



BNM Institute of Technology

An autonomous Institution under VTU

IEEE Computer Society (SBC 14831D)

List of Events Organized during 2023-24, 2024-25 & 2025-26

Sl. No	Event Title	Date	No. of Participants
1	Report on Technical Talk on “AI for Earth Sciences: From Maps to Decisions”	24 th July, 2026	50
2	Beyond Labels: The Unsupervised Machine Learning (Concepts & Code)	1st – 3rd June, 2026	200
3	GeoTech Code Challenge	2nd April, 2026	78
4	From Code to Cloud: Understanding Modern DevOps Tools and Workflows	14th March, 2026	200
5	Microsoft Global Training Workshop on Azure IoT Fundamentals	13th March, 2026	200
6	Redis for High Performance NoSQL Applications : Industry Perspectives	22nd January – 23rd January, 2026	80
7	SAGACITY – IEEE Week 2025	10th October, 2025	74
8	IEEE Outreach Program – IEEE Week 2025	9th October, 2025	65
9	Machine Learning for Climate Science & Earth Observation	13th September, 2025	70
10	Technical Talk on “Machine Learning Operations”	22nd February, 2025	21

11	Codeathon	27th & 28th November, 2024	33
12	Bridge Course on “C Programming Language for Lateral Entry Students”	4th & 11th September, 2024	25
13	Hands on workshop on “Building Scalable Applications with Cassandra”	3rd July, 2024	207
14	Technical Symposium on “The evolving fields of Operations Research & Data Science”	16th February, 2024	80
15	Technical Talk on “Lagrange Points and Aditya L1”	11th December, 2023	140
16	Inauguration of IEEE BNMIT, Computer Society Student Branch Chapter	22nd November, 2023	114

IEEE CS BNMIT Office Bearers

Sl. No	Name	Position Held
1	Tanmay Anand	Chair
2	Thanmayee MK	Vice-Chair
3	Sindhura R	Secretary
4	Yashaswini M	Treasurer
5	Urvee S Bettadapur	Webmaster

Faculty Advisor: Dr. Karthik S

BNM Institute of Technology

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Department of Computer Science and Engineering
in association with

BNMIT IEEE Computer Society Student Branch Chapter

Report on Technical Talk on “AI for Earth Sciences: From Maps to Decisions”

Event Title: Technical Talk on "AI for Earth Sciences: From Maps to Decisions"

Event Date and Time: 24th July 2026, 10:00 am

Venue: N401, BNM Institute of Technology

Resource Person: Mr. Aman Bagrecha

The IEEE BNMIT Student Branch, in collaboration with the IEEE Geoscience and Remote Sensing Society Student Branch Chapter (GRSS SBC) and IEEE Computer Society Student Branch Chapter (CS SBC), successfully organized a technical talk titled "AI for Earth Sciences: From Maps to Decisions" on 24th July 2026 at 10am at BNM Institute of Technology. The session was delivered by Mr. Aman Bagrecha, Geospatial Scientist and Co-founder of Let's Talk Spatial, who shared valuable insights into the transformative role of Artificial Intelligence in geospatial technologies and Earth observation.



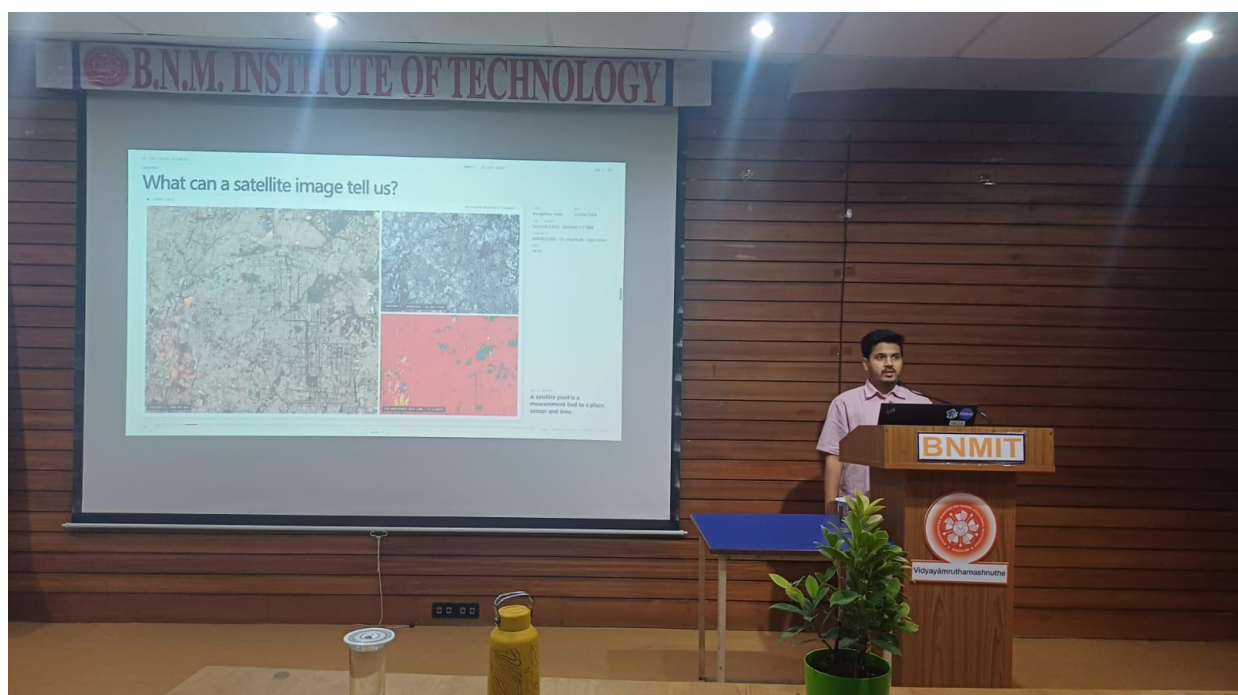
The talk began with an introduction to the fundamentals of satellite imagery, covering concepts such as electromagnetic wavelengths, spectral bands, false-colour composites, spatial resolution, and radar imaging. The speaker explained how optical and radar sensors capture different characteristics of the Earth's surface

and highlighted their applications in environmental monitoring, defence, and weather-independent observation.

The session further explored the importance of spatial and temporal analysis in satellite imagery. Participants learned how neighbouring pixels provide contextual information for image interpretation and how multi-temporal datasets enable effective change detection for applications such as deforestation monitoring, pollution analysis, and land-use mapping. The discussion emphasized the significance of data normalization and domain knowledge in obtaining reliable results.



A major highlight of the talk was the application of Artificial Intelligence in geospatial analysis. Mr. Bagrecha explained how self-supervised learning techniques generate embeddings from satellite imagery, enabling advanced tasks such as land-cover classification, environmental monitoring, and change detection. The audience also gained insights into agentic AI workflows, demonstrating how modern AI agents can interact



with geospatial tools through the Model Context Protocol (MCP) to answer complex natural-language queries related to Earth observation.

The live demonstration showcased the integration of tools such as Google Earth Engine, Sentinel satellite datasets, Fused.io, MapLibre, and AI agents to retrieve, analyze, and visualize satellite imagery. Through practical examples involving air quality monitoring, deforestation analysis, and satellite image retrieval, participants witnessed how AI-powered workflows can simplify complex geospatial analysis while maintaining scientific accuracy.

The session concluded with an engaging interaction where students discussed the future of AI-driven Earth observation, environmental monitoring, and geospatial intelligence. The talk provided valuable exposure to emerging technologies and inspired participants to explore interdisciplinary applications of Artificial Intelligence in Earth sciences. The IEEE BNMIT Student Branch sincerely thanks **Mr. Aman Bagrecha** for delivering an insightful and inspiring session and for sharing his expertise with the student community. We also extend our heartfelt gratitude to our faculty advisors, **Dr. Chaitra M**, **Dr. Keerti Kulkarni**, and **Dr. Karthik S**, for their constant guidance, encouragement, and unwavering support in making this event a grand success.

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Department of Computer Science and Engineering in association with BNMIT IEEE Computer Society Student Branch Chapter

Report on Technical Talk on “AI for Earth Sciences: From Maps to Decisions”

Introduction:

This section presents the CO–PO mapping for the technical talk on “AI for Earth Sciences: From Maps to Decisions”, aligned with the course Machine Learning for Earth System Sciences (22CSE17364).

Course Outcomes (COs):

CO	Statement	Bloom’s Cognitive Level	PO/PSO
CO1	Understand the fundamentals of probability, spatio-temporal statistics, and relevant Machine Learning and Deep Learning techniques for data analysis.	Understanding	PO1, PO2, PO5, PO7, PO12
CO2	Apply Bayesian Networks, CNN, RNN/LSTM, VaE, and interpretability techniques to analyze causality and Earth system processes through real-world case studies.	Applying	PO1, PO2, PO3, PO4, PO5, PO7, PO9, PO10, PO12
CO3	Construct models and frameworks to analyze Earth system processes using case studies involving extreme event analysis, teleconnections, and causal analysis.	Applying	PO1, PO2, PO3, PO4, PO5, PO7, PO10, PO12
CO4	Analyze Earth system processes through case studies by examining extreme events, network interactions, teleconnections, and causal relationships.	Analyzing	PO1, PO2, PO4, PO5, PO7, PO12
CO5	Infer Earth system modeling concepts - such as model structures and validation - with their applications in domains using ML-based surrogate models, generators, and forecasting techniques.	Analyzing	PO1, PO2, PO4, PO5, PO7, PO12

Strength of CO–PO Mapping:

3 – High, 2 – Moderate, 1 – Low, and – Not Mapped.

CO / PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	-	-	2	-	2	-	-	-	-	1
CO2	3	3	2	2	3	-	2	-	1	1	-	2
CO3	2	3	1	2	3	-	3	-	-	1	-	2
CO4	2	3	-	2	2	-	3	-	-	-	-	2
CO5	2	2	-	2	2	-	2	-	-	-	-	2

Department of Computer Science and Engineering

Three Days Workshop on Beyond Labels: The Unsupervised Machine Learning (Concepts & Code)

Date: 1st – 3rd June, 2026
Student participants: 200

Time: 9.00 AM – 1.00 PM
Venue: M-205

Introduction:

The Department of Computer Science and Engineering, in association with the Institution's Innovation Council (IIC) & IEI-Professional Body has successfully conducted a three day workshop titled **“Beyond Labels: The Unsupervised Machine Learning (Concepts & Code)”** This workshop was organized to provide participants with a comprehensive understanding of unsupervised learning techniques in Machine Learning. The workshop aimed to bridge the gap between theoretical concepts and practical implementation by combining conceptual discussions with hands-on coding sessions.

