Introduction

- The International Conference on Cognitive Computing and Artificial Intelligence ICCCAI-2024.

  Associated institutions: Taylor's University, Malaysia, and Sathyabama Institute of Science and Technology, India.

- Dates and venue: March 7–8, 2024, at Sathyabama Institute of Science and Technology, Chennai, India.

  The International Conference on Cognitive Computing and Artificial Intelligence (ICCCAI-2024) aims to serve as a premier platform for researchers, academicians, and industry experts to explore and discuss advancements in Cognitive Computing and Artificial Intelligence. By bringing together thought leaders and innovators from diverse fields, the conference fosters interdisciplinary collaboration and the exchange of groundbreaking ideas.

  The significance of ICCCAI-2024 lies in its ability to address pressing challenges and showcase cutting-edge research in AI, machine learning, and cognitive systems. It promotes innovation by connecting theoretical frameworks with real-world applications, thus contributing to the evolution of intelligent systems that impact industries like healthcare, education, and automation.

  This event plays a vital role in bridging the gap between academic research and industrial practice, encouraging the development of AI technologies that are ethical, efficient, and transformative.

Sathyabama Institute of Science and Technology, India.

Sathyabama is a prestigious institution which excels in the fields of Engineering, Science and Technology for more than three successful decades. It offers multi-disciplinary academic programmes in various fields of Engineering, Science, Technology, law, Dental Science, Pharmacy, Nursing, Management, Arts and Science and Allied Health Sciences. It is established under Sec.3 of UGC Act, 1956 and is been Accredited with 'A++' Grade by the National Accreditation and Assessment council. The Institution persistently seeks and adopts innovative methods to improve the quality of higher education and is responsive to the changes taking place in the field of education on a global scale. The Institution has a team of dynamic and outstanding faculty, innovative pedagogical practices , state of the art infrastructure and world class Research Facilities. This glorious Institution is functioning under the dynamic leadership of Dr. Mariazeena Johnson,

Chancellor, Dr. Marie Johnson, President, Mr. J. Arul Selvan Vice President, Ms. Maria Bernadette Tamilarasi, Vice President and Ms.Maria Catherin Jayapriya, Vice President.

Sathyabama has a good presence in rankings and ratings at National and International level. The Institution has been ranked in 51st position by the National Institutional Ranking Framework (NIRF), Government of India among the Universities in India for the year 2023 and ranked one among the top 100 Universities for eight consecutive years. Sathyabama is ranked among the Top 5 Institutions in the Country for Innovation by ATAL ranking of Institution for Innovation Achievements, Govt. of India. Times Higher Education and QS has ranked Sathyabama among the top Institutions worldwide. Sathyabama Institute of Science & Technology has alliances with leading Universities and research establishments at National and International Level. It is a research intensive University with world class laboratories and research facilities and is involved in research in the emerging areas of Science and Technology. Sathyabama has undertaken various sponsored and collaborative R&D projects funded by National and International Organizations. Sathyabama has written a special page in the history of space research on 22nd June 2016 with the launch of "SATHYABAMASAT" in association with ISRO. Since its inception, Taylor's University has nurtured its students in the three intelligences of intellect, practical wisdom and creativity through its Taylor'sphere ecosystem of relevant curriculum, innovative pedagogy, multidisciplinary projects, impact-based research, strong industry linkages, partnerships with world-class universities, up-to-date facilities, as well as networks with peers and alumni.

