



Malnad College Of Engineering



An autonomous Institution affiliated to VTU, Belagavi

DEPT. OF INFORMATION SCIENCE AND
ENGINEERING

The ISEA Newsletter



Editorial Board:

Sudarshan M.G - 6th Semester

Arjun H.L - 6th Semester

Mrs. Sindhu K.S. - Asst. Prof

Mrs. Shruthi D.V. - Asst. Prof

Academic Year: 2022-23
October '22 - March'23

Vision of the Department

The department will be a premier center focusing on knowledge dissemination and generation to address the emerging needs of information technology in diverse fields

Mission of the Department

1. To make students competent to contribute towards the development of IT field
2. Promote learning and practice of latest tools and technologies among students and prepare them for diverse career options
3. Collaborate with industry and institutes of higher learning for Research and Development, innovations and continuing education
4. Developing capacity of teachers in terms of their teaching and research abilities
5. Develop software applications to solve engineering and societal problems

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

Graduates will:

PEO1: be successful professionals in IT industry with good design, coding and testing skills, capable of assimilating new information and solve new problems

PEO2: communicate proficiently and collaborate successfully with peers, colleagues and organizations

PEO3: be ethical and responsible members of the computing profession and society

PEO4: acquire necessary skills for research, higher studies, entrepreneurship and continued learning to adopt and create new applications

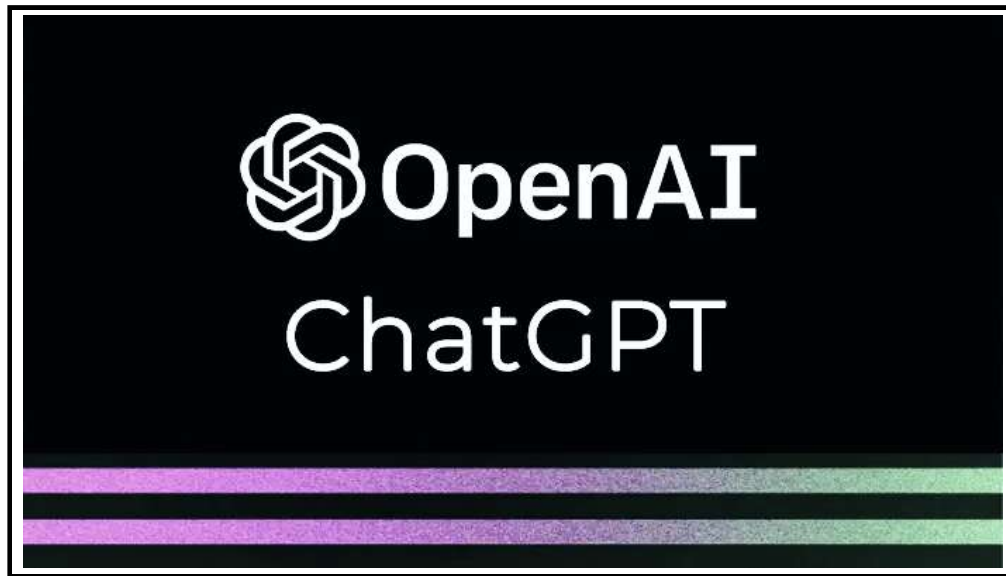
PROGRAM SPECIFIC OBJECTIVES (PSOs)

PSO1: Design and develop efficient information systems for organizational needs

PSO2: Ability to adopt software engineering principles and work with various standards of computing systems

Introducing ChatGPT: The AI Language Model Revolutionizing Communication

- P.S. Amrutha Lakshmi, 6th Sem



ChatGPT is an AI language model developed by OpenAI that has been designed to improve communication and interaction between humans and machines. Using the GPT-3 architecture and trained on vast amounts of data, ChatGPT is capable of generating human-like responses to text prompts, allowing for more natural and efficient communication.

One of the key features of ChatGPT is its ability to understand natural language. This enables it to comprehend the nuances and complexities of human speech, making it an ideal tool for a range of applications, from chatbots and virtual assistants to language translation and text prediction. As a result, ChatGPT has the potential to revolutionize the way we interact with technology.

