

## REPORT ON COLLEGE ACTIVITIES – APRIL 2024.

**April 2, 2024**

- **Mr. Manjunath K N has participated in National workshop.**

Mr. Manjunath K N, Assistant Professor, Department of CSE (AIML) has participated in National workshop on “Low Power IoT Transceivers from System-to-Silicon” organized by Centre for Outreach and Digital Education, Indian Institute of Technology, Madras during 1<sup>st</sup> to 2<sup>nd</sup> April 2024.



**April 6, 2024**

- **Dr. Sanjeevkumar M Hatture, invited as Resource Person.**

Dr. Sanjeevkumar M Hatture, Professor & HOD, Department of ISE was invited as Resource Person for one day seminar on “Cyber Peace” (A Path towards a sustainable, stable and secure cyberspace) on 6<sup>th</sup> April 2024 organized by CHRIST University, Bangalore.



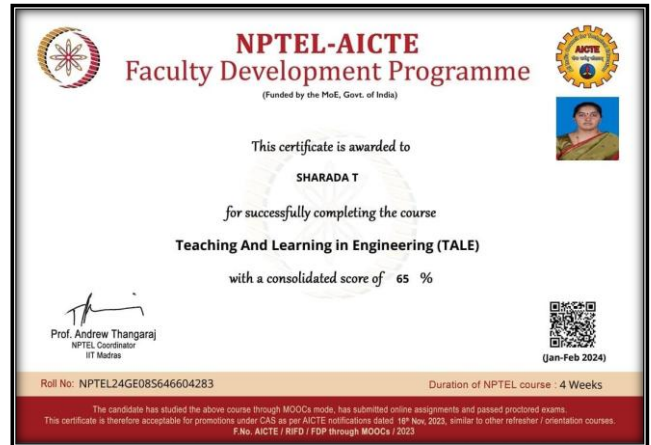
- **Dr. Rashmi P Karchi, invited as Resource Person.**

Dr. Rashmi P Karchi, Associate Professor, Department of CSE (AIML) was invited as Resource Person for one day seminar on “Natural Language Processing” on 6<sup>th</sup> April 2024 organized by CHRIST University, Bangalore.



- **Mrs. Sharada T, Head, Department of Physics completed NPTEL Course.**

Mrs. Sharada T, Head, Department of Physics has completed an NPTEL course on “Teaching and Learning in Engineering(TALE).



- **Mr. Balbir Singh, student of CSE(DS) has completed an online Course.**

Mr. Balbir Singh, 2<sup>nd</sup> semester student, Department of CSE (Data Science) has successfully completed online course on “Innovating with Data and Google cloud” on 6<sup>th</sup> April 2024 under the platform of SimplyLearn.



**April 11, 2024**

- **Dr. Yogeasha H C has completed an online course**

Dr. Yogeasha H C, Associate Director(IQAC) has completed an online course on “Basics of EDA with

Python and received certificate on 11<sup>th</sup> April 2024 under the platform of Great Learning.



## April 12, 2024

- Students of ECE Department have secured first place in Paper Presentation.

Ms. Deeksha K N(1NC21EC025), Ms. Sneha R(1NC21EC098) students of department of ECE have secured **First Prize** in paper presentation in LUNARA24' organized by Department of CSE, Bannari Amman Institute of Technology, Sathyamangala, Tamil Nadu during 12<sup>th</sup> and 13<sup>th</sup> April 2024.



- KSCST has sanctioned project grants for the academic year 2023-24.

Ten KSCST Project proposals were accepted for grants in 47<sup>th</sup> Series of Students Project Programme during the academic year 2023-24. ECE: 3 Projects, Civil: 2 Projects, AIML: 2 Projects and ISE: 3 Projects. The sanction letter was received on 17th April 2024.

KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY							
Indian Institute of Science Campus, Bengaluru - 560 012							
Website: www.kscst.org.in, www.kscst.karnataka.gov.in   E-Form: application@kscst.org   Tel: 080-2334 0840/0840							
47 <sup>th</sup> series of Student Project Programme (SPP): 2023-24							
List of Student Project Proposals Approved for Sponsorship							
Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)	AMOUNT SANCTIONED (Rs.)
300	47S_BE_2457	RAILWAY TRACK CRACK DETECTION SYSTEM	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. R. VIJAYANAND Dr. RASHMI P. KARCH	ML. RACHANA A., ML. VASUDEVA K. S., ML. PREETHA H.	5,000.00
301	47S_BE_5032	DETECTION OF SICKLE CELL ANEMIA USING DEEP LEARNING TECHNIQUES	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Prof. PRATHIBHA B. N. Dr. RASHMI P. KARCH	MR. KARTHIC SURESHVATHA P. MR. U. DURGA LOKESH MR. YASHAS C.	4,000.00
302	47S_BE_3088	EFFECTIVE UTILIZATION OF SEQUENTIA BATCH REACTOR SLUDGE AS SUSTAINABLE GREEN PLASTERING MATERIAL.	B.E.	CIVIL ENGINEERING	Mrs. VIDYASREE M. MR. VIDYASHEE M. G.	MR. VARUN R. B MR. CHETHAN H. M. MR. DHANUSH C.	3,000.00
303	47S_BE_3460	CONCRETE EVALUATION OF STEEL REINFORCEMENT EMBEDDED IN ALKALI ACTIVATED COMPOSITE SUBJECTED TO AGGRESSIVE ENVIRONMENT.	B.E.	CIVIL ENGINEERING	Dr. NAGARAJ V. K.	MR. JITHAN KUMAR BHARTI MR. S. SUBAS REDDY MR. KAPKA SHASHANK MR. ARJUN NARAYAN	3,000.00
304	47S_BE_3463	IMPLEMENTATION OF DUST CLEANING ROBOT	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. H. VENKATESH KUMAR	MR. AKASH KUMAR MR. ABHINAV K. M. MR. CHETHAN RANJ L. MR. N. HEMMA LATHA	5,000.00

KSCST: 47<sup>th</sup> Series of Student Project Programme (SPP): Sponsored Projects Page 282 of 387

## April 17, 2024

- Sri Ramanavami Celebrations.

Sri Ramanavami was celebrated on 17<sup>th</sup> April 2024 at the Main Block. Dr. S G Gopala Krishna, Director, NES and Dr. B V Ravishankar, Principal along with the Teaching and Non-Teaching Staff members graced the occasion.

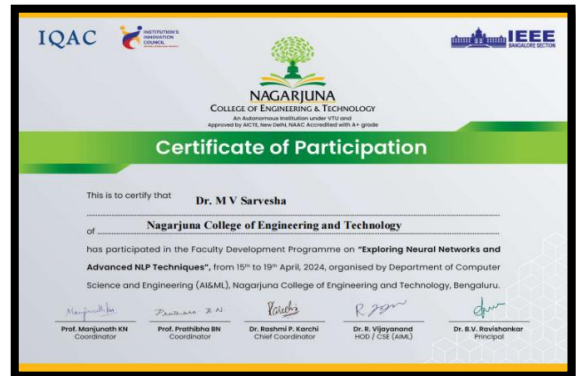


## April 19, 2024

- NCET faculty members have participated in Faculty Development Programme.

Dr. Parutagouda S Khangoudar, Professor, Department of CSE (Data Science), Mr. Praveen Raj, Assistant Professor, CSE, Mr. Subramanya V Odeyar, Mrs.

Tejaswini K M, Assistant Professors, Department of ISE, Dr. M V Sarvesha, Professor & HOD, and Ms. Vidyashree K, Assistant Professor, Department of Mathematics have participated in Faculty Development Programme on “Exploring Neural and Advanced NLP Techniques” organized by CSE (AI&ML), NCET during 15<sup>th</sup> to 19<sup>th</sup> April 2024.



• **Dr. Gopinath A R, Mr. Mohan D N, Mr. Subramanya V Odeyar, Mrs. Tejaswini K M, Ms. Vidyashree K, Mrs. Kavitha G, Mrs. Mala K K, and Mrs. Nirmitha B have completed National FDP.**

Dr. Gopinath A R, Associate Professor, Department of CSE, Mr. Mohan D N, Mr. Subramanya V Odeyar, Mrs. Thejaswini K M, Assistant Professors, Department of ISE, Ms. Vidyashree K, Mrs. Kavitha G, Mrs. Mala K K, and Mrs. Nirmitha B, Assistant Professors, Department of Mathematics have Participated in 10 Hours National Faculty Development Program on “GenAI and Prompt Engineering using Microsoft Copilot” organized by P B Siddhartha College of Arts & Science, Saraswati College of Engineering and CMR College of Engineering & Technology in Collaboration with ExcelR Edtech Pvt. Ltd. during 15<sup>th</sup> to 19<sup>th</sup> April 2024

