ideas and sound practical skills, team spirit and true leadership qualities, and to shaping a future in which technology works for the man's enrichment.



## OBJECTIVES



The society's broad objective of being an active agent of change by responding to the needs and challenges of the current environment. These challenges can be overcome by training, working as a team and inculcating leadership qualities within.



## MISSION

Providing all individuals with state-of-the-art knowledge in various technological disciplines and instilling within them a strong sense of social consciousness and professionalism, thereby enabling them to face life's challenges with courage and conviction.

## *Note from the Chapter Advisor*

***“The capacity to  
learn is a gift;  
the ability to  
learn is a skill;  
the willingness  
to learn is a  
choice”***



It gives me an immense pleasure to mention that the BMSCE IEEE computer Society student chapter, being one of prestigious student chapter of its kind, initiated during 2021. The chapter is committed to organize the events for the overall growth and development of the students to excel in all spheres. Being an international student platform, I wish for the chapter to achieve its vision and mission for excellence. My hearty congratulations to all the students who have chosen to be IEEE members and wish them all success in their future endeavors.

Blessings,  
Dr. N. Sandeep Varma  
Dept. of ISE  
BMSCE.



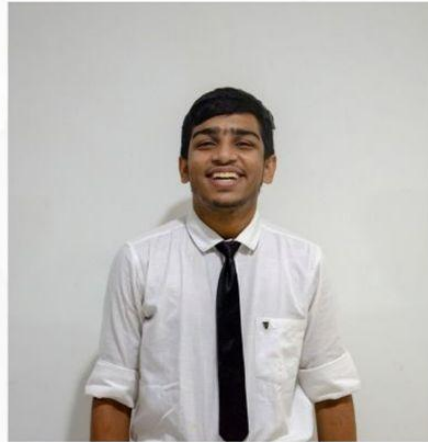


# MEET THE TEAM

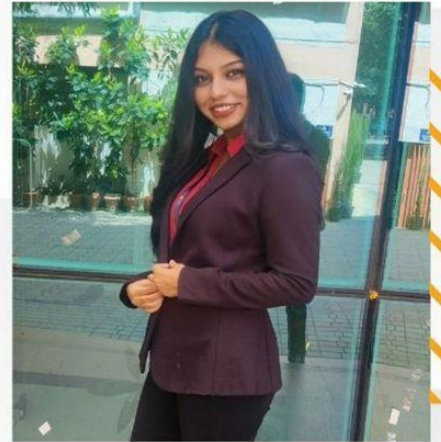
## CORE COMMITTEE



**Supriya P G**  
**Chairperson**



**Kalp Dantewadia**  
**Vice Chairperson**



**Harshitha Aparna**  
**Secretary**



**Rajath V**  
**Joint Secretary**



**Pradyun Naik**  
**Treasurer**



**Tuhina Bagchi**  
**Senior SAC**



# SAC

# COORDINATORS

Awarded to them for demonstrating focus, futuristic vision and dedication are the following SAC



**DISHA NAIK**



**DYUTHI BV**



**HARSHALA RANI**



**JYOTIPRAKASH PANDA**



**OM PATIL**



**PRIYANSHU DHASMANA**



**RAHUL SHIRUR**



**VAISHNAVI ACHARYA**





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# OUR EVENTS



TM



# Annual General Meeting 31st January 2022

As the cycle of life comes full circle, the AGM-2022 marked one such journey for BMSCE IEEE Computer Society. The Outgoing Committee handed the responsibilities over to the younger, budding and enthusiastic new committee

BMSCE IEEE Computer Society conducted its AGM on 31st January, 2022. The event began with welcoming and introducing the dignitaries present. The dignitaries, then, enlightened the august gathering with their words of wisdom.



Thereafter, the host welcomed all the dignitaries, faculty members, Executive Committee members, and the audience. The activity report for 2021-22 was then reported by the immediate past Chairman, Ms. Nanditha Mahendra, and immediate past Secretary, Mr. Abhinandhan Udupa. They talked about BMSCE IEEE Computer Society and gave a brief review of all the events held during their term. The dignitaries were presented with mementos and thereafter addressed the gathering about the achievements of the chapter so far.

After that, the present Executive committee members were introduced -  
Ms. Supriya PG as the Chairperson,  
Mr. Kalp L Jain as the Vice-Chairperson,  
Mr. Pradyun Naik as the treasurer,  
Ms. Harshitha Aparna as the Secretary,  
Mr. Rajath V as the Joint Secretary and  
Ms. Tuhina Bagchi as the Senior SAC Coordinator.