The event was organized under the guidance of Dr. Chayadevi M L Professor & Head, CSE Dept., BNMIT and Dr. Jyoti R Munavalli Prof. & Head, ED Cell. Event Coordinators are Dr. Swetha M. D, Dr. Kavita V. Horadi and Dr. Amith Shekar, Associate Professors from CSE Dept.

Objectives of the Workshop:

- To introduce the fundamentals of unsupervised machine learning.
- To understand how machines identify hidden patterns without labelled data.
- To explore popular clustering and dimensionality reduction techniques.
- To provide practical experience in implementing algorithms using Python and Machine Learning libraries.

About the Workshop:

The workshop on “Beyond Labels: The Unsupervised Machine Learning (Concepts & Code)” provided a comprehensive overview of unsupervised learning techniques used for discovering hidden patterns in unlabelled data. Key topics covered included data preprocessing, exploratory data analysis, clustering algorithms such as K-Means, Hierarchical Clustering, and DBSCAN, and dimensionality reduction techniques including Principal Component Analysis (PCA) and Singular Value Decomposition (SVD).

A major highlight of the workshop was the hands-on Python coding sessions, which enabled participants to implement machine learning algorithms on real-world datasets. The practical exercises and mini-projects enhanced understanding of clustering, data visualization, and dimensionality reduction techniques while providing valuable experience in analysing complex datasets. Overall, the workshop successfully blended theory with practice, strengthening participants' knowledge of unsupervised machine learning and its real-world applications.

Benefits of the Workshop:

- Helped students understand real-world applications of AI in healthcare, education, finance, robotics, and automation.
- Provided clarity on career opportunities and required skill sets in AI and emerging technologies.
- Increased awareness about ethical AI usage and responsible innovation.
- Motivated students to explore projects, research, and certifications in AI-related domains.

Gallery:



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Department of Computer Science & Engineering

Organizes

Three Day Workshop

Beyond Labels: The Unsupervised Machine Learning (Concepts & Code)

In Association with



Date: 1st to 3rd June 2026

Time: 8:30 am onwards

Venue: M101 Main Building, BNMIT

Resource Person



Dr. Prashanth Kannadaguli

Founding Chief Research Architect & President
Dhaarini AI-Tech Research Academy,
Bengaluru

Organizer

Dr. Chayadevi M. L.
Professor. & HoD, CSE Dept.
BNMIT

Dr. Kavita V Horadi
Assoc. Prof. CSE Dept.
BNMIT

Dr. Swetha M D
Assoc. Prof. CSE Dept.
BNMIT

Dr. Amith Shekhar C
Assoc. Prof. CSE Dept.
BNMIT

Sri. Narayan Rao R. Maanay
Chairman GB
BNMIT

Prof. T. J. Rama Murthy
Director
BNMIT

Dr. S. Y. Kulkarni
Additional Director & Principal
BNMIT

Prof. Eishwar N. Maanay
Dean
BNMIT

Dr. Krishnamurthy G. N.
Deputy Director
BNMIT





Workshop coordinator introducing the resource person Mr. Prashanth Kannadaguli



Mr. Prashanth Kannadaguli delivering a session to students



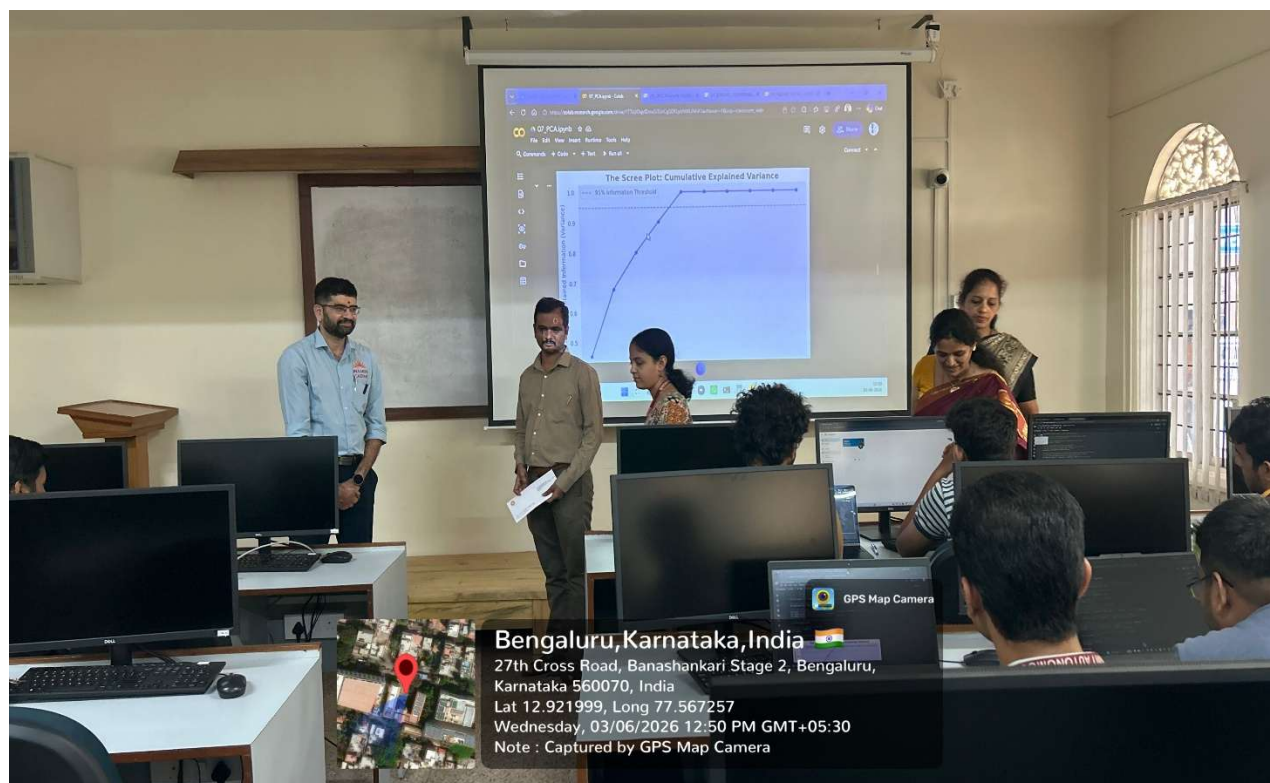
Mr. Prashanth Kannadaguli delivering a session to students



Students and Staff during the session



Mr. Prashanth Kannadaguli interacting with students



Students and Staff during the session



Coordinator delivering the vote of thanks after the session



Event Coordinators thanking the resource person for the effective session delivery

Key Learning Outcomes:

- Understanding of unsupervised learning principles and applications.
- Ability to implement clustering algorithms such as K-Means, Hierarchical Clustering, and DBSCAN.
- Knowledge of dimensionality reduction techniques like PCA and SVD.
- Hands-on experience with Python libraries including NumPy, Pandas, Scikit-learn, and Matplotlib.
- Skills in analyzing unlabeled data and extracting meaningful insights.

Conclusion:

The workshop successfully enhanced participants' knowledge of unsupervised machine learning by integrating theoretical concepts with practical coding exercises. It provided valuable insights into pattern discovery, clustering, and dimensionality reduction techniques, equipping participants with the skills required to analyze complex datasets and apply unsupervised learning methods in real-world applications.

Dr. Swetha M D
IIC Coordinator

Dr. Kavita V. Horadi
IEI Coordinator

Dr.Chayadevi M L
HoD,CSE Dept

BNM Institute of Technology

Department of Computer Science and Engineering

in association with

BNMIT IEEE CS CHAPTER

Beyond Labels : The Unsupervised Machine Learning (Concepts & Code)

Event date : 1st June 2026

Participants : 4th semester students of CSE

Course Outcomes (COs) :

CO1 : Understand the basic concepts of Machine Learning.

CO4 : Apply unsupervised clustering models on real-world applications.

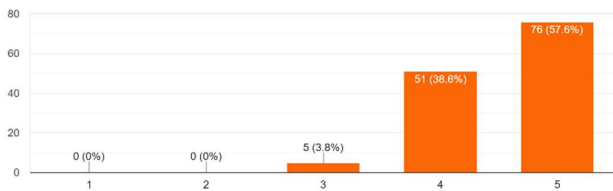
CO5 : Apply unsupervised association analysis and dimensionality reduction models on real world applications.

CO - PO Attainment														
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	2			3							2		
CO4	2	3			3							2		
CO5	3	3		2		3								2
PO Attainment	2.67	2.67	2.00	2.00	3.00	3.00	3.00				0.00	2.00		2.00

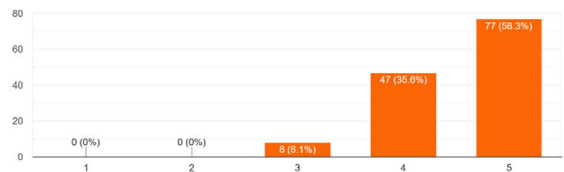
Feedback Analysis

Question	Excellent (5)	Very Good (4)	Good (3)	Average (2)	Poor (1)	Weighted Score (%)
How effectively did the workshop explain the fundamental concepts of Unsupervised Learning?	58	37	8	0	0	90.8
How well were clustering techniques (K-Means, K-Medoids, Hierarchical, EM, DBSCAN) explained?	54	39	10	0	0	88.5
How useful was the explanation of practical applications of clustering algorithms?	57	39	6	0	0	90.4
How clearly were Association Analysis concepts and Apriori Algorithm presented?	52	41	9	1	0	88.5
How effectively were Dimensionality Reduction techniques (PCA, LDA, SVD) demonstrated?	56	36	10	1	0	89.5

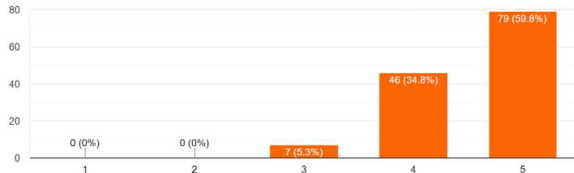
1) How effectively did the workshop explain the fundamental concepts of Unsupervised Learning?
132 responses



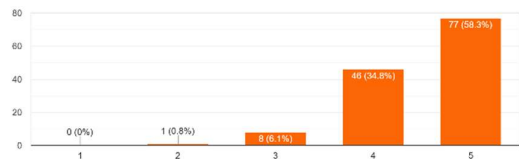
2) How well were clustering techniques (K-Means, K-Medoids, Hierarchical, EM, DBSCAN) explained?
132 responses



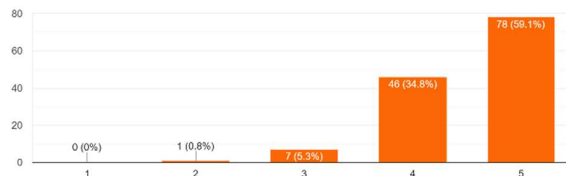
3) How useful was the explanation of practical applications of clustering algorithms?
132 responses



4) How clearly were Association Analysis concepts and Apriori Algorithm presented?
132 responses



5) How effectively were Dimensionality Reduction techniques (PCA, LDA, SVD) demonstrated?
132 responses





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Report of “GeoTech Codeathon 2026”



Title of the Event:

“GeoTech Codeathon 2026”

Date: 2nd April, 2026

Time: 9:30 AM

Venue: M Block, M-104, BNMIT

Participants: 26 teams

Organized by:

IEEE Computer Society (CS) – BNMIT Student Branch Chapter

IEEE Systems, Man, and Cybernetics Society (SMC) – BNMIT Student Branch Chapter

IEEE Geoscience and Remote Sensing Society (GRSS) – BNMIT Student Branch Chapter

B.N.M. Institute of Technology (Autonomous), Bengaluru

Overview :

The GeoTech Codeathon 2026, organized collaboratively by the IEEE Computer Society (CS), Systems, Man and Cybernetics Society (SMC), and Geoscience and Remote Sensing Society (GRSS) at BNMIT, was a competitive and intellectually stimulating coding event aimed at enhancing problem-solving skills among students. The event brought together enthusiastic participants to engage in multiple rounds of technical challenges designed to test their coding proficiency, analytical thinking, and debugging abilities. Participants were given the opportunity to compete using programming languages such as C, C++, and Java in a dynamic and challenging environment.

