JSS ACADEMY OF TECHNICAL EDUCATION, BANGALORE
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Staff Achievements:

2021-22

1. Dr Aravind H S, Dr.Prabhudev Jagadeesh and Pradeep H. K have been sanctioned a grant of Rs.10 lakhs for the project proposal titled "Ubiquitous Precision Crop Management Using Agricultural IoT and UAV" under VTU Research Grants Scheme - 2021 on 2/3/2022.

2. Mr. Pradeep H. K has been recognized as reviewer for the following premier Elsevier Journals: i. Agricultural Water Management - Elsevier Publisher, SCI & Q1 standard Journal (IF: 4.516). ii. Information Processing in Agriculture- Elsevier Publisher & Scopus Indexed

3. Dr.Prabhudev Jagadeesh, Coordinator and Dr Pradeep H K , Co-Cordinator have been sanctioned a grant of Rs 300000/- by AICTE Training and Learning Academy for the conduction of FDP on "Artificial Intelligence and Machine learning techniques for Precision Agriculture.

4. Dr Mallikarjunaswamy S and Dr Pavitra G S have been sanctioned a grant of Rs 72,500/- for conducting a seminar on NEP -2022, Impact on future Indian Education system sponsored by KSHEC , Govt of Karnataka .

5. Dr Naidila S received a grant of Rs 5000/- for the final year student project titled "Automatic Identification of helmetless motorcyclist by licence plate number recognition using traffic surveillance video "from KSCST.

6. Dr.Mallikarjuna P B and Mr Sreenatha M submitted a proposal titled "Intelligent based welding systems" to Indian Space Research Organization (ISRO) under the scheme ISRO-RESPOND-BASKET 2022 for an amount of Rs. 13, 27, 440/.

7. Dr.Mallikarjunaswamy S and Dr Pavitra G S submitted a proposal titled "An efficient Machine Learning algorithm for prediction and identification of faults in renewable energy based smart grid" to KSCST under the scheme Science Technology and Innovation for an amount of Rs 500000/-

8. Mr Pradeep H K filed a patent titled "Context less Grammar system for soil texture classification. AWARDS .

9. Mr Pradeep H K completed his Ph.D research work titled "Design a soft computing DECEL model to optimize . water usage in irrigation management under VTU.

10. Mrs Pavitra G S completed her Ph.D research work titled " Design and analysis of dynamic clustering protocols for improving energy efficiency in wireless sensor Networks" under VTU.

11. Mr Rohitaksha K completed his Ph.D research work titled " Efficient Approach to topology based Hybrid Software . Defined Networking" under VTU.

2020-21

1. Dr. Naidila Sadashiv has been awarded an amount of Rs. 5,00,000/- by Vision Group of Science and Technology under the Scheme Seed money to young scientists for research (SMYSR) towards the project " Cloud computing based rural and Mobile Health Care Systems"
2. Mr. Pradeep H K and Dr. Prabhudev Jagadeesh presented a paper titled " Irrigation practices and Soft Computing Applications : A review " in Statistics and Application Journal which is indexed in Web of Science.
3. Mr. Pradeep H K and Dr. Prabhudev Jagadeesh presented a paper titled " Soil Moisture based Automatics Irrigation Systems to improve Water Productivity " in Journal of Agrisearch published by society of upliftment of rural economy.
4. The soil texture classification software product developed by Mr. Pradeep H K got certified by ICAR-IISWC(Ministry of Agriculture, Government of India), Research center , Sunabeda, koraput, Odisha.
5. The research work by Mr. Pradeep H K titled " Intelligent models for soil and water management was short listed ad one of the top 300, in Agri India Hackathon 2021, organized by Pusa Krishi , Indian Agriculture Research Institute, Ministry of Agriculture and Farmers Welfare, Government of India.
6. Dr. Sneha Y S published a paper titled " Athena, Avid traveler using LSTM based RNN Architecture " in Journal of Engineering Science and technology.
7. Mrs. Shwetha Kaddi published a paper titled " Challenges and trends in clinical data analytics " I Journal of Science and Technology.