ChatGPT is also a valuable tool for businesses, as it can streamline customer service and support by improving response times and overall customer satisfaction. Chatbots powered by ChatGPT can provide customers with quick and accurate responses, freeing up customer service agents to handle more complex issues.

Overall, ChatGPT is an exciting development in the field of AI language models, with the potential to transform the way we communicate with machines. As technology continues to advance, it will be fascinating to see how ChatGPT and other AI language models develop and evolve to improve communication and streamline processes in a variety of industries.

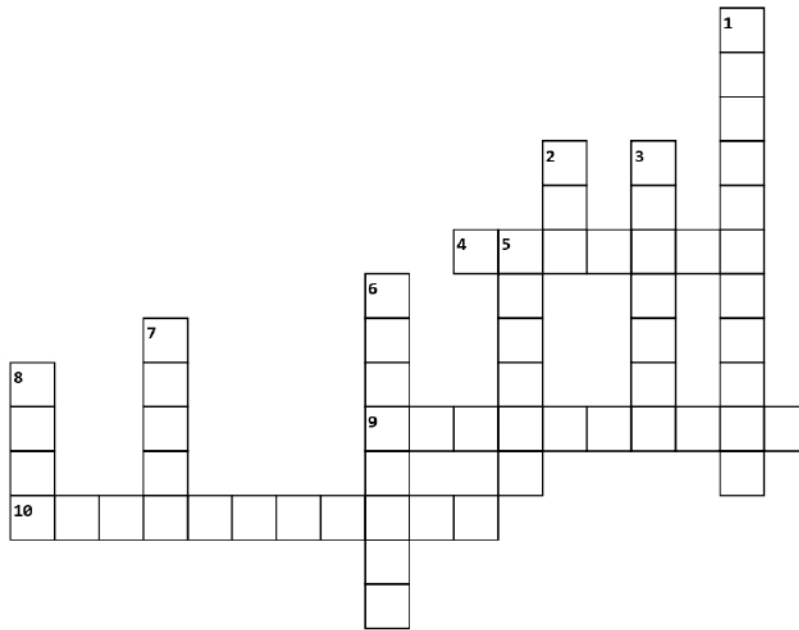
Computer Vision

- Dharanesh C , 6th Sem



Computer vision is a fascinating branch of artificial intelligence that seeks to equip computers with the ability to interpret and comprehend the visual environment. Its practical use is widespread and ranges from healthcare to manufacturing, and it is revolutionizing the way we interact with machines. Essentially, computer vision involves applying algorithms to images and videos to extract meaningful information such as object identification, pattern recognition, and anomaly detection. The challenge lies in developing algorithms that can accurately recognize objects, track them over time and identify defects. Computer vision is also useful in medical imaging to diagnose subtle conditions, and in augmented reality, it plays a vital role in creating realistic digital overlays. As machine learning advances and vast data sets become available, computer vision will continue to grow in power and usefulness in the coming years.

CROSSWORD



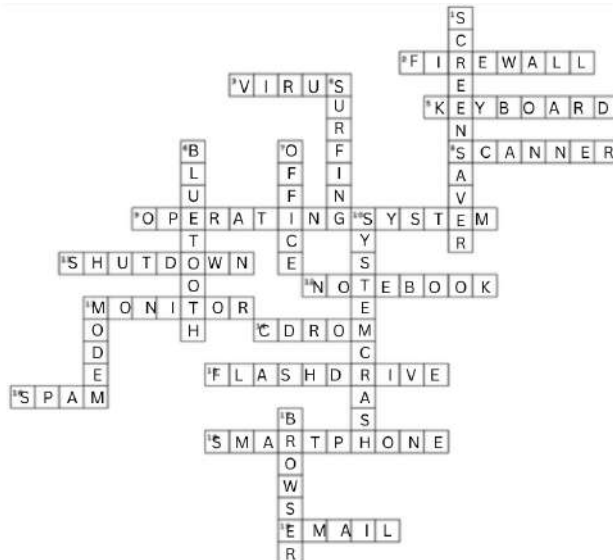
Across

- 4. term used to describe software that is designed to harm or disrupt computer systems
- 9. Process of converting data into a coded language to prevent unauthorized access
- 10. The main circuit board of a computer