Event Proceedings :

1. The event commenced with the registration of participants, followed by a brief introduction to the Codeathon, its objectives, and the rules governing each round. Participants were grouped into teams of two members each.
2. The first round consisted of a coding challenge where participants were required to solve a set of problems within a stipulated time. This round focused on assessing the participants' understanding of programming concepts and their ability to write efficient code.
3. The second round involved debugging tasks, where teams were presented with faulty code snippets. Participants were required to identify errors and correct them, testing their logical thinking and attention to detail.
4. The final round included analytical and problem-solving challenges designed to evaluate participants' ability to approach complex problems systematically and creatively.
5. Throughout the event, participants actively engaged in discussions, collaborated with teammates, and demonstrated strong technical and analytical skills. The competitive environment encouraged innovation, quick thinking, and teamwork.
6. The event concluded with the announcement of winners and the distribution of prizes. The top three teams were awarded cash prizes in recognition of their outstanding performance.

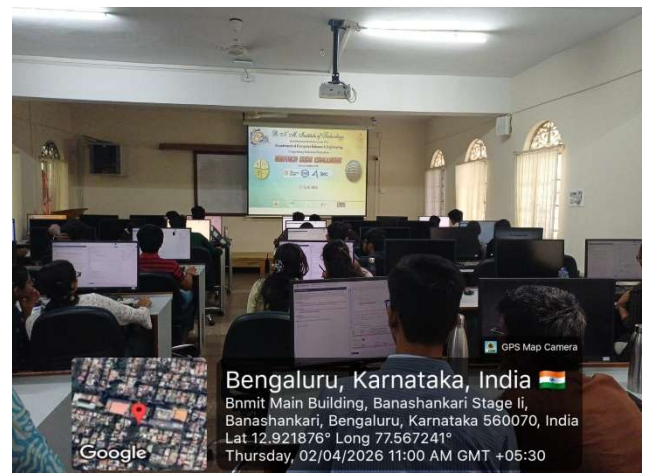
Objective :

- To provide a platform for students to enhance their coding and problem-solving skills.
- To encourage teamwork and collaboration among participants.
- To promote logical thinking and analytical abilities through competitive challenges.
- To create awareness and interest in technical domains related to programming and computation.
- To strengthen engagement among IEEE student members through technical events.

Outcomes :

The GeoTech Codeathon 2026 was a successful event that fostered technical excellence, teamwork, and innovation among participants. The event provided a challenging yet engaging platform for students to showcase their skills and learn through competition. It reflected IEEE's commitment to promoting technical knowledge and collaborative learning among students. The program concluded on a positive note, with enthusiastic participation and appreciation from all attendees, paving the way for more such impactful technical events in the future.

Event Images :



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For Internal Communication

Department of Computer Science and Engineering
Report

Event: Workshop on “From Code to Cloud: Understanding Modern Devops Tools and Workflows”

Resource Person: Mr. Vishal Kulkarni, Devops Engineer (software Engineer) at ABB Company, Bengaluru.

The Department of Computer Science and Engineering, BNM Institute of Technology, Bengaluru, organized a one-day workshop on “From Code to Cloud: Understanding Modern DevOps Tools and Workflows” on 14th March 2026. The workshop aimed to provide students with a comprehensive understanding of modern DevOps practices, tools, and workflows that bridge the gap between software development and IT operations. Around one hundred and thirty (130) students from CSE department enthusiastically participated in the event, reflecting a strong interest in improving their knowledge on DevOps automation tools. The session was conducted by experienced resource person from academia and industry who emphasized the importance of the role of DevOps and cloud technologies in the modern computing landscape.

The workshop was designed with the objective of providing students with a comprehensive understanding of the fundamental concepts and principles of DevOps. It aimed to familiarize participants with the complete software development lifecycle, encompassing stages from coding to deployment, also offering practical exposure to widely used DevOps tools and platforms. Additionally, the workshop focused on developing an in-depth understanding of Continuous Integration and Continuous Deployment (CI/CD) pipelines and their role in streamlining software delivery. It sought to introduce participants to cloud platforms and emphasize their significance in enabling scalable and reliable application deployment.

A major highlight of the workshop was hands-on sessions in which practical demonstrations enabled students to create and manage repositories, build and deploy applications, and understand automation workflows. It also addressed the concepts of containerization and virtualization, highlighting the efficient packaging and deployment of applications using container technologies. Furthermore, participants were introduced to cloud deployment, where they learned about the deployment of applications on cloud platforms to ensure scalability, reliability, and high availability.

The one-day workshop on “From Code to Cloud: Understanding Modern DevOps Tools and Workflows” proved to be highly informative and beneficial for all participants. It successfully bridged the gap between theoretical knowledge and practical implementation of DevOps practices. The sessions enhanced the technical skills of students and provided them with a clear direction toward adopting modern software development methodologies.



“Knowledge Sharing Session by speaker, Bridging Academia and Industry”



“Engaging Students through Concept Explanation”



“Interactive Explanation”

Coordinator

Prof. Manjushree K
Dr. RevanaSiddappa
Prof. Priyanka Padki

HOD

Dr.Chayadevi M L

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Department of Computer Science and Engineering
In association with IEEE CS Chapter and ISTE

Microsoft Global Training Workshop on Azure IoT Fundamentals

Sl no	Document
1.	Event Brochure
2.	Student Circular regarding the workshop
3.	Student Attendance
4.	Workshop Contents and Outcomes
5.	Workshop Report with sample Photos
6.	Outcomes and mapping with Pos and PSOs
7.	CO- PO Attainment
8.	Student Feedback
9.	Resource Person- Profile
10.	Thanking Letter for Recourse Person

Coordinators

Prof. A.T. Sangeeta *AT Sangeeta*

Dr. Manjunath S *Manjunath S*

Dr. Nandhini G

Prof. Akshitha Katkeri *Akshitha Katkeri*

Chayath
HOD

Head of the Department
Dept. of Computer Science & Engineering
B.N.M. Institute of Technology
Bangalore - 560 070



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Department of Computer Science & Engineering

Organizes

Workshop on Microsoft Global Training

Azure IoT Fundamentals

In Association with



Date: 13th March 2026

Time: 9:00 am to 4:00 pm

Venue: A215 Auditorium Block, BNMIT

Participants: 6th Sem. B.E., (CSE) Students

Resource Person



Dr. Naveen H

Vertical Head

IoT/Azure Microsoft Certified Trainer

Cloudthat

Organizers

Dr. Chayadevi M. L.
Professor. & HoD

Dr. Manjunath S
Associate Professor

Dr. Nandini G
Associate Professor

Prof. Akshitha Kateri
Assistant. Professor

Prof. A T Sangeeta
Assistant. Professor

Sri. Narayan Rao R. Maanay
Chairman GB
BNMIT

Prof. T. J. Rama Murthy
Director
BNMIT

Dr. S. Y. Kulkarni
Additional Director & Principal
BNMIT

Prof. Eishwar N. Maanay
Dean
BNMIT

Dr. Krishnamurthy G. N.
Deputy Director
BNMIT

06/03



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Department of Computer Science and Engineering

Date: 12/03/2026

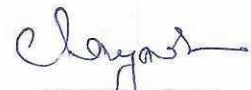
CIRCULAR

Department of Computer Science and Engineering is organizing a Microsoft Global Training Workshop on "Azure IoT Fundamentals" for 6th Semester students on 13-03-2026 from 9AM to 4PM.

In this regard all the faculties who are handling for 6th semester are hereby requested to permit the students to attend the workshop and provide the attendance on the above mentioned date.

Coordinators

AT. S. Juba


HOD, CSE

Head of the Department
Dept. of Computer Science & Engineering
B.N.M. Institute of Technology
Bangalore - 560 070

B N M Institute of Technology

Computer Science and Engineering (CSE)

Microsoft Global Training on Azure IoT Fundamentals

6th Sem Student attendance sheet

Date : 13-03-2026

S.No	USN	Name of the Student	Section	Session 1	Session 2
1	1BG22CS004	Abhinav L	A	Abhinav	Abhinav
2	1BG23CS001	A Nikhil Kumar	A		
3	1BG23CS002	Abhay S	A	Abhay S	Abhay S
4	1BG23CS003	Abhay Srinivas	A	Abhay S	
5	1BG23CS004	Abhiram H	A	Abhiram H	Abhiram H
6	1BG23CS005	Achintya K J	A	Achintya KJ	Achintya KJ
7	1BG23CS006	Adarsh Arun	A		
8	1BG23CS007	Aditya Abiraj Singh	A	Aditya	Aditya
9	1BG23CS008	Aditya Raj	A	Aditya	Aditya
10	1BG23CS009	Aishwarya D	A	Aishwarya D	Aishwarya D
11	1BG23CS010	Akshath G	A	Ak	Ak
12	1BG23CS011	Amritha Ashok	A		
13	1BG23CS012	Amulya G	A	Amulya	Amulya
14	1BG23CS013	Ananya Srihaana	A	Ananya	Ananya
15	1BG23CS014	Aneesh M S	A		
16	1BG23CS015	Anusha.K.A	A	Anusha k A	Anusha
17	1BG23CS016	Apeksha Gs	A	Apeksha G.S	Apeksha G.S
18	1BG23CS017	Arathi V	A	Arathi	Arathi
19	1BG23CS018	Arundhati Harnoorkar	A	Arundhati	Arundhati
20	1BG23CS019	Athish Suhas M	A	Athish	Athish
21	1BG23CS020	Ayush Kumar	A	Ayush	Ayush
22	1BG23CS021	Balaraj	A	Balaraj	Balaraj
23	1BG23CS022	Bhagya G V	A	Bhagya	Bhagya