2019-20

1. Dr. Naveen has published paper titled " Prediction of Women Obesityusing a Naïve Bayes Algorithm" , Frame work for progressive segmentation of chest radiography for efficient disgnosis of inert regions.
2. Dr. Prabhudev Jagadeesh presented a paper titled " A collective study of data mining techniques for the big health data available from the Electronics Health Records" ICATIECE- 2019.
3. Dr. P B Mallikarjuna Published a paper titled " Selective harvesting of Tobacco Leaves : An approach based on the combination of filters and color models" in Springer Scopus publications.
4. Mrs. Pooja H presented a paper titled " A collective study of Data mining Technique for the big health data available from the Electronics Health Records" at ICATIECE – 2019.

5. Mr. Abhilash C B published a paper titled " A framework R for enhanicing the agriculture yield using cloud clusters" at ICATIECE – 2019.
6. Mr. Pradeep H K presented a paper titled " Irrigation system automation using FSM and ML Technologies" at ICICC 2019.
7. Mr. Rohitaksha K presented a paper titled " Headt decease prediction using CNN algorithm" at ICACI 2019 and Springer lecture notes analysis of POX and Ryu controllers using topology based hybrid SDN.
8. Mr. Manjunath B talawar presented a survey paper titled " Link failure detection in MANET".
9. Mr. Mahesh Kumar M R published a paper "An efficient disk scheduling algorithm using binary search tree " at IEEE ICAIT 2019.
10. Dr. Prabhudev Jagadeesh presented a paper titled "QoS routing based on available band width for Mobile Adhoc Network" in International Journal of Engineering and advanced technology.
11. Mr. Niranjan Kundur, Dr. P B Mallikarjuna and Mr. Sreenatha published a paper Titled " An Enhanced and Dynamic Crowd Estimation System " at ICTCS 2019.
12. Dr. Prabhudev Jagadeesh presented a paper titled "Passive Bandwidth Estimation Enabled Routing Protocol for Mobile Adhoc Network " at IJEAST 2019.

Student Achievements :

Students participate in various Technical events and Extracurricular activities organized by various Institutions at State/National level.

Participation in Inter-Institute events within State						
Sl No	Student	Dated	Name of event	Organizer	Place	Remarks
2021-22						
1	Mr. Ankit Kumar Upadhya	3/12/2022 – 10/12/2022	UNLEASH Global Innovation Lab- India 2022	UNLEASH sponsored by Govt. Of Karnataka	Infosys, Mysore	Full Funding for e-Ankuram for Rs.
2	Mr. Ankit Kumar Upadhya	27/09/2022 and 28/07/2022	Neuromatch Conference 2022	Neuromatch Conference 2022	Online-US	Director of Communication and Out Reach

Participation in Inter-Institute events within State					
3	Mr. Ankit Kumar Upadhya	25/8/ 2022	Harvard Project for Asian and International Relations Conference (HPAIR) 2022	HPAIR ASIA Conference India 2022	New Delhi	Delegate, Received 50% scholarship for HPAIR from organization and other 50%(INR 15000) covered by JSS Academy of Technical Education
3	Mr. Ankit Kumar Upadhya	29/7/2022	Deep Learning Fellow in the Neuromatch Academy 2022	Neuromatch Academy 2022	Online	Full scholarship of Rs.
4	Mr. Akshay Prakash	24/6/2022	Hackwell 4.0	JSSATEB in association with M/s Honeywell	Bengaluru	First Place Rs 75000/-
5	Mr. Abdulla Nihad	24/6/2022	Hackwell 4.0	JSSATEB in association with M/s Honeywell	Bengaluru	First Place Rs 75000/-
6	Mr. Nischal B K	24/6/2022	Hackwell 4.0	JSSATEB in association with M/s Honeywell.	Bengaluru	First Place Rs 75000/-
7	Mr. Arju B R	24/6/2022	Hackwell 4.0	JSSATEB in association with M/s Honeywell.	Bengaluru	First Place Rs 75000/-
8	Mr. Akshay Prakash	29/4/2022	Hackwell 3.0	JSSATEB in association with M/s Honeywell	Bengaluru	First Place
9	Mr. Abdulla Nihad	29/4/2022	Hackwell 3.0	JSSATEB in association with M/s Honeywell	Bengaluru	First Place
10	Mr. Nischal B K	29/4/2022	Hackwell 3.0	JSSATEB in association with M/s Honeywell.	Bengaluru	First Place