Down

- 1. Process of removing unnecessary data from a file to reduce its size.
- 2. Abbreviation for the type of internet connection that uses a phone line and allows voice and data transmission simultaneously.
- 3. Technology that allows a computer to mimic human conversation through text or voice interactions.
- 5. Software program that displays advertising on a computer, often without the user's consent.
- 6. Program or device that blocks unauthorized access to a network or computer system
- 7. Type of computer memory that retains its data even when the power is turned off
- 8. Type of malicious software that can replicate itself and spread to other computers on a network.

Previous Crossword Answers:



PLACEMENT DETAILS OCTOBER 2022 - MARCH 2023

Student Name	Company Name
Chinmayi S	Toshiba
Likhith B A	Tata Elxsi
Ruthvik K	Toshiba
Rajat Ravindra Koorse	Tata Elxsi
Aniruddha G A	Yokogawa
Anushree R	Spurtree Technologies
Pragathi R	Spurtree Technologies

FACULTY ACHIEVEMENTS

**Mrs. Vinutha M R completed
Ph.D defense viva on 06/04/23**



ASSOCIATION ACTIVITY

SI NO	Date	Name of Resource person	Title	Photos	
1	21-10-2022	Mr. Saurav Dash Data Analyst Johneslang Lasalle Pvt. Ltd Bangalore	Talk on Carrier Path and Opportunities for a Data Analyst		
2	31-10-2022 to 19-11-2022	Ms. Sanjana Mr. Santhosh Mr.Chandra J V Global Services	Summer Internship-I		
3	19-11-2022	Mr. Basavadarshan G N Program Manager, UiPath Academic Alliance (India & South Asia) Mr. Navjot Singh Bhatia Mercedes Benz Research and Development India	Webinar on "RPA Industrial overview"		
4	21-11-2022	Ms. Ananya Anand Pursuing Masters in Data Science, Western Michigan University	Webinar on "Scope for Data Science"		

ASSOCIATION ACTIVITY

5	28-11-2022	HoD, Faculty and Final Year Students preceded the program	Orientation for 2022 Admitted Students	 <p>Hassan, Karnataka, India 24F2+3RQ, Rangoli Halla, Hassan, Karnataka 573201, India Lat 13.022758° Long 76.102053° 28/11/22 03:02 PM GMT +05:30</p>	 <p>Hassan, Karnataka, India 24F2+3RQ, Rangoli Halla, Hassan, Karnataka 573201, India Lat 13.022758° Long 76.102053° 28/11/22 02:53 PM GMT +05:30</p>
6	29-11-22	Conveners: Ms. Vinutha M R Mr. Chandrashekar H S	Annual Parents Meet -2022	 <p>Hassan, Karnataka, India 24C3+VGQ, Rangoli Halla, Hassan, Karnataka 573201, India Lat 13.022194° Long 76.103823° 29/11/22 03:46 PM GMT +05:30</p>	 <p>Hassan, Karnataka, India 24C3+VGQ, Rangoli Halla, Hassan, Karnataka 573201, India Lat 13.022195° Long 76.103791° 29/11/22 03:44 PM GMT +05:30</p>
7	03/12/2022	Mr. Kiran C M Senior Software Engineer, Nagra Vision	Tech-Talk on Web Technology from Industry Prospective	 <p>WEB TECHNOLOGY FROM INDUSTRY PROSPECTIVE Kiran C M Senior software engg. Nagra Vision WORKSHOP DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING Coordinator : Mrs Shruti D V</p>	
8	13/12/2022	Dr. Raviprakash R Salagame, Consulting Partner at Autobotik Singapore	Webinar on "Application of Data Science and Analytics in Engineering"	 <p>Malnad College Of Engineering Department Of Information Science & Engineering Presents Webinar on APPLICATION OF DATA SCIENCE AND ANALYTICS IN ENGINEERING Raviprakash R Salagame Consulting Partner at Autobotik, Singapore and Strategic Adviser at Intuceo, Bangalore Promoter and Board Member, IUCEE Foundation 13 December 2022 11 AM to 02 PM Platform: Microsoft Teams Open to All Program co-ordinator: Dr. Sakthi Pragasam S T, B.T., M.Tech, Hassan Program Co-ordinator: Dr. Chanchukula, Prof. of IT, JSSAEC, Hassan</p>	 <p>Hassan, Karnataka, India 24C3+VGQ, Rangoli Halla, Hassan, Karnataka 573201, India Lat 13.022042° Long 76.103782° 13/12/22 11:30 AM GMT +05:30</p>