24	1BG23CS023	Bhakti Shantappa Guda	A		
25	1BG23CS024	Bharath B	A	Bharath B	Bharath B
26	1BG23CS025	Bhavana V	A	Bharana V	Bharana V
27	1BG23CS026	Bhoomika D R	A	Bhoomika	Bhoomika
28	1BG23CS027	Bibijan Husensab Rajp	A	Bij	
29	1BG23CS028	Chaitra Hanamant Pati	A	Tg 2	Tg 2
30	1BG23CS029	Charan Y V	A	Charan	Charan
31	1BG23CS031	Chinmay Kashyap C S	A		
32	1BG23CS032	Chinmaya V Kavali	A		
33	1BG23CS033	Chinmayi H N	A	Chingji	Chingji
34	1BG23CS034	Chiranandan T M	A	Chir	Chir
35	1BG23CS036	Dammalapati Divya S	A	Divya Sree	Divya Sree
36	1BG23CS037	Danish Sidiq Rather	A	Chingji	Chingji
37	1BG23CS038	Deekshith M V	A	Deekshith	Deekshith
38	1BG23CS039	Deepak R B	A		
39	1BG23CS040	Dhananjay S	A	Dhananjay	Dhananjay
40	1BG23CS041	Ishwar G	A	Pravir G	Pravir G
41	1BG23CS042	Goutham B S	A	Goutham	Goutham
42	1BG23CS043	Gowtham R N	A	Gowtham	
43	1BG23CS044	Guru Raj Patil	A	Gururaj Patil	Gururaj Patil
44	1BG23CS045	Halachandra A Kandal	A		
45	1BG23CS046	Hamsini Bhat V	A		
46	1BG23CS047	Harsha Bharadwaj	A	Harsha	Harsha
47	1BG23CS048	Harshavardhan M	A	Harsh	
48	1BG23CS049	Harshitha N C	A	Harshitha	Harshitha N C
49	1BG23CS050	Hemanth S Gowda	A	Heman	Heman
50	1BG23CS051	Irshad Ahmad S	A	S. Irshad	

51	1BG23CS052	Jhansi T	A	Jhansi.T	Jhansi.T.
52	1BG23CS053	K S Archish	A		
53	1BG23CS054	Kandacharam Deepshi	A	Deepshi	Deepshi
54	1BG23CS055	Karan Khajuria	A	Karan	
55	1BG23CS056	Kavana V	A	Kavana.V	Kavana.V.
56	1BG23CS057	Keerthana K	A	Keerthana	Keerthana
57	1BG23CS058	Keerthana M S	A	Keerthana	Keerthana
58	1BG23CS059	Keerthi Y P	A	Keerthi	Keerthi
59	1BG23CS060	Kishan Kumar C	A		
60	1BG23CS061	Komal B	A	Komal	Komal
61	1BG23CS062	Krishna Karanth G	A	Krishna	Krishna
62	1BG23CS063	Kruthi K Shetty	A		
63	1BG23CS064	Kshithija K M	A	Kshithija	Kshithija
64	1BG24CS400	Akash S	A	Akash	Akash
65	1BG24CS401	Brunda S	A	Brunda.S	Brunda.S
66	1BG24CS402	Divyashree	A	Divyashree	Divyashree
67	1BG24CS403	Kasthala Nithish Kumar	A	K.Nithish	

B N M Institute of Technology

Computer Science and Engineering (CSE)

Microsoft Global Training on Azure IoT Fundamentals

6th Sem Student attendance sheet

Date : 13-03-2026

S.No	USN	Name of the Student	Section	Session 1	Session 2
1	1BG23CS065	Kuldip M K	B	Kuldip	Kuldip
2	1BG23CS066	Kushal D S	B	Kushal	Kushal
3	1BG23CS067	Kusuma R	B	Kusuma	Kusuma
4	1BG23CS068	Likhiteshwara P R	B	Likhiteshwara	Likhiteshwara
5	1BG23CS069	Lohitha R	B	Lohitha .R	Lohitha.R
6	1BG23CS070	M Harini	B	M. Harini	M. Harini
7	1BG23CS071	M Hithesh Kumar	B	M Hithesh	M Hithesh
8	1BG23CS072	Madhu Sudhan K N	B		
9	1BG23CS073	Manasa A	B	Manasa	Manasa
10	1BG23CS074	Manoj Kumar P	B	Manoj Kumar	Manoj Kumar
11	1BG23CS075	Manoj R	B	Manoj R	Manoj R
12	1BG23CS076	Mahesh Acharya R	B	Mahesh Acharya	Mahesh Acharya
13	1BG23CS077	Meghana R	B	Meghana R	Meghana R
14	1BG23CS078	Midhunraj N P	B	Midhunraj	Midhunraj
15	1BG23CS079	M Monikha	B		
16	1BG23CS080	Mohammed Arham	B	Arham	Arham
17	1BG23CS081	Mohan Gowda R	B	Mohan	Mohan
18	1BG23CS082	Mohith Gowda H K	B	Mohith	Mohith
19	1BG23CS083	Mohith S Kumar	B	Mohith	Mohith
20	1BG23CS084	Mona H Reddy	B	Mona	Mona
21	1BG23CS085	Monisha Krishna Murth	B	Monisha	Monisha
22	1BG23CS086	Mukkamalla Bhavya Sre	B	Bhavya	Bhavya

S.No	USN	Name of the Student	Section	Session 1	Session 2
23	1BG23CS087	Namitha	B	<i>NB</i>	<i>NB</i>
24	1BG23CS088	Nandu D	B	<i>Nandu D</i>	<i>Nandu D</i>
25	1BG23CS089	Narayana H	B	<i>Nglashtti</i>	<i>Nglashtti</i>
26	1BG23CS090	Navya S	B	<i>Navya S</i>	<i>Navya S</i>
27	1BG23CS091	Nayana P	B	<i>Nayana P</i>	<i>Nayana P</i>
28	1BG23CS092	Neha B	B	<i>Neha</i>	<i>Neha</i>
29	1BG23CS093	Niharika R B	B	<i>Niharika</i>	<i>Niharika</i>
30	1BG23CS094	Nimra Sadaf	B	<i>Nimra</i>	
31	1BG23CS095	Nisarga G C	B	<i>Nisarga</i>	<i>Nisarga</i>
32	1BG23CS096	Nishith Shailendra	B	<i>Nish</i>	<i>Nish</i>
33	1BG23CS097	Niti Naman	B	<i>N. Naman</i>	
34	1BG23CS098	Ojas Sinha	B	<i>Ojas Sinha</i>	<i>Ojas Sinha</i>
35	1BG23CS099	P Praveen Kumar	B	<i>P</i>	
36	1BG23CS100	Poojitha B	B	<i>P</i>	<i>P</i>
37	1BG23CS101	Poorna Bodha Jeevaji M	B	<i>Poorna</i>	<i>Poorna</i>
38	1BG23CS102	Prabhath G Nayak	B		
39	1BG23CS103	Pragathi H R	B	<i>Pragathi HR</i>	<i>Pragathi HR</i>
40	1BG23CS104	Prajwal Gowda B N	B	<i>P</i>	<i>P</i>
41	1BG23CS105	Prajwal Gowda N	B	<i>P</i>	<i>P</i>
42	1BG23CS106	Prajwal Kumar T	B	<i>P</i>	<i>P</i>
43	1BG23CS107	Pramod R Talawar	B	<i>P</i>	<i>P</i>
44	1BG23CS108	Pranav V	B	<i>P</i>	<i>P</i>
45	1BG23CS109	Priyanka B	B	<i>P</i>	
46	1BG23CS110	Priyanka S V	B	<i>Priya</i>	<i>Priya</i>
47	1BG23CS111	Puneeth Raj Kumar M	B	<i>P</i>	<i>P</i>

S.No	USN	Name of the Student	Section	Session 1	Session 2
48	1BG23CS112	R Bhoomika Jain	B	<u>Bhoomika</u>	
49	1BG23CS113	Rachana F Patil	B	<u>Rachana F Patil</u>	<u>Rachana F Patil</u>
50	1BG23CS114	Rachana S B	B	<u>Rachana</u>	<u>Rachana</u>
51	1BG23CS115	Rachapalli Mohith Sai	B	<u>Mohith</u>	<u>Mohith</u>
52	1BG23CS117	Rahul	B	<u>Rahul</u>	<u>Rahul</u>
53	1BG23CS118	Rahul Raj	B	<u>Rahul Raj</u>	
54	1BG23CS119	Rajiv S	B	<u>Rajiv S.</u>	<u>Rajiv S.</u>
55	1BG23CS120	Rakshitha Meleyyanavar	B	<u>R.M.</u>	<u>R.M.</u>
56	1BG23CS121	Rakshitha N M	B	<u>R.N.M.</u>	<u>R.N.M.</u>
57	1BG23CS122	Rishika H C	B	<u>R.H.C.</u>	<u>R.H.C.</u>
58	1BG23CS123	Rishith A S	B	<u>R.A.S.</u>	
59	1BG23CS124	Ruchit Pahadia	B	<u>Ruchit</u>	<u>Ruchit</u>
60	1BG23CS125	S N Lalithya	B	<u>Lalithya</u>	<u>Lalithya</u>
61	1BG23CS126	S R Anirudh	B	<u>Anirudh</u>	<u>Anirudh</u>
62	1BG23CS127	Sachith B S	B	<u>Sachith B.S.</u>	<u>Sachith B.S.</u>
63	1BG23CS128	Sai Saanvi D S	B	<u>Saanvi</u>	<u>Saanvi</u>
64	1BG23CS129	Sakshi G K	B	<u>Sakshi</u>	<u>Sakshi</u>
65	1BG24CS404	Lavanya M	B	<u>Lavanya M.</u>	<u>Lavanya M.</u>
66	1BG24CS405	Nerimetla Patil Karthik	B	<u>N.P. Karthik</u>	<u>N.P. Karthik</u>
67	1BG24CS406	Raksha R	B	<u>Raksha</u>	<u>Raksha R.</u>
68	1BG24CS407	Sahana P M	B	<u>Sahana</u>	<u>Sahana</u>
69	1BG24CS408	Sai Hrishikesh	B	<u>Sai</u>	<u>Sai</u>

HOD:

B N M Institute of Technology

Computer Science and Engineering (CSE)