# Machine Learning-101

## 11th February 2022

**"A breakthrough in machine learning would be worth ten Microsofts"**  
- Bill Gates

Machine learning gives enterprises a view of trends in customer behavior and business operational patterns, as well as supports the development of new products. Many of today's leading companies, such as Facebook, Google and Uber, make machine

learning an integral part of their operations. Thus, considering its importance in the near future, BMSCE IEEE Computer Society conducted a webinar on Machine Learning on 11th February, 2022.

The event encompassed a variety of subjects that explained the intricacies of the topic to the participants. They gained insights into how to use machine learning in one's best interest. Following a short introductory session, Mr. Karanth conducted a hands-on session and taught the participants how to use Microsoft Azure Cognitive Services.

The key takeaways were:

- Introduction to AI, ML and DL
- Familiarity with azure
- Having learnt about the fields of implementation of AI and ML technology.

The students were tested on the topics taught during the webinar. Overall, the event catered to the explanation, understanding of the topic and addition of knowledge.



# Data Analytics

## 19th March

**"Information is the oil of the 21st Century, and analytics is the combustion engine."**

- **Peter Sondergaard**

The importance of data analytics in any sector is compounded, creating an enormous quantity of knowledge that can provide valuable insights into the field.

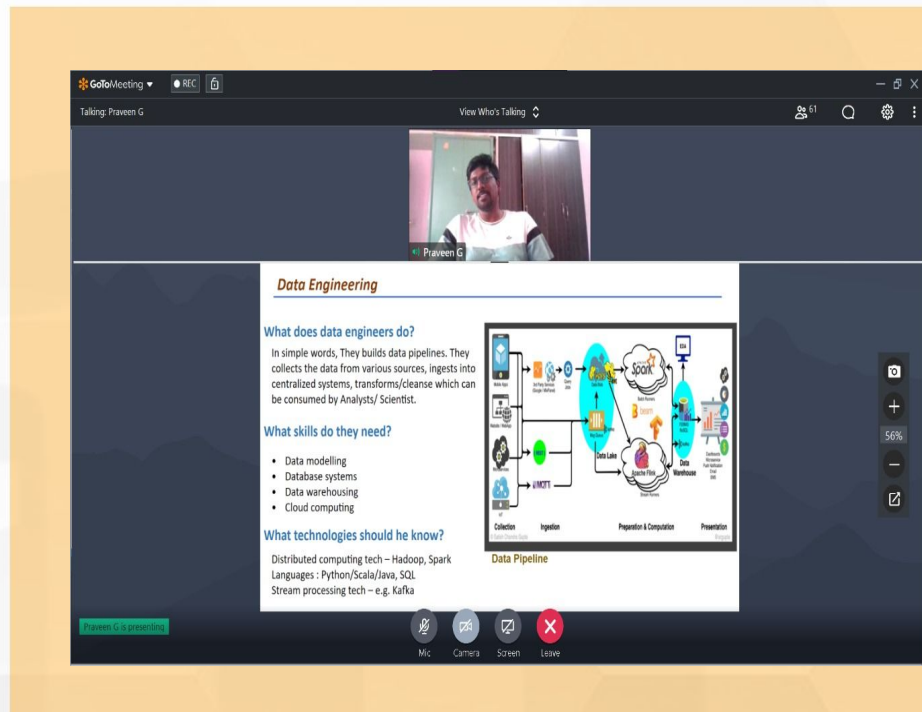
On the occasion of Pi-Day, BMSCE IEEE Computer Society in collaboration with

Pentagram -TheMathematical Society of BMSCE hosted a webinar on 'Basics of Data Analytics'. The webinar was held on the 19th of March 2022 and was hosted on the GoTo Meetings platform.

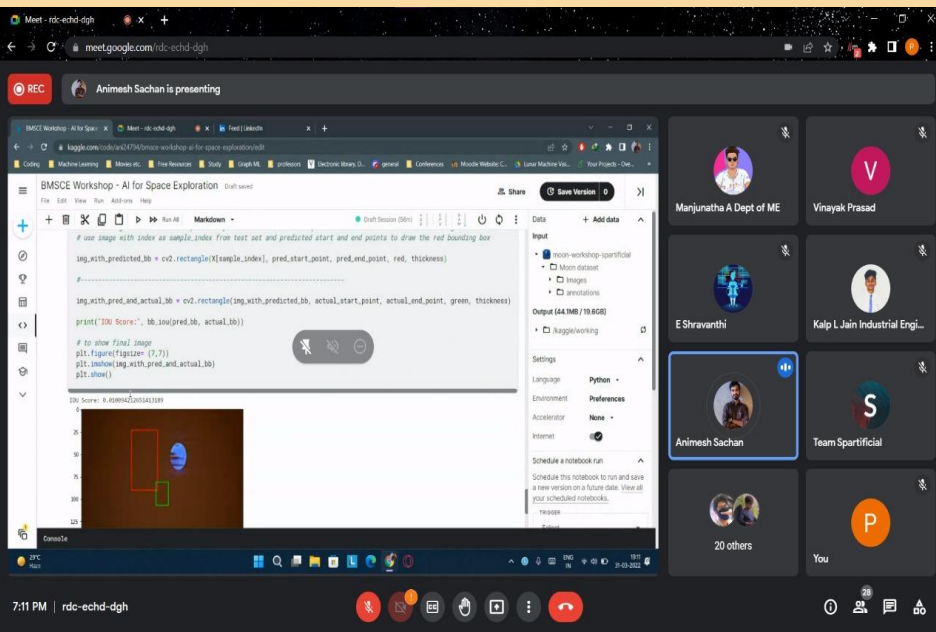
The webinar had three esteemed speakers, Abhishek N S - Product Analyst at Walmart, Prashantha GM - Leading Analyst at Walmart, and Praveen G - Analytics Manager at Flipkart.