ASSOCIATION ACTIVITY

9	14/12/22	HoD and Faculty members	Orientation and Inauguration of 5days workshop on “Enhancing Programming skills”		
10	13/01/2023 to 16/01/2023	Dr. Rekha P M Professor & Head Dept. of Information Science and Engineering JSSATE, Bangalore	Practical Introduction to Cryptography and Cryptanalysis Scope Technology		
11	31/01/2023	Dr. Yogish H K Professor, Dept. of ISE MS Ramaiah Institute of Technology, Bangalore.	Talk on “UNIX and Shell Programming”		
12	31/01/2023	Dr Manjuanth Professor Dept. of CSE BMS College of Engineering	Talk on “Placement and Training”		

FACULTY PUBLICATIONS

2022-2023 (International Conferences)

1. J Anand Babu, H P Neha, Kushala S Babu, Rishal Nishma Pinto," Secure Data Retrieval System using Biometric Identification". IEEE International Conference on Data Science and Information System (ICDSIS), DOI: 10.1109/ICDSIS55133.2022.9915968, Malnad College of Engineering, Hassan, 14 October 2022

2. J Ananda Babu, K S Keerthi, R M Tejonidhi, S Sangeetha, R. Kumar," Eye Blink to Speech Conversion for Paralyzed (MND) Patients Using ML Based Algorithm". IEEE International Conference on Data Science and Information System (ICDSIS), DOI: 10.1109/ICDSIS55133.2022.9915805, Malnad College of Engineering, Hassan, 14 October 2022.

3. Vinay Kumar V N, J Ananda Babu, "Satellite Image Classification based on Adaptive Skip Connection - Convolutional Neural Network". IEEE International Conference on Data Science and Information System (ICDSIS), DOI: 10.1109/ICDSIS55133.2022.9915974, Malnad College of Engineering, Hassan, 14 October 2022.

4. E Naresh, J Ananda Babu, M R Tejonidhi, K S Keerthi," Predicting the Stock Price Using Natural Language Processing and Random Forest Regressor". IEEE International Conference on Data Science and Information System (ICDSIS), DOI: 10.1109/ICDSIS55133.2022.9915940, Malnad College of Engineering, Hassan, 14 October 2022.

5. E Naresh, J Ananda Babu, M R Tejonidhi, K S Keerthi," Trend Detection in Stock Prices using Ensemble Methods". IEEE International Conference on Data Science and Information System (ICDSIS), DOI: 10.1109/ICDSIS55133.2022.9915848, Malnad College of Engineering, Hassan, 14 October 2022.

FACULTY PUBLICATIONS

2022-2023 (International Journal)