Microsoft Global Training on Azure IoT Fundamentals

6th Sem Student attendance sheet

Date : 13-03-2026

S.No	USN	Name of the Student	Section	Session 1	Session 2
1	1BG23CS116	Raghavendra G	C	Raghavendra G	Raghavendra G
2	1BG23CS130	Sakshi S Maliye	C	Sakshi S Maliye	Sakshi S Maliye
3	1BG23CS131	Sanchita H	C	Sanchita H	Sanchita H
4	1BG23CS132	Sanjana Umadi	C	Sanjana Umadi	Sanjana Umadi
5	1BG23CS133	Sanjusri S R	C	Sanjusri S R	Sanjusri S R
6	1BG23CS134	Sarvesh G	C	Sarvesh G	Sarvesh G
7	1BG23CS135	Seema.G.R	C	Seema.G.R	Seema.G.R
8	1BG23CS136	Shambhavi	C	Shambhavi	Shambhavi
9	1BG23CS137	Shambhavi Pandey	C	Shambhavi Pandey	Shambhavi Pandey
10	1BG23CS138	Shamitha Basavaraj	C	Shamitha Basavaraj	Shamitha Basavaraj
11	1BG23CS140	Shashank Upadhya J	C	Shashank Upadhya J	Shashank Upadhya J
12	1BG23CS141	Shivana Gowda R	C	Shivana Gowda R	Shivana Gowda R
13	1BG23CS142	Shivani G S	C	Shivani G S	Shivani G S
14	1BG23CS143	Shradda M Shetty	C	Shradda M Shetty	Shradda M Shetty
15	1BG23CS144	Shravani	C	Shravani	Shravani
16	1BG23CS145	Shree Hari M S	C	Shree Hari M S	Shree Hari M S
17	1BG23CS146	Shreenivasa Murthy	C	Shreenivasa Murthy	Shreenivasa Murthy
18	1BG23CS147	Shrey Kumar	C	Shrey Kumar	Shrey Kumar
19	1BG23CS148	Shreya Agrawal	C	Shreya Agrawal	Shreya Agrawal
20	1BG23CS149	Shreyas Anil Kembha	C	Shreyas Anil Kembha	Shreyas Anil Kembha
21	1BG23CS150	Shriharsh Mahesh De	C	Shriharsh Mahesh De	Shriharsh Mahesh De
22	1BG23CS151	Sindhuja C S	C	Sindhuja C S	Sindhuja C S
23	1BG23CS152	Sindhura R	C	Sindhura R	Sindhura R
24	1BG23CS153	Smitha P	C	Smitha P	Smitha P
25	1BG23CS154	Soham Samarth Rao	C	Soham Samarth Rao	Soham Samarth Rao
26	1BG23CS155	Spoorthi S Gowda	C	Spoorthi S Gowda	Spoorthi S Gowda
27	1BG23CS156	Sriharsha Reddy T	C	Sriharsha Reddy T	Sriharsha Reddy T
28	1BG23CS158	Srinivasa B N	C	Srinivasa B N	Srinivasa B N
29	1BG23CS159	Srusti M	C	Srusti M	Srusti M
30	1BG23CS160	Sudeep Kashappagouda	C	Sudeep Kashappagouda	Sudeep Kashappagouda
31	1BG23CS162	Suhas R	C	Suhas R	Suhas R
32	1BG23CS163	Sujan	C	Sujan	Sujan
33	1BG23CS165	Sumukha M V	C	Sumukha M V	Sumukha M V
34	1BG23CS166	Sundaram Kumar	C	Sundaram Kumar	Sundaram Kumar
35	1BG23CS167	Tanish Jain	C	Tanish Jain	Tanish Jain
36	1BG23CS168	Tanmay Anand	C	Tanmay Anand	Tanmay Anand
37	1BG23CS169	Thanmayee M K	C	Thanmayee M K	Thanmayee M K

S.No	USN	Name of the Student	Section	Session 1	Session 2
38	IBG23CS170	Thrisha R	C	Thrisha.R	Thrisha.R
39	IBG23CS171	Untla Nithish Reddy	C	U.Nithish	U.Nithish
40	IBG23CS172	V M Skandamahima	C	V.M.Skandamahima	V.M.Skandamahima
41	IBG23CS173	V S Manoj Kumar	C	V.S.Manoj	V.S.Manoj
42	IBG23CS175	Vani Jayadev Khurasa	C	Vani Jayadev	Vani Jayadev
43	IBG23CS177	Varshith Reddy R	C	Varshith Reddy	Varshith Reddy
44	IBG23CS178	Varshitha S	C	Varshitha S	Varshitha S
45	IBG23CS179	Varun H N	C	Varun H N	Varun H N
46	IBG23CS180	Vedant Vishwanath H	C	Vedant Vishwanath	Vedant Vishwanath
47	IBG23CS181	Vedanth C	C	Vedanth C	Vedanth C
48	IBG23CS182	Vighnesh Reddy S	C	Vighnesh Reddy	Vighnesh Reddy
49	IBG23CS183	Vijaylaxmi	C	Vijaylaxmi	Vijaylaxmi
50	IBG23CS184	Vijetha B V	C	Vijetha B V	Vijetha B V
51	IBG23CS185	Vinay B Antharagatte	C	Vinay B Antharagatte	Vinay B Antharagatte
52	IBG23CS186	Vinay S	C	Vinay S	Vinay S
53	IBG23CS187	Vineeth Udupa	C	Vineeth Udupa	Vineeth Udupa
54	IBG23CS188	Vinutha B S	C	Vinutha B S	Vinutha B S
55	IBG23CS189	Vishnu P Kumar	C	Vishnu P Kumar	Vishnu P Kumar
56	IBG23CS190	Vismaya M	C	Vismaya M	Vismaya M
57	IBG23CS191	Yashaswini K M	C	Yashaswini K M	Yashaswini K M
58	IBG23CS192	Yashaswini M	C	Yashaswini M	Yashaswini M
59	IBG24CS409	Sandhya H M	C	Sandhya H.M	Sandhya H.M
60	IBG24CS410	Seema Devidas Gurav	C	Seema Devidas Gurav	Seema Devidas Gurav
61	IBG24CS411	Sneha Manjunath Nay	C	Sneha Manjunath Nay	Sneha Manjunath Nay
62	IBG24CS413	Syed Shahzan	C	Syed Shahzan	Syed Shahzan
63	IBG24CS414	Tejaswini N	C	Tejaswini N	Tejaswini N
64	IBG23CS196	Kumkum Kumari	C	Kumkum Kumari	Kumkum Kumari
65	IBG23CS194	Kadaburu Matam Spo	C	Kadaburu Matam Spo	Kadaburu Matam Spo
66	IBG23CS197	Rajiv Ranganath	C	Rajiv Ranganath	Rajiv Ranganath
67	IBG23CS195	Roushan Kumar	C	Roushan Kumar	Roushan Kumar
68	IBG23CS193	Suhas	C	Suhas	Suhas
69	IBG23CS198	Gagan Bidaralli	C	Gagan Bidaralli	Gagan Bidaralli


 Head of the Department
 Dept. of Computer Science & Engineering
 BNM Institute of Technology
 Bangalore - 560 070

B N M Institute of Technology

An Autonomous Institution under VTU

Department of Computer Science and Engineering

In association with IEEE CS Chapter and ISTE

Microsoft Global Training Workshop on Azure IoT Fundamentals

Date: 13-03-2026

Time: 9:00 AM – 4:00 PM

Participants: 6th Semester BE (CSE) Students

Venue: A215 Auditorium block, BNMIT

Introduction

The Department of Computer Science and Engineering, BNM Institute of Technology, in association with the IEEE CS Chapter and ISTE, organized a *Global Training Workshop* on “Azure IoT Fundamentals” for 6th semester students. The workshop was conducted on 13th March 2026 at A-215, Auditorium Block, BNMIT.

Objectives:

To enable the Students to:

1. Understand the fundamentals of Internet of Things (IoT) and how IoT solutions integrate devices, connectivity, and cloud platforms.
2. Gain foundational knowledge of cloud computing concepts, including cloud service models and types of cloud deployments.
3. Learn the basics of Microsoft Azure platform and understand how to create and manage core Azure resources.
4. Understand how IoT devices communicate with the cloud using Azure IoT Hub and common IoT communication protocols.
5. Explore Azure IoT services and solutions such as IoT Central, IoT Edge, and Azure Digital Twins for building real-world IoT applications

Topics Covered:

1. Introduction to Internet of Things (IoT)
2. Introduction to Cloud Computing
3. Cloud Service Models (IaaS, PaaS, SaaS)
4. Types of Cloud (Public, Private, Hybrid)
5. Introduction to Microsoft Azure
6. Basics of Microsoft Azure Services
7. Azure Cost Management
8. Azure Resource Groups
9. Azure Regions
10. Azure Pricing Calculator
11. Deploying Web Service on Azure Virtual Machine
12. Azure Storage Account
13. Azure IoT Hub
14. IoT Communication Protocols
15. Azure IoT Central
16. Azure IoT Edge
17. Azure Digital Twins

Key Highlights of Azure IoT Fundamentals Training

- Foundations of IoT: Understand IoT concepts, components, and how devices, connectivity, and cloud platforms integrate to create IoT solutions.
- Cloud Computing Basics: Learn core cloud concepts, service models (IaaS, PaaS, SaaS), and deployment types (Public, Private, Hybrid).
- Microsoft Azure Essentials: Get hands-on with Azure, including core services, resource groups, regions, cost management, pricing, storage accounts, and deploying web services.
- IoT Device Communication: Explore how IoT devices connect and communicate with the cloud using Azure IoT Hub and standard IoT communication protocols.
- Azure IoT Services: Gain practical knowledge of Azure IoT Central, IoT Edge, and Azure Digital Twins to design and manage real-world IoT applications

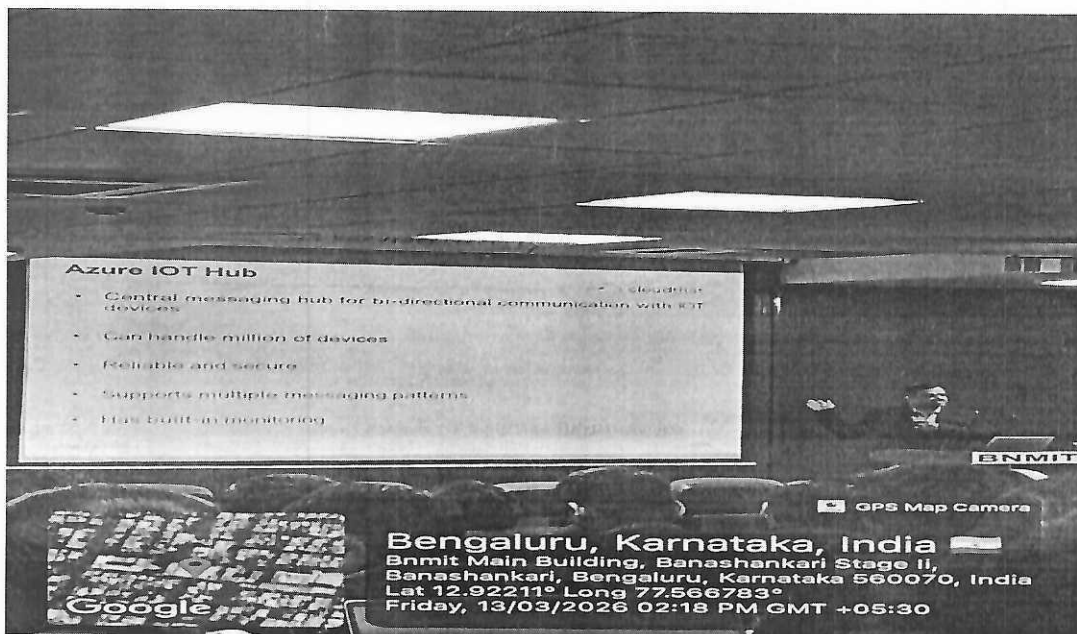
Links shared by Resource person:

- [https://bnmstoragef.blob.core.windows.net/imagecontainer/Azure IoT Lab Exercise.docx](https://bnmstoragef.blob.core.windows.net/imagecontainer/Azure%20IoT%20Lab%20Exercise.docx)
- [https://bnmstoragef.blob.core.windows.net/imagecontainer/Media \(2\).jfif](https://bnmstoragef.blob.core.windows.net/imagecontainer/Media%20(2).jfif)
- [https://bnmstoragef.blob.core.windows.net/imagecontainer/Media%20\(2\).jfif](https://bnmstoragef.blob.core.windows.net/imagecontainer/Media%20(2).jfif)
- <https://bnmstoragef.blob.core.windows.net/imagecontainer/Azure%20IoT%20Lab%20Exercise.docx>
- IoT Central : <https://apps.azureiotcentral.com/home> or aka.ms/iotcentral

Conclusion

This training gives students a solid foundation in IoT and cloud technologies using Microsoft Azure. By the end, they will be able to connect IoT devices, manage Azure resources, and create basic IoT solutions, preparing them for practical projects and future careers in IoT and cloud computing.

Photo proofs:



Chayan
Head of the Department
Dept. of Computer Science & Engineering
BMIT Institute of Technology
Bangalore - 560 070



Chayal
Head of the Department
Dept. of Computer Science & Engineering
BOM Institute of Technology
Bangalore - 560 070

BNM Institute of Technology
Department of Computer Science and Engineering
in association with
BNMIT IEEE CS Chapter and ISTE

Microsoft Global Training Workshop on “Azure IoT Fundamentals”

Event Date: 13th March 2026

Participants: Sixth semester students of CSE

The Department of Computer Science and Engineering, BNM Institute of Technology, in association with the BNMIT IEEE Computer Society Student Branch Chapter, organized a hands-on workshop titled “Azure IoT Fundamentals” on 13th March 2026. The workshop, delivered by Dr. Naveen H, Vertical Head – IoT/Azure, Microsoft Certified Trainer, CloudThat, focused on providing practical exposure to connecting IoT devices, managing Azure resources, and building real-world IoT applications using Azure IoT Hub, IoT Central, IoT Edge, and Azure Digital Twins.

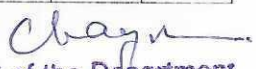
Course Outcomes (COs):

CO1: Apply Microsoft Azure services to create, configure, and manage cloud resources like virtual machines, storage accounts, and web services for practical cloud-based projects.

CO2: Apply Azure IoT solutions including IoT Hub, IoT Central, IoT Edge, and Digital Twins to connect devices, manage data flow, and develop real-world IoT applications

Cos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2
CO1	3	2			3								2
CO2		3	2		3				2				2

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2
CO1	3	2			3								2
CO2		2	2		3				2				2
PO Attainment	3	3	3		3				3				3


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Department of Computer Science and Engineering

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Microsoft Global Training Workshop on Azure IoT Fundamentals

Students Feedback

Question	Excellent (5)	Very Good (4)	Good (3)	Average (2)	Poor (1)	Weighted score (%)
How effectively did the workshop help you to improve your IoT and Azure management skills?	74	56	6	0	1	89.4
Level of engagement and interaction with the participants?	77	51	7	1	1	89.4
How clearly did the resource person explain and convey the concepts?	82	45	7	3	0	90.0
How confident are you in choosing the right Azure and IoT tools and strategies for deploying scalable applications?	71	53	12	1	0	88.4
How would you rate the overall event?	78	53	5	1	0	90.4



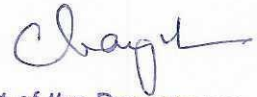
Head of the Department
Dept. of Computer Science & Engineering

B.N.M. Institute of Technology

Bangalore - 560 070

Resource Person's details:**Dr. Naveen H****Vertical Head – IoT/Azure, Microsoft Certified Trainer
CloudThat**

Dr Naveen works as a Vertical head and a Subject Matter Expert in IoT and Cloud Infra team, CloudThat. He is passionate and dedicated trainer with 16+ years of experience in academics, research and training. He is specialist on IoT, networking, automation, network security, wireless technologies, IoT, Azure IoT, Azure cloud infrastructure, Azure Migration, Cloud and device Security. Dr Naveen holds Ph.D in underwater communication and networking. He worked on both clouds as well on-Premises using wide array of platforms/technologies like Azure, AWS, Wireshark packet analyzer, Raspberry Pi boards, Cisco Routers and Switches, Arduino, PSOC 5LP boards, ARM Controllers. He has trained more than 2000 corporate professional on various technologies. He was recognized by Microsoft as one of Top 100 MCT Awards 2024 Globally.



Head of the Department
Dept. of Computer Science & Engineering
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Bangalore - 560 070

Date: 13/03/2026

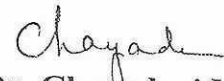
To,

Dr. Naveen H
Vertical Head
IoT/Azure Microsoft Certified Trainer
Cloudthat
Bengaluru.

LETTER OF APPRECIATION

We are extremely thankful to *Dr. Naveen H, Vertical Head IoT/Azure Microsoft Certified Trainer, Cloudthat, Bengaluru* for being a Resource Person for workshop on "*Microsoft Global Training on Azure IoT Fundamentals*", on 13.03.2026 at *Department of computer Science and Engineering, BNM Institute of Technology, Bengaluru.*

We express our sincere gratitude and request you to extend similar co-operation in future.


Dr. Chayadevi M L
HOD & Professor
Dept. of CSE, BNMIT, Bengaluru.
Head of the Department
Dept. of Computer Science & Engineering
B.N.M. Institute of Technology
Bangalore - 560 070

REQUEST FOR SEMINAR HALL/AUDITORIUM

Sl No	2100
Date	20-02-2026
Requisitioned by	S L Satheesh Kumar
Department	Placement
Number of Audience	200
Seminar Hall	A215 - Auditorium Seminar Hall
Purpose	Azure IOT Session by Microsoft
Program From Date	13-03-2026
Program To Date	13-03-2026
From	08:30 AM
To	04:30 PM
Generator Required	YES
Photographer Required	YES
Premises Availability	Available
Remarks	
Facility Arrangements Department	Dr. Yasha Jyothi M Shirur(HOD ECE)
Review By HOD	Dr. S. Y. Kulkarni(Principal)
Sanctioned by Principal	APPROVED
Sanctioned by Management	

To
The EEE HOD
BNMIT

Through HOD, CSE

From
Akshitha and Sangeetha
Assistant Professor
Dept. of CSE
BNMIT

Subject: Requesting for 40 Extension box

Respected Sir,

Department of Computer Science Engineering
organizing workshop on Azure IOT fundamentals
in association with microsoft. For this event, we
require 40 extension box. ~~for~~ kindly provide this for
event on 13th march 2026 and do the needful.

Thanking you

Yours sincerely

Ah

Akshitha

AT. Sangeetha

Forwarded to EEE HOD
to the needful

Chayal
6/3/26

BNM Institute of Technology

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**Department of Computer Science and Engineering
in association with**

BNMIT IEEE Computer Society SBC SBC14831D

**Report on Hands-On Workshop on " Redis for High Performance NoSQL Applications:
Industry Perspectives"**

Event Title: Hands-On Workshop on " Redis for High Performance NoSQL Applications:
Industry Perspectives"

Event Date and Time: 22nd Jan 2026 (10:30 am to 12:30 pm) and 23rd Jan 2026 (10:30 pm to
4:30 pm)

Venue: M201, BNMIT

Participants: Sixth semester students of CSE

Resource Person:

Mr. Gopinath A

Data Engineer & Corporate Trainer, Deloitte

A hands-on workshop titled “**Redis for High Performance NoSQL Applications: Industry Perspectives**” was organized by the **Department of Computer Science & Engineering, BNMIT**, in association with the **IEEE Computer Society – SBC SBC14831D**, on **22nd and 23rd January 2026**. The workshop was exclusively conducted for **sixth semester Computer Science & Engineering students enrolled in the NoSQL course**.

The primary objective of the workshop was to provide students with practical exposure to **Redis**, a high-performance in-memory NoSQL data store, and to bridge the gap between theoretical concepts and real-world industry practices. The session emphasized hands-on learning and industry-relevant use cases, enabling students to understand how Redis is applied in modern scalable applications.

Objectives of Talk:

1. Understand the fundamentals of Redis and its role in NoSQL systems
2. Learn the concept of caching and in-memory data storage
3. Gain exposure to real-world industry use cases of Redis
4. Acquire hands-on experience with Redis commands and basic architecture
5. Understand session management using Redis in web applications

Topics Covered:

The topics covered on the first and second day included:

1. Introduction to Redis and NoSQL databases
2. Overview of Redis architecture (surface-level concepts)
3. Redis primitive data types and their usage
4. Redis use cases in real-world industry applications
5. Session management using Redis
6. Performance and scalability considerations
7. Hands-on demonstrations using Redis
8. Interactive Q&A and discussion sessions
9. **Core Concepts:** Datatypes, constants, operators, boolean logic, and If.. Else statements.

Key Highlights:

1. Live hands-on demonstrations with Redis commands
2. Industry-oriented explanation of Redis use cases
3. Interactive sessions encouraging student participation
4. Practical discussion on session management using Redis
5. Open Q&A sessions for clarification of concepts

Conclusion:

The two-day hands-on workshop proved to be informative and beneficial for the participants. The students actively engaged in the sessions and appreciated the practical exposure provided during the workshop. Overall, the event was successful in achieving its objectives and added significant value to the academic and practical knowledge of the students.