The speakers first went on to introduce data analytics and data engineering to the participants. They also acquainted the attendees with the basic skills required to be a data engineer. Followed by which the participants were told in detail about the real-life applications of data analytics with examples like Apple Pay and real-time capacity planning in the context of online grocery buying platforms.

The event had a total participation of 65 which were actively engaged with the speaker. On the whole, the session was very informative and gave the attendees a clear picture of data analytics and its real-life applications.



# AI in Space Tech 30-31st March 2022



***"The field of Artificial Intelligence is pushing new boundaries."***  
**-Judy woodruff**

Space contains mysteries that can be solved with the latest advancements in AI. AI helps in conducting tasks that humans would otherwise be unable to perform in space, such as analyzing cosmic occurrences, system control, charting stars black holes, and more.

Realizing the importance of AI in Space Technology, BMSCE IEEE Computer Society, in collaboration with Spartificial, conducted a workshop on "AI in Space Tech." It was a two-day workshop conducted on the 30th and 31st of March 2022.

The students learned about the various applications of AI in Space. The instructor on the first day explained the basics of AI and its application in space exploration. The speaker of the following day explained how to use Kaggle as a platform to calculate and measure various parameters of planets and other bodies in space.

The instructors introduced the participants to online software, which can be applied to learn more about AI and Deep Learning, such as Spartificial. 40 participants from various universities attended the workshop and actively participated and showed keen interest in the event. The participants actively engaged in the guided, project based sessions.



# Girls Geek Hack

## 18-19th June 2022

***“Artificial Intelligence is the last invention that humanity will ever need to make”***

**-Nick Bostrom**

Artificial Intelligence is a fast-growing field across the globe. Artificial Intelligence has a huge potential to transform the socio-economic system as its impact on every industrial or service sector is undeniable. It will provide a new platform to the world through automation, intelligence and creation.



IEEE Computer Society Bangalore Chapter in collaboration with BMSCE IEEE Computer Society and in association with the Department of ISE, BMSCE conducted a 36-hour-long national-level hackathon dated 18<sup>th</sup> June 2022 titled “GirlGeeksHack 2022”. The event was based on the topic of AI for social good. The competition aimed at providing a social platform to improve and showcase skills in the field of coding alongside promoting women's participation in the field of technology.

Instructors for the event were Mr. Shyam Sundar Ramaswamy, Dr. Gururaj and Mr. Vishwas Narayan who guided the students through the workshop. They provided various insights which directed the participants in the right way.

The event had 112 enthusiastic participants, consisting of 86 IEEE Members and 26 Non-IEEE members, from colleges across the nation.

All points taken into consideration, the workshop was an excellent accomplishment.

# Code Hunt

## 23rd June 2022



***"Talk is cheap, show me the code"***

**- Linus Torvalds.**

As the competition in the field of technology tends to increase exponentially. It is important for every student to know how to write codes efficiently. This can be done by giving hands on experience to students on competitive programming. It unleashes the ability to write better and optimized codes. Enhances thinking and problem solving ability.

The BMSCE IEEE Computer Society in collaboration with BMSCE IEEE PES and Sensors Council hosted a two-hour codeathon on the 23rd of June, 2022.

The participants were asked to log in to the Hacker-rank to start the competition. The event consisted of 15 coding questions with a number of test cases that could be solved by various coding languages and the person who would solve the maximum number of questions by the end would win the competition. This two-hour competition not only helped the participant test their coding skills against the time but also helped them in developing their perception and finding new ways to solve a particular problem.

The event was extremely exciting and fun for the participants. There were a total of 64 participants. All participants coded in various coding languages and showcased their coding skills and tested their problem-solving skills as well.





# CONTACT US:



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