				Participation in Inter-Institute events within State			
11	Mr. Arju B R	29/4/2022	Hackwell 3.0	JSSATEB in association with M/s Honeywell.	Bengaluru	First Place
12	Abhilasha M	25/04/2022	45 th SERIES OF STUDENT PROJECT PROGRAMME	KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY	Bengaluru	Sponsorship – Rs. 5,000 awarded
13	Anu Prabhakar	25/04/2022	45 th SERIES OF STUDENT PROJECT PROGRAMME	KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY	Bengaluru	Sponsorship – Rs. 5,000 awarded
14	Chaithanya S Heblikar	25/04/2022	45 th SERIES OF STUDENT PROJECT PROGRAMME	KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY	Bengaluru	Sponsorship – Rs. 5,000 awarded
15	Vaishnavi Upadhya H	25/04/2022	45 th SERIES OF STUDENT PROJECT PROGRAMME	KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY	Bengaluru	Sponsorship – Rs. 5,000 awarded
16	Ankit Kumar Upadhya	9/12/2021	IBM Education Innovation Case Competition 2021	Call for Code, IBM	US, Online	Participated
17	Varun Atherya	21/12/2021	CICADA, Hackathon	Atria Institute Of Technology	Bengaluru	First Place
18	Sandeep	21/12/2021	CICADA, Hackathon	Atria Institute Of Technology	Bengaluru	First Place
19	Shithin	21/12/2021	CICADA, Hackathon	Atria Institute Of Technology	Bengaluru	First Place
20	Sagar	21/12/2021	CICADA, Hackathon	Atria Institute Of Technology	Bengaluru	First Place
21	Varun Atherya	26/11/2021 and 27/11/2021	Optimize Prime, National Level Annual Technical Symposium Phase Shift,	BMSCE, Bengaluru	Bengaluru	Second Place
22	Sandeep	26/11/2021 and 27/11/2021	Optimize Prime, National Level Annual Technical Symposium Phase Shift,	BMSCE, Bengaluru	Bengaluru	Second Place

			Participation in Inter-Institute events within State			
23	Hareesh Naik	03/12/2021	Online Quiz on Competition law	Atria Institute Of Technology	Atria Institute Of Technology	Participated
24	Kunal B Yellurkar	11/11/2021	Round 1B of Global Programming Competition,	SnackDown, Unacedemy	Online	Participated
25	Hareesh Naik	06/11/2021	Qualifier Round of Global Programming Competition,	SnackDown, Unacedemy	Online	Participated
			2020-21			
1	Nikita Sharma	20/12/2020	Hack with CW hackathon and got qualified to the finals	Code Warriors	Online	Into Finals
2	Narayanaraj G	7/11/2020 and 8/11/2020	CodeFury 3.0	IEEE UVCE Computer Society,	Bengaluru	Participated
3	Mohammed Ayaan	20/10/20 to 24/10/20	Microsoft AI Classroom Series	Microsoft and NASSCOM	Bengaluru	Participated
			2019-20			
1	J Soumya	7/7/2020	Mini Engineering Project TECHFEST	Katalyst-BMS College of Engineering	Bengaluru, Karnataka	Second Place
2	Nihara S K	7/7/2020	Mini Engineering Project TECHFEST	Katalyst-BMS College of Engineering	Bengaluru, Karnataka	Second Place
3	Rachana V Kulkarni	7/7/2020	Techno Freaks Online Technical Quiz	Angadi Institute of Technology and Management	Belagavi, Karnataka	Second place
4	Shantanu Salimath	7/7/2020	Techno Freaks Online Technical Quiz	Angadi Institute of Technology and Management	Belagavi, Karnataka	Third Place
5	Anaghashree Nanda	23-06-2020	English quiz,	Atria Institute Of Technology	Bengaluru	Participated
6	Mohammed Ayaan	01/02/20 to 02/02/20	AI & ML Workshop	IISc, Bengaluru	Bengaluru	Participated
7	Mohammed Ayaan	30/1/2020-31/1/2020	Ethical Hacking Workshop	IISc, Bengaluru	Bengaluru	Participated
8	Sireesha G	14/09/2019 and 15/09/2019	Data science workshop	BMSCE	Bengaluru	Participated