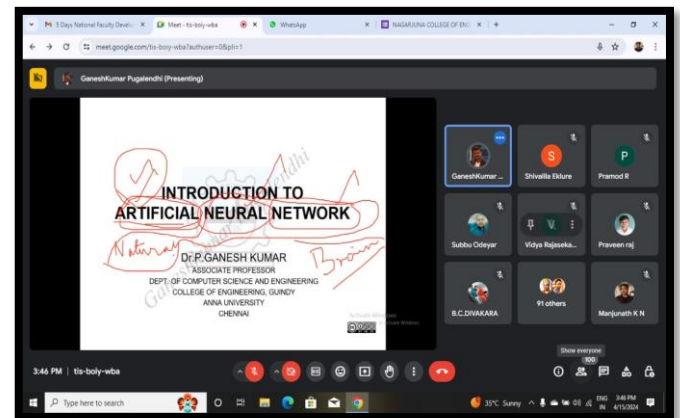




## April 20, 2024

### • Five days FDP on "Exploring Neural Network and Advanced NLP Techniques"

Department of CSE (AIML) has successfully organized Five days FDP on "Exploring Neural Network and Advanced NLP Techniques" from 15<sup>th</sup> to 19<sup>th</sup> April 2024. Dr. Rashmi P Karchi, Prof. Prathibha and Prof. Manjunath were the faculty coordinators.



### • Dr. Mahesh K K has delivered oral presentation in International Conference

Dr. Mahesh K K, Professor, Department of Physics has delivered an oral presentation on "XRD Peak Splitting during the R-Phase Transformation in Ni-Ti Alloys" at the iDEAAS 2024 International Conference at MAHSA University, Malaysia on 20<sup>th</sup> April 2024.



**• AICTE Activity Programme organized for AIML Students**

Department of AIML has organized AICTE Activity Programme for 8th semester students on Digitalization and Waste Management Activity at Kambalipura village on 20th April 2024. Faculty Coordinators are Dr. Rajani KC and Prof. Manjunath KN.



**• Mr. Manjunath K N has participated in International One week FDP.**

Mr. Manjunath K N, Assistant Professor, Department of CSE (AIML) has participated in International One week FDP on “Deep Learning Techniques for Social Media Analytics” held during 15<sup>th</sup> to 20<sup>th</sup> April 2024.



**April 21, 2024**

**• Dr. Ajaykumar Dwivedi has been recognized as Reviewer for International Conference.**

Dr. Ajaykumar Dwivedi, Dean(R&D) & Dr. Vivek Singh, Associate Professors Department of ECE have been participated as Program Committee Member and Reviewer for 4<sup>th</sup> International Conference on “Paradigms of communication, Computing and Data Analytics (PCCDA 2024) organized by Sri Dev Suman Uttarkhand University, Uttarkhand during 20<sup>th</sup> & 21<sup>st</sup> April, 2024.



**April 24, 2024**

**• Hands on Workshop on “Fundamentals of Patent Search & Draft”.**

On account of World Intellectual Property Rights Day, Institution’s Innovation Council, KAPILA and NCET-KSCST IP Cell in association with NCET IQAC organized **Hands on Workshop** for the faculty on “Fundamentals of Patent Search & Draft” by Dr. Sarasija Padmanabhan, DL- Tutor, World Intellectual Property Organization Advisory Member, PIC-KSCST, IISc on 24th April 2024.



**April 27, 2024**

**• Students have participated in State level Project Competition.**

Students Mr. Gaurav, Mr. Vikas, Mr. Kubra, Mr. Misba Khanum have participated in State Level Project Competition -2024 organized by Bangalore Institute of Technology, Bengaluru on 27<sup>th</sup> April 2024.



**• Faculty members and Students of Data Science department have presented paper in International Conference**

Mrs. Geetha M, Mr. L Lakshmaiah, Mrs. Nikila M R, Ms. Pooja Ahuja S, Mrs. Sushma B S, Assistant Professors, Mr. Harsha S N, Ms. Jawalkar Sunidhi, Mr. K Yeshwanth, students, Department of CSE(Data science) and Mr. Subramanya V Odeyar, Assistant Professor, Department of ISE have presented paper in International Conference on Adaptive Technologies for sustainable growth which was published in 9th edition of ICTACT journal organized by Paavai Engineering College, Namakkal during 27<sup>th</sup> April 2024.