B.N.M. Institute of Technology
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Department of Computer Science & Engineering

Workshop on
REDIS for High Performance NoSQL Applications: Industry Perspectives

In Association with
IEEE Computer Society - SBC SBC14831D

Date: 22nd & 23rd January 2026
Time: 9:30 am to 4:30 pm
Venue: M201 Main Block, BNMIT

Resource Person

Mr. Gopinath A
Data Engineer & Corporate Trainer
Deloitte

Organizers

Dr. Chayadri M. L.
Professor & HOD

Dr. Anith Shikhar C
Associate Professor

Prof. V. Ravi Pratyeka
Assistant Professor

Sri. Narayan Rao R. Mooney
Chairman GIB
BNMIT

Prof. T. J. Rama Murthy
Director
BNMIT

Dr. S. Y. Kulkarni
Additional Director & Principal
BNMIT

Prof. Eishwar N. Mooney
Dean
BNMIT

Dr. Krishnamurthy G. N.
Deputy Director
BNMIT



BNM Institute of Technology

An autonomous Institution under VTU

Department of Computer Science and Engineering in association with

BNMIT IEEE Computer Society Student Chapter

Introduction:

The Department of Computer Science and Engineering, BNM Institute of Technology, in association with the BNMIT IEEE Computer Society Student Branch Chapter, organized a hands-on workshop titled “Redis for High Performance NoSQL Applications: Industry Perspectives” on 22nd and 23rd January 2026. The workshop, delivered by Mr. Gopinath A, Data Engineer and Corporate Trainer at Deloitte, focused on providing practical exposure to Redis, caching mechanisms, session management, and industry-relevant NoSQL applications.

Course Outcomes (COs):

CO1: Understand the fundamentals of Redis and its role as a high-performance in-memory NoSQL data store.

CO2: Apply Redis data types and commands to implement caching and session management in web applications.

CO3: Analyze real-world industry use cases of Redis with respect to performance, scalability, and system design.

Workshop Outcomes and Mapping to Program Outcomes (POs):

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	2			3							2		
CO2		3	2		3				2					2
CO3		3		2		3	3							2

Feedback Questionnaire and Mapping to outcomes:

Sl. No.	Question	COs Mapped	Total No. of Students Attended	Excellent (5)	Very Good (4)	Good (3)	Average (2)	Poor (1)	Weighted Score (%)
1	Resource person's ability to explain the concepts in a clear and understandable manner?	1	60	37	21	2	0	0	90.7
2	Level of engagement and interaction with the participants?	1	60	35	22	2	0	1	90.3
3	Impact of this workshop on your understanding of how to implement scalable NoSQL solutions in practical applications.	3	60	31	27	2	0	0	89.7
4	How effectively did the workshop improve your ability to manage application performance using in-memory storage and caching?	2	60	34	25	1	0	0	91.0
5	Rate your proficiency in choosing the right NoSQL tools (e.g.,	1, 3	60	36	23	1	0	0	91.7

	MongoDB, Redis) and strategies for scalable application deployment													
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CO-PO/PSO Attainment

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	2			3							2		
CO2		2	2		3				2					2
CO3		3		2		3	3							2
Final Attainment	3	2.5	2	2	3	3	3		2			2		2

Report of “SAGACITY”

Title of the Event:

“SAGACITY – IEEE Week 2025”

Date: 10th October, 2025

Time: 1:30 PM to 3:30 PM

Venue: S Block, S-006, BNMIT

Participants: 74

Organized by:

IEEE Computer Society – BNMIT Student Branch Chapter and

IEEE BNMIT Student Branch Chapter

B.N.M. Institute of Technology (Autonomous), Bengaluru

Overview :

Sagacity, a quiz competition, organized by the IEEE Computer Society Student Chapter, was an intellectually engaging event designed to test participants’ knowledge across a wide spectrum of topics, including technology, current affairs, general knowledge and logical reasoning. The event aimed to foster curiosity, quick thinking and teamwork among students while providing a platform for interactive learning beyond the classroom. The quiz attracted enthusiastic participation from students across various departments, with its multiple rounds and increasing order of difficulty and diversity to challenge participants’ awareness and problem-solving skills. The event successfully blended education with entertainment, encouraging students to think critically and respond swiftly.

Event Proceedings :

1. The event commenced with an introduction to IEEE, its benefits and various societies involved, both globally and with respect to BNMIT. Students were introduced to the IEEE’s objectives and its commitment to fostering technical and analytical learning. This was followed by a brief overview of the rules, format and evaluation criteria by the quizmaster.
2. The competition commenced with Round 1, which was an online quiz hosted on the “Wayground” platform. This round consisted of 50 MCQ type questions, including science, technology, general knowledge and current affair questions, and students were given 20 minutes to answer all questions. 20 teams qualified in this round and made it to the second round.
3. The second round was a Visual Round, which was conducted on paper. Participants were shown a set of 20 visual based questions, including logos, brands, taglines, flags and famous personalities. Each team was given 30 seconds for each visual and points were awarded based on accuracy. This round saw intense competition and tested the teams’ observation, recall ability and awareness of technological and corporate icons. The session was highly engaging and the visual element added an interactive and exciting dimension to the quiz. 10 teams qualified for the third and last round.

4. The final round comprised riddle-based questions, challenging the participants' spontaneity, logical reasoning and presence of mind. The quizmaster maintained a lively pace, giving students exactly 60 seconds to solve each riddle, keeping everyone thoroughly engaged.
5. After an intense and competitive finale, the top 3 teams emerged as the winners of Sagacity, demonstrating exceptional teamwork and broad knowledge across multiple domains.
6. The event concluded with the announcement of winners and a gratitude speech by members of the IEEE CS chapter, thanking all the participants and volunteers for their contribution.

Objective :

- To encourage students to think critically and apply their knowledge across diverse domains.
- To promote awareness of science, technology and current affairs.
- To enhance analytical, logical reasoning and problem-solving skills.
- To foster teamwork, communication and a spirit of healthy competition.
- To strengthen student engagement with IEEE and its technical activities.

Conclusion :

Sagacity proved to be an intellectually stimulating and successfully executed event. It achieved its goal of creating a problem where students could showcase their knowledge, agility and logical reasoning abilities in a competitive yet collaborative environment. Each round of the quiz brought out the participants' enthusiasm and passion for learning, while the visual and riddle-based segments added a creative edge to the competition. The event received positive feedback from both participants and faculty members, who appreciated the smooth coordination, innovative question formats, and active involvement of the organizing team.

Overall, Sagacity not only strengthened student engagement within the IEEE community but also reflected the chapter's commitment to promoting analytical thinking, teamwork, and continuous learning among future engineers.

Event Images :





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Report of “IEEE Outreach Program”

Title of the Event:

“IEEE Outreach Program – IEEE Week 2025”

Date: 9th October, 2025

Time: 9:30 AM to 3:00 PM

Venue: M Block, M-201, BNMIT

Participants: 65

Organized by:

IEEE BNMIT Student Branch Chapter and
IEEE Computer Society – BNMIT Student Branch Chapter and
B.N.M. Institute of Technology (Autonomous), Bengaluru

Overview :

The IEEE Outreach Program for IEEE Week 2025, organized by IEEE BNMIT Student Branch Chapter and IEEE Computer Society, BNMIT was a one-day interactive learning initiative aimed at introducing Grade 8 students from BNM School (ICSE) to the fundamentals of technology, cybersecurity, programming and designing. The event provided young learners with an opportunity to explore the exciting world of STEM through engaging presentation, activities and hands-on sessions. Topics such as Internet basics, online safety, cybersecurity awareness among others were covered in a beginner-friendly and interactive manner.

Event Proceedings :

1. The event began with welcoming the students from BNM School and escorting them to the venue. The session commenced with an introduction to IEEE, its global mission, and the role of student branches in fostering technical learning and innovation.
2. The first technical session covered an Introduction to the Internet, delivered through an engaging presentation that explained how the Internet works, its benefits, and the importance of responsible online behavior. To add a fun and interactive element, a game titled “Tower of Treasure” was conducted. This activity encouraged teamwork, quick thinking, and logical reasoning among the students.
3. Following this, a detailed session on Cybersecurity was presented, covering essential topics such as data privacy, safe browsing habits and protection against online threats. A quiz based on cybersecurity concepts was then conducted to test the students’ understanding of the topic. The quiz was lively, competitive and helped reinforce key takeaways from the previous session.
4. Following this, a session on Python Programming was conducted, where students were introduced to the basics of coding through a simple and beginner-friendly presentation. Examples and many visuals were used to explain core programming concepts. The students were very curious to learn more topics and actively engaged in discussions asking insightful questions.

5. After the morning session, students enjoyed a lunch break from 12:30 PM to 1:30 PM, providing an opportunity for informal interaction between IEEE volunteers and the visiting students.
6. Post lunch, another small quiz on all fundamental programming concepts was hosted to revise and reinforce ideas before the next session.
7. The day concluded with a hands-on Figma session, where students explored the fundamentals of UI/UX design and learned how to use Figma as a creative design tool. The session encouraged creativity, innovation and collaboration among the young bright minds.

Objective :

- To introduce school students to fundamental concepts in technology and programming.
- To create awareness about the Internet, cybersecurity and safe online practices.
- To encourage curiosity and interest in STEM through interactive activities and games.
- To provide hands-on exposure to creative tools like Figma and basic coding using Python.
- To strengthen the connection between IEEE student members and the local school community.

Conclusion :

The IEEE Outreach Program for school students was a resounding success, effectively bridging the gap between school-level learning and real-world technology exposure. The event reflected IEEE's commitment to spreading technical awareness and nurturing young minds towards innovation and responsible digital citizenship. The program concluded on a positive note, with appreciation from both the students and faculty, setting a strong precedent for future outreach initiatives by the IEEE Computer Society Student Chapter.

Event Images :





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BNMIT IEEE Computer Society Student Chapter

Report on Technical Talk on "Machine Learning for Climate Science & Earth Observation"

Event Title: Technical Talk on "Machine Learning for Climate Science & Earth Observation"

Event Date and Time: 13th Sept, 2025 ,10:00 am to 12:00 pm

Venue: Room M309, BNMIT Campus

Participants: 70 Participants

Resource Person:

Mr. Aman Bagrecha

Geospatial Scientist at GalaxEye Space

Young Professional Chair, IEEE GRSS Bangalore Chapter

The IEEE Geoscience and Remote Sensing Society (GRSS) in collaboration with the IEEE Computer Society Student branch chapter at B.N.M. Institute of Technology, organized a technical talk titled "Machine Learning for Climate Science and Earth Observation" on 13th September, 2025. Delivered by Mr. Aman Bagrecha, Senior Geospatial Scientist at GalaxEye, the session highlighted the transformative role of artificial intelligence in analyzing satellite imagery and geospatial data to address pressing global challenges.

Objectives of Talk:

1. To provide insights into the role of **Machine Learning and Artificial Intelligence** in advancing climate science and Earth observation through satellite data and geospatial analytics.

2. To encourage students and professionals to explore and contribute to the application of **AI-driven geospatial technologies** in addressing critical global challenges such as climate change, disaster management, and sustainable development.