Participation in Inter-Institute events within State					
9	Kunal B Yellurkar	14/09/2019 and 15/09/2019	Game Development workshop,	BMS College of engineering Bangalore, karanataka	Bengaluru	Participated
10	Shruthi K P	14/09/ 2019	Phase shift, karnataka,	BMSCE	Bengaluru	Participated
11	Nishant Barnwal	27/09/2019 - 29/09/2019	HACKIT-ON 3.0,	CMR Institute Of Technology,	Bengaluru	Participated
12	Nayonika Singh	14/9/2019	Data science workshop , Phase shift, karnataka,	BMSCE	Bengaluru	Participated

Students Participation in Inter-State Events – Outside State

Sl.NO	Student Name	Name of the Event	Date	Organizer	Remarks
2021-22					
1	Ankit Kumar Upadhya	Summer School by Cambridge Center for AI in Medicine	Sep 5, 2022 till Sep 9, 2022	Online, University of Cambridge, United Kingdom	Won full scholarship of 100 pounds(Student Category) for Cambridge Centre for AI in Medicine
2	Praveen Kumar C 3rd sem	Coding Competitions Kick Start	22/5/2022	Google	7642 place, Online
3	Chaithanya S Heblikar	Uber HackTag 2.0	4/5/2022	Uber Technologies Inc.	$10,000 per year Scholarship for Masters in CS from Northern Arizona University
4	ISHA K M	21 Days #Writeathon Writing Challenge	26/4/2022	BookLeaf Publishing	Delhi , Participated
5	Kavana RC	2nd annual online quiz on COMPUTER SCIENCE AND IT SKILLS	29/08/2021	JSSATE NOIDA	NOIDA, Qualified-Online

Sl.NO	Student Name	Name of the Event	Date	Organizer	Remarks
6	Kaduru Lohitha	2nd annual online quiz on COMPUTER SCIENCE AND IT SKILLS	29/08/2021	JSSATE NOIDA	NOIDA, Qualified-Online
7	S Bhavith	2nd annual online quiz on COMPUTER SCIENCE AND IT SKILLS	29/08/2021	JSSATE NOIDA	NOIDA, Qualified-Online
8	Akash H	2nd annual online quiz on COMPUTER SCIENCE AND IT SKILLS	29/08/2021	JSSATE NOIDA	NOIDA, Qualified-Online
6 center **2020-21**						
9	Ankit Kumar Upadhya	International Youth Math Challenge	20/12/2021	Fabian SchneiderW	Third Prize, Germany-Online
10	Ankit Kumar Upadhya	India International Science Festival 2021	8/12/2021	India International Science Festival 2021	Top 5 rank in edutech category , Goa
11	Harshavardhan Bhaskar	Ingenuity Competition	June 2021	NTTF	Malappuram
12	Rishabh Rai	Participated in Competitive Programming	8/11/2020	SRM NCR Campus	Modinagar Ghaziabad, Uttar Pradesh
6 center **2019-20**						
14	Ankit Kumar Upadhya	"I", "You" and "We"	17/6/2020	New Delhi Times	Invited
15	Ankit Kumar Upadhya	Queen's Commonwealth Essay Competition	28/11/2019	Queen's Commonwealth Essay Competition	Silver Award, Online, London
16	Bindushree R 1JS17CS025	Paid internship on Penetrating Testing	16/10/2019	Uni Campus	Mumbai
17	Prachi Sabarad 1JS17CS070	Paid internship on Penetrating Testing	16/10/2019	Uni Campus	Mumbai
18	Harshith R Shekar 1JS17CS039	Paid internship on Penetrating Testing	16/10/2019	Uni Campus	Mumbai