Author Name	Title
Mr. L Lakshmaiah, Ms. Pooja Ahuja S, Mr. Harsha S N, Mr. K Yeshwanth	Review of the collaborative Machine Learning approaches in the design and implementation of network intrusion detection systems
Mrs. Geetha M, Mr. L Lakshmaiah, Mrs. Nikila M R, Mrs. Sushma B S	Prediction of rainfall rate through analysis of various parameters using Machine Learning
Ms. Jawalkar Sunidhi	Design and Implementation of intrusion detection system through collaborative Machine Learning.
Mr. L Lakshmaiah, Mr. Subramanya V Odeyar	Lung Disease Identification Based on Lung Sound and Chest X-ray using Deep Learning and Machine Learning Techniques.
Mrs. Sushma B S	Prediction of rainfall analysis through Machine Learning Technique.





### • Dr. Ajaykumar Dwivedi has been recognized as Reviewer for International Conference.

Dr. Ajaykumar Dwivedi, Dean(R&D) & Dr. Vivek Singh, Associate Professor, Department of ECE have been recognized as Reviewer for 3<sup>rd</sup> IEEE International Conference on “Distributed Computing and Electrical Circuits and Electronics (ICDCECE-2024) organized by IEEE SB Ballari Institute of Technology and Management, Ballari during 26<sup>th</sup> & 27<sup>th</sup> April, 2024.



April 30, 2024

**• Dr. Yogeesh H C, Dr. Syed Naimatullah Hussain, Dr. Gopinath A R, and Ms. Deepika N M Participated in the Five-Day National Webinar**

Dr. Yogeesh H C, Professor & HOD, Department of Mechanical Engineering, Dr. Syed Naimatullah Hussain, Professor & HOD, Department of CSE (Data Science), Dr. Gopinath A R, Associate Professor, Department of CSE, and Ms. Deepika N M, Assistant Professor, Department of Civil Engineering have Participated in the Five-Day National Webinar titled “Pathways to Discovery and Innovation: Nurturing Researchers for Tomorrow (PDINR-2024)” from 25<sup>th</sup> to 30<sup>th</sup> April 2024 Organized by Centre for Research Development and Promotion [PARISHODHANA] of Pithapur Rajah's Government College(A) Kakinada.



**• Dr. Ramesh S Wadawadagi has completed NPTEL Course**

Dr. Ramesh S Wadawadagi, Associate Professor, Department of ISE has completed NPTEL course on “Medical Image Analysis” during January-February 2024.



**• Ms. Vidyashree K and Mrs. Mala K K have completed NPTEL Course**

Ms. Vidyashree K and Mrs. Mala K K, Assistant professors, Department of Mathematics have completed NPTEL course on “Python for Data Science” during January-February 2024.

**• Mr. Ramesh Gowda V B has completed NPTEL Course**

Mr. Ramesh Gowda V B Assistant professor, Department of Mathematics has successfully completed online Master class on Autonomous Vehicle Design during 11<sup>th</sup> March to 31<sup>st</sup> March 2024 organized by Pantech e learning Pvt. Ltd.



**• Dr. Manjunath K has completed SWAYAM course.**

Dr. Manjunath K, Professor & HOD, Department of Chemistry has completed SWAYM course on “National Education Policy - 2020: Professional Development Programme” held from 1<sup>st</sup> to 31<sup>st</sup> March 2024 organized by Indira Gandhi National Open University.





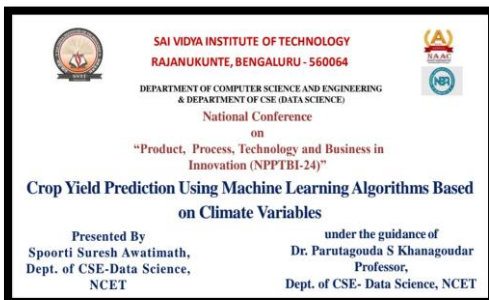
**• Dr. Parutagouda S Khangoudar has completed four week Technology Entrepreneurship Development Programme**

Dr. Parutagouda S Khangoudar, Professor, Department of CSE (Data Science), has completed four week Technology Entrepreneurship Development Programme on “IOT, Embedded Systems and AI from 4th to 29th March 2024 organized by NSTEDB, Department of Science and Technology, Govt of India.



**• Ms. Spoorti Suresh Awatimath, has presented a Journal Paper in National Conference.**

Ms. Spoorti Suresh Awatimath, final year student, Department of CSE (Data Science) has presented a technical paper titled “Crop Yield Prediction Using Machine Learning Algorithms Based on Climate Variables” in National Conference on “Product, Process, Technology and Business in Innovation (NPPTBI-24)” during 27<sup>th</sup> April 2024 organized by Sri Vidya Institute of Technology, Rajanukunte.