Key Highlights & Topics Covered:

1. **Transformative Applications:** The talk offered insights into applications such as deforestation analysis, fire count prediction, river monitoring, and flood mapping.
2. **Tools & Technologies:** Usage of tools like **QGIS, PyTorch, and Zarr** was supported by discussions on Sentinel satellite data and hyperspectral imagery.
3. **Real-world Case Studies:**
 - **Water Resources:** Monitoring of the Tungabhadra river served as an example of harnessing geospatial data for water resource challenges.
 - **Disaster Management:** The **2018 Kerala Floods** were analyzed through road network mapping to understand infrastructure disruption during disasters.
4. **Advanced Techniques:** Emerging techniques such as natural language geocoding, vision-language models, time series analysis, and Sentinel-1 SAR data (radar pulse emission) were discussed.

Conclusion:

The session concluded by highlighting the enormous promise of AI-powered geospatial science for climate change, disaster management, and sustainability. It provided motivation to learn more about the profession of fusing theoretical ideas with real-world case studies. The session effectively realized how crucial it is to use cutting-edge technologies in order to create a future that is more sustainable.

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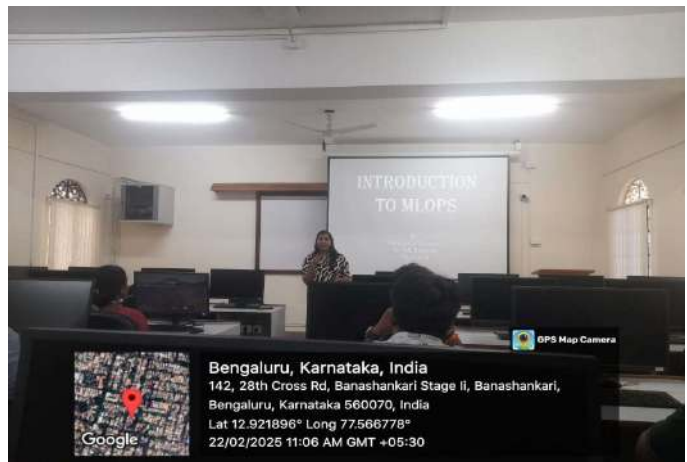
Event Title: Alumni Series Talk on Machine Learning Operations (MLOps)

Date & Time: 22nd February 2025, 11:00 AM to 1:00 PM

Venue: M104, BNMIT **Participants:** M. Tech. CSE Students.

Resource Person: Priyanka V Galagali, Software Engineer AIML, Dimaag-AI

The Department of Computer Science & Engineering at BNMIT, in collaboration with the IEEE Computer Society BNMIT - SB, hosted an Alumni Series Talk on **Machine Learning Operations (MLOps)**. The session aimed to provide M. Tech. CSE students with insights into MLOps, a critical area in deploying and managing machine learning models efficiently in production environments.



B.N.M. Institute of Technology

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Department of Computer Science and Engineering

“Code-A-Thon”

Date and Time:

- **Round 1:** 27th November 2024, 1:30 PM – 5:30 PM
- **Round 2:** 28th November 2024, 2:00 PM – 5:00 PM

Participants: 33

BNMIT IEEE Computer Society (CS) Student branch, organized a two-round Code-A-Thon in collaboration with CodeTantra. The event aims to promote a robust coding culture on campus, encourage problem-solving skills, and nurture creativity among students. The event was a success, promoting a strong coding culture and fostering problem-solving skills among our students.



Winners:

1. Vinay S - 3rd Sem CSE
2. Pratheek P – 5th Sem CSE
3. Harsha Y – 1st Sem CSE

B.N.M. Institute of Technology

An Autonomous Institution under VTU

Department of Computer Science and Engineering

“Bridge Course on “C Programming Language for Lateral Entry Students”

Date: 4th and 11th September 2024

Time: 2 pm to 5pm

Participants: 25

Bridge Course on “C Programming Language” for Lateral Entry Students was organized by Department of Computer science & Engineering, BNMIT in association with IEEE Computer Society, BNMIT SB on 4th and 11th September 2024. The primary objective of the workshop was to familiarize students with problem solving skills and basics of C programming language.

Prof. Kalpa Rajashekar, Assistant Professor, Dept. Of CSE, BNMIT handled the sessions as the resource person.



B.N.M. Institute of Technology

An Autonomous Institution under VTU

Department of Computer Science and Engineering

“Building Scalable Applications with Apache Cassandra”

Date: 3rd July 2024.

Time: 8.30 am to 4.30 pm

Hands on workshop on “**Building Scalable Applications with Cassandra**” was organized by Department of Computer science & Engineering, BNMIT in association with IEEE Computer Society, BNMIT SB on 3rd July 2024. The primary objective of the workshop was to familiarize students with Apache Cassandra, and just brief introduction to NoSQL database. The event under the coordination of Dr. Raghavendra C K, Professor and IEEE faculty advisor, Dr. Amith Shekhar C, Associate professor, Prof. Geetha L S, Assistant Professor witnessed the active participation from 208 students from the fourth semester of the CSE department. Mr. Maheswaran Govindraju, a Senior Developer & Corporate Trainer from Mysuru Trainer and Developers, Mr. Nithin Neelakanta Rao, Senior Trainer & Business Head, along with their team of two members, was invited as the resource person for the workshop.



The event moderated by Dr. Chayadevi M L, Professor and Head of CSE, drew a diverse audience of researchers, practitioners, and students eager to explore the synergies and advancements shaping modern analytics. The keynote address highlighted the transformative impact of data-driven decision-making across industries, emphasizing the critical role of Operations Research (OR) methodologies in optimizing complex systems. Speakers elucidated how OR techniques, such as optimization models and simulation, are increasingly integrated with Data Science tools like machine learning and big data analytics to tackle real-world challenges.



B. N. M. Institute of Technology

An Autonomous Institution under VTU

Department of Computer Science and Engineering

The evolving fields of Operations Research & Data Science

Date: 16th February 2024

Time: 2:00 pm to 4:00 pm

Venue: A215 Seminar Hall, Auditorium Block

Resource Person:

Dr. Amit Garg

B.Tech& M.Tech (IIT-Delhi),

Double Ph.D (Case Western Reserve University)

Founder & CEO ORMAE

The symposium on "The Evolving Fields of Operations Research & Data Science" in association with IEEE CS Student Chapter provided a comprehensive overview of the intersection between these two dynamic disciplines. Held at A215 on 16th Feb 2024, with the esteemed Resource person **Dr. Amith Garg**, a *Guinness world Record Holder*, Founder and CEO of Operations Research & Machine Analytics Experts (ORMAE).



B.N.M. Institute of Technology

An Autonomous Institution under VTU

Department of Computer Science and Engineering

In Association with

BNMIT IEEE Computer Society Student Chapter

Technical talk on “Lagrange Points and Aditya L1”

Event Date: 11/12/2023

Time: 11 am to 1.30 pm

Venue: A215 Seminar Hall, BNMIT.

Attendees: 7th Semester Students

Total Attendees: 160 (140 students + 20 Faculty)

The IEEE Student Chapter at BNMIT, in collaboration with the Department of Computer Science and Engineering, hosted a landmark event on 11/12/2023, featuring a distinguished speaker, Dr R Ranganath, FIE Honorary Adjunct Professor, NIAS, IISc Campus, Bengaluru, Ex. Project Director, Space Docking Experiment Project (SPADEX), U R Rao Satellite Centre, ISRO, DOS. The session, titled "Lagrange Points and Aditya L1," explored the cosmic intricacies of gravitational equilibrium and the groundbreaking Aditya L1 solar mission.



B.N.M. Institute of Technology

An Autonomous Institution under VTU

Department of Computer Science and Engineering

Inauguration of IEEE BNMIT Computer Society Chapter

Date: 22nd November 2023

Venue: A215 Seminar Hall, BNMIT.

Time: 9:00 am to 10:30 am

No of participants: 114

The BNMIT IEEE Computer Society Chapter witnessed a significant milestone in its academic and professional journey with the inauguration ceremony presided over by esteemed guests and dignitaries. The Chief Guest, Dr. T Srinivas, Chair-Elect of the IEEE Bangalore Section, and Professor at the Indian Institute of Science, Bangalore, along with Guest of Honor Dr. Abhishek Appaji, Vice Chair of the IEEE Computer Society and R&D Head at BMSCE, played pivotal roles in the ceremony. The Inauguration ceremony began warmly welcoming the esteemed guests, faculty members, and students. Prof. Kiran K N, Dept. of ECE, BNMIT, delivered the opening address, expressing gratitude for the presence of the distinguished guests and highlighting the significance of the IEEE BNMIT Computer Student Branch Chapter.

The ceremonial lighting of the lamp marked the official inauguration of the IEEE BNMIT Computer Society Chapter. Dr. T Srinivas, Dr. Abhishek Appaji, and other dignitaries from the BNMIT management were invited to unveil the chapter, signifying the institution's commitment to excellence in the field of computer science and technology.



Dr. T Srinivas, Chair-Elect of the IEEE Bangalore Section and a renowned professor at the Indian Institute of Science delivered an insightful keynote address regarding the upcoming events and opportunities for the upcoming year and how all can be part of it. Dr. Srinivas

emphasized the importance of student involvement in professional societies like IEEE, fostering a spirit of innovation and collaboration.

During the inauguration ceremony, Dr. Abhishek Appaji, Vice Chair of the IEEE Computer Society, shared his valuable experiences and insights. Emphasizing the significance of the IEEE Computer Society, recognized as the largest chapter in Bangalore, Dr.Appaji highlighted its mission to create an environment of learning, collaboration, and innovation. In his address, he underscored the society's commitment to providing a platform for computing professionals to convene and share knowledge. Dr. Appaji offered an overview of the society's impactful work, outlining various benefits and initiatives.

Notably, he discussed the calendar of events, drawing attention to the upcoming flagship occasion, the IEEE Bangalore Computer Science Week 2023, scheduled from November 30 to December 3. In addition, Dr. Appaji enlightened the audience about the various awards and scholarships available for students, fostering a culture of recognition and support within the



IEEE Computer Society. This emphasis on recognition and educational support further highlighted the society's commitment to nurturing and empowering the next generation of computing professionals. Dr. Appaji also stressed the global connectivity facilitated by IEEE and encouraged students to actively participate in the diverse programs and initiatives of the IEEE Computer Student Branch Chapter.

The event concluded with a vote of thanks delivered by Dr S Y Kulkarni, Additional Director of BNMIT, expressing gratitude to the distinguished guests, faculty members, and students for their active participation. The IEEE BNMIT Computer Society Student Branch Chapter was officially launched with a vision to facilitate knowledge exchange, professional development, and collaboration among students and professionals in the Computer Science domain.