Department of Computer Science and Engineering

Department of Computer Science and Engineering (CSE) is one among the leading and oldest departments of the **Sathyabama Institute of Science and Technology**. The department is reputed for its excellence in teaching and training engineering students for generations since 1987. The department caters Under Graduate, Post Graduate, and Ph.D. courses in all the specialized areas of computing. The department provides B.E. Computer Science and Engineering with NBA and ABET accreditation, B.E. Computer Science and Engineering with specialization in Artificial Intelligence, B.E. Computer Science and Engineering with specialization in Data Sciences, B.E. Computer Science and Engineering with specialization in IoT, B.E - Computer Science and Engineering with specialization in Artificial Intelligence and Robotics, B.E - Computer Science and Engineering with specialization in Artificial Intelligence and Machine Learning, B.E - Computer Science and Engineering with specialization in Blockchain Technology, B.E - Computer Science and Engineering with specialization in Cyber Security, and M.E. Computer Science and Engineering programmes. The department of CSE has pioneered in setting education standards par excellence that can be sensed by the presence of alumni in all the leading multinational software firms like Microsoft, Infosys, Oracle, Capgemini, Verizon, Virtusa, Cognizant, Wipro, HCL, etc. The department is enriched with well-qualified, experienced, and dedicated faculty members. Endowed with a futuristic vision of generating sustained quality manpower for the ever-increasing global demand of software firms, the department of CSE is equipped with state-of-the-art facilities like AI Supercomputing facility, Metaverse Studio, Drones and Robotics along

with other specialized laboratories to provide excellent and live training for budding engineers.

Taylor's University, Malaysia,

Taylor's University is the No. 1 private university in Southeast Asia, ranked #284 in the QS World University Rankings 2024. This ranking places the university among the top 1% of global universities. Additionally, the university is ranked at No. 41 in Asia in the QS Asia University Rankings 2024 exercise. The university also has 5-Star ratings in seven (7) categories of the QS Stars Rating: Teaching, Internationalisation, Employability, Inclusiveness, Facilities, Subject Ranking and Online Learning. In QS World University Rankings by Subject 2023, Taylor's is ranked 17th in the world for Hospitality & Leisure Management and Taylor's Business School is ranked #91 for Business and Management Studies, making it the top private business school in Malaysia and Southeast Asia. In addition, the university is also humbled by its recognition as the world's Top 350 for Computer Science and Information Systems subject. These achievements are important milestones for Taylor's, in line with its aim of becoming one of Asia's leading universities.

Recognised as a Premier Digital Tech IHL by Malaysia Digital Economy Corporation (MDEC), a recognition given to Malaysia's leading digital tech-focused tertiary institutions, Taylor's continues to play a strong role in developing Malaysia's human resource capital, and boasts a 100,000-strong alumnus, many of whom have become leaders in their respective fields.

Conference Objectives

The **International Conference on Cognitive Computing and Artificial Intelligence (ICCCAI-2024)** is a highly anticipated global event that brings together leading minds from academia, industry, and research communities to foster innovation and collaboration in the rapidly advancing fields of **Cognitive Computing** and **Artificial Intelligence (AI)**.

Significance of the Conference

ICCCAI-2024 serves as a crucial platform for addressing the latest developments, challenges, and opportunities in AI and Cognitive Computing. These fields are transforming industries by enabling machines to simulate human thought processes, learn from data, and solve complex problems efficiently. The conference underscores the role of AI in revolutionizing sectors such as:

- **Healthcare**: Enhancing diagnostic accuracy, automating workflows, and improving patient care.
- **Education**: Enabling personalized learning experiences and adaptive learning systems.
- **Automation and Robotics**: Advancing intelligent automation and autonomous systems.
- **Finance**: Streamlining fraud detection and predictive analytics.

Key Objectives

1. **Knowledge Sharing**: Facilitating the exchange of innovative ideas, groundbreaking research, and success stories among experts.
2. **Interdisciplinary Collaboration**: Encouraging collaboration between AI specialists and professionals from fields such as medicine, education, and engineering to develop holistic solutions.
3. **Ethical and Societal Impact**: Addressing the ethical implications and societal challenges of deploying AI technologies at scale.

Conference Highlights

The two-day event will feature:

- **Keynote Speeches**: Delivered by renowned experts in Cognitive Computing and AI.
- **Research Paper Presentations**: Showcasing state-of-the-art studies on machine learning, natural language processing, quantum AI, and more.
- **Workshops and Tutorials**: Providing hands-on experience in cutting-edge AI tools and techniques.
- **Panel Discussions**: Focusing on critical topics such as the future of AI, its integration into industries, and strategies for ensuring responsible innovation