**• Mr. Subramanya V Odeyar has Participated in One week National FDP**

Mr. Subramanya V Odeyar, Assistant professor, Department of ISE has participated in one week National Faculty Development Program on “Addictive

Manufacturing Technology” organized by Sandip University, Nashik School of Engineering & Technology during 4<sup>th</sup> to 9<sup>th</sup> March 2024



**• Dr. H. Venkatesh Kumar has published a Journal Paper**

Dr. H. Venkatesh Kumar, Professor, Department of ECE and Mr. Yadu Prasad C (Ph.D Research Scholar) have Published an Emerging Source Citation Index(ESCI) article titled "Key Performance Indicators Optimization For Long Term Evolution Networks Using Machine Learning" Journal Name: Machine Intelligence Research, Indexed: ESCI/ Scopus/ Springer nature, Quartile: Q1, H- Index: 11

Link: <https://www.scopus.com/sourceid/21101072017>.

**• Mr. Mohamad Imtiyaz N has presented paper in International Conference**

Mr. Mohamad Imtiyaz N, Assistant Professor, Department of ISE have presented paper titled “Cyber security Threat Detection using Deep Learning and Anomaly Detection Techniques” in 2<sup>nd</sup> International Conference on Knowledge Engineering and Communication Systems” held at SJGIT, Chikkaballapura during 18<sup>th</sup> to 19<sup>th</sup> April 2024.



**• Dr. Ajaykumar Dwivedi and Dr. Vivek Singh have published a Journal paper**

Dr. Ajaykumar Dwivedi, Dean(R&D) & Dr. Vivek Singh, Associate Professor, Department of ECE have published an Journal Article titled “Design and Investigation of Compact Backed Mirror Two-Port MIMO Antenna for n257 (30 GHz) 5G Spectrum” in an SCIE Indexed Journal on 22nd January 2024. Journal Name: Journal of Infrared, Millimeter, and Terahertz

Waves, Springer with Impact Factor: 2.91, Quartile: Q2, H Index: 70.

Link: <https://link.springer.com/article/10.1007/s10762-024-00982-1>.

**• Dr. Nagesh, Dr. Ajaykumar Dwivedi and Dr. Vivek Singh have published a Journal paper**

Dr. Nagesh, Professor & HOD, Dr. Ajaykumar Dwivedi & Dr. Vivek Singh, Associate Professors, Department of ECE have published an Journal Article titled “Quad Port MIMO Circularly Polarized Antenna for n77/n78 5G Coverage with Spatial and Polarization Diversity” in an SCIE Journal “Wireless Personal Communications, Springer. with Impact Factor: 2.2, Quartile: Q2, H Index: 82

Link: <https://doi.org/10.1007/s11277-024-11089-0>

**• Ms. Vidyashree K has participated in FDP.**

Ms. Vidyashree K has participated in one week Faculty Development Program on “Data Visualization Using Tableau” organized by Mohan Babu University, Tirupati, Andhra Pradesh ExcelR Edtech Pvt. Ltd. during 1st to 5th April 2024.



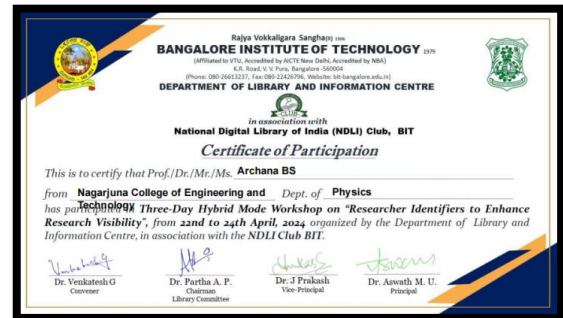
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**• Mrs. Archana B S has Participated in the Five-Day National Webinar**

Mrs. Archana B S, Assistant Professor, Department of Physics has participated in the Three Day Hybrid Mode Workshop on “Researcher Identifier to Enhance Research Visibility” from 22<sup>nd</sup> to 24<sup>th</sup> April 2024 Organized by Bangalore Institute of Technology.



**• Mr. Vijaykumar M Patil has got grant for Design Patent**

Mr. Vijaykumar M Patil, Assistant Professor, Department of Mechanical Engineering has got grant for Design Patent titled “AI Based Wind Turbine Blade Fault Analysis Device” on 17<sup>th</sup> April 2024. Design No- 6357992.