1. Vinutha M.R, Dr. Chandrika. J, " Applying Ensemble Techniques for the Prediction of Alcoholic Liver Cirrhosis. Lecture Notes in Networks and Systems" (Springer LNNS, volume 462) Data Science and Security Proceedings of IDSCS 2022 DOI: 10.1007/978-981-19-2211-4_39pp 433-445 <https://link.springer.com/book/10.1007/978-981-19-2211-4>. 2-7-2022 (Q4)
2. Thirthe Gowda M T, Chandrika J, Hybrid texture and gradient modeling for dynamic background subtraction identification system using 5G data service. Computer Assisted Methods in Engineering and Science, Scopus indexed, Print ISSN: 2299-3649, DOI: <http://dx.doi.org/10.24423/comes.455>. Sept 2, 2022 (Q3)
3. Chandrika J, Machine Learning Techniques to Combat Security Threats in Social Internet of Things. Advances in SloT", Taylor & Francis-CRC Edited Book. July 2022
4. Mohan Naik Ramachandra, Madala Srinivasa Rao, Wen Cheng Lai, Bidare Divakarachari Parameshachari, Jayachandra Ananda Babu "An Efficient and Secure Big Data Storage in Cloud Environment by Using Triple Data Encryption Standard", Big Data and Cognitive Computing Journal. 2022, 6(4), 101; <https://doi.org/10.3390/bdcc6040101>, 26 September 2022 SCI(Q1).
5. Pradeep v, Anand babu J, "HANDS-FREE COMPUTING FOR DISABLED PEOPLE USING COMPUTER VISION" JOURNAL OF NORTHEASTERN UNIVERSITY, ISSN: 1005-3026, Volume 25 Issue 04, November-2022(Q4)
6. Pradeep v, Anand babu J, " REAL-TIME NEURAL NETWORK BASED PREDICTION IN HANDS-FREE COMPUTING" advanced engineering science, ISSN: 2096-3246 Volume 54, Issue 02, November 2022 (Q3)

STUDENT INTERNSHIPS

#	Name	USN	Company Name	Duration of the Internship	Stipend Per month.
1	Aisiri Raj	4MC19IS002	Mercedes Benz Research and Development	6 months	30,000
2	Ashutosh	4MC19IS013	TEJAS NETWORKS	6 months	30,000
3	Chandana H R	4MC19IS014	Evertz India Private Limited	6 months	15,000
4	Chinmayi S	4MC19IS016	TOSHIBA	6 months	40,000
5	Ruthvik K	4MC19IS046	TOSHIBA	5 months	40,000
6	Tejas KR	4MC19IS058	TCS	3 months	15,000
7	Tribhuvan HG	4MC19IS059	Mercedes Benz Research and Development India	5 months	30,000
8	Likhith B B	4MC20IS401	Aish Softwares	6 months	10,000
9	Nithish Sagar D	4MC20IS032	The Capital Chip	4 months	18,000

STUDENT PUBLICATIONS

#	Student Name	Publications Details	
1	Kavya H P MADEEHA Iram Shashank BV Yuktha N	Smart Volting system using biometrics	IJIRCCE volume 11Jan 2023
2	Afrin Anushree R Pragathi R Sanjana H j	Hand written text Recognition	IRJMETS, volume_ 5 Issue : Jan 2023
3	Likhith B A, Kruthik C. K,MSanvitha H S, Hemashree R L,	Analysis on Malware Families Classification and Detection using Machine Learning	International Research Journal of Modernization in Engineering Technology and Science, Volume:05 Issue:01 Jan-2023.
4	Samhitha K S Subhash K A Reeshu Ranjan Rajat Koorse	Machine Learning Techniques on Road Accident Prediction and classification	IRJMETS ,Volume 05 ,Issue 01 ,Jan 2023
5	Mallikarjun k Manjunath G M Amith J p Dhanush S B	Accident Detection Based on the Internet of Things	IJRSEM ,volume 06 ,issue 12 December 2022

STUDENTS' ACHIEVEMENTS

Student Name	Prize	Event	Place
Trupthi C.M	Third	4 x 100 m relay	MalnadSports and Athletic meet , MCE Hassan.
Sathvik Rao	First	Paper Presentation.	Prastuthi , MCE Hassan.
B. Ashish Karagond	Second	Shuttle Badminton	VTU central Karnataka Zone Event Tournament , MCE Hassan.
Himavanth A Bhat	Second	Battle of Bands	Envision 2k23 , Srinivasa Institute of Technology , Managluru.
Chinmayi K.N	Second	Throwball (w)	VTU central Karnataka Zone Event Tournament, Kalpataru Institute of Technology, Tiptur.
Sathvik R Bharadwaj	Second	Battle of Bands	Envision 2k23 , Srinivasa Institute of Technology , Managluru.
Yashaswini H P	Second	Throwball (w)	VTU central Karnataka Zone Event Tournament, Kalpataru Institute of Technology, Tiptur

STUDENTS' ACHIEVEMENTS

WINNERS OF AROHANA FLASHMOB



WINNERS OF ADZSPIZE PRAGYATHA'22