List of Student Publications

Sl. No	Students Name	Date of publication	Title of the Paper published	Title of Journal/Conferences	Publisher
2021-22					
1	Sanjana R K, Vismitha N V	08/8/2021	Intersection of AI and Blockchain Technology:Concerns and Prospects	International Conference on Deep Learning, Big Data and Blockchain	Springer, Cham.
2020-21					
2	Yash Gupta, A. Shrivastava, K. Kunal	27/1/2021	Survey Paper on Blockchain Based Cloud Computing Applications	International Conference on Computer Communication and Informatics (ICCCI)	IEEE
3	Ankur Garg, A Kumar, A Verma, C Adhikari	11/1/2021	An artificial intelligence based approach for increasing agricultural yield	Indian Journal of Science and Technology	Indian Society for Education and Environment
4	Pranav Vatsa.	28/6/2021	An approach to mitigate Cyberbullying	Preprint-Authorea	Authorea
5	Jahnavi Kiran	1/3/2021	Artificial Intelligence -A Silver Linig for People with Disabilities	Seventh national conference on Advancements in Information Technology and the paper, CiiT International Journal	
6	Sarikya S.M, Shraddha V. Prasad, Sneha P.R	1/9/2020	Personality Predictor System using Machine Learning Model	Journal of Web Development and Web Designing	Matjournals
7	Aishwarya Damodaran, Amulya, Aruna M B	1/9/2020	Detection of Credit Card Attackers using Machine Learning	Journal of Web Development and Web Designing	Matjournals
2019-20					
8	Anirudh G, Narayan Raj, Anirudh Kiran	1/7/2020	Food Crisis- How Artificial Intelligence and Machine learning Are Solving humanities Greatest Challenge—A Review	Journal of Computational and the theoretical nanosciences,	American Scientific Publishers

Sl. No	Students Name	Date of publication	Title of the Paper published	Title of Journal/Conferences	Publisher
9	A Akhil, Akash Raj Khettry, Digvijay Patil	1/4/2020	Athena An Avid Traveller Using LSTM Based RNN Architecture	Journal of Engineering Science and Technology,	Taylor's University
10	Diren Sambyal 1JS17CS032	Nov-Dec 2019	Review on Security Issues,Basic-Advance Series,Kinds of Encryption and introduction to Implementaion of Electronic Mail	International Journal of Trend in Research and Development, Vol. 6, No.6, 2019	IJTRD
11	Anamika Anand 1JS17CS011 Ayush Raj Choudhary 1JS17CS023	Nov-Dec 2019	Review on Security Issues,Basic-Advance Series,Kinds of Encryption and introduction to Implementaion of Electronic Mail	International Journal of Trend in Research and Development, Vol. 6, No.6, 2019	IJTRD
12	Narayan Raj 1JS17CS033 Anirudh Kiran 1JS17CS015	25/10/2019 and 26/10/2019	FoodCrisis- How Artificial Intelligence and Machine Learning are solving humanity's greatest challenge- a review	International conference on Recent Innovative Trends in Computer Science and Applications at Ramaiah Institute of Technology.	
13	Varun Kumar 1JS15CS115 Umesh D 1JS15CS111 Viren Viraj 1JS15CS122 Vinay Karanth 1JS15CS119	18/07/2019 and 19/07/2019	Heart disease prediction using CNN algorithm	International Conference on Adaptive Computational Intelligence ICACI, Mysuru	Springer

STUDENT HIGHLIGHTS

1. Mr Govardhan K C (USN- 1JS18CS054) got placed in M/s. Amazon with the highest package Rs. 45 Lakhs, 2021-22.

2. Mr Aashish Bharadwaj (USN: 1JS18CS001) received a highest paid internship for an amount of Rs 90000/- at M/s. Nutanix, 2021-22.

3. Mr Sanjay N T (USN 1JS18CS139) and Ms Greeta Pearl (USN 1JS18CS055) have been recognized for the award of BE Honors under VTU, 2021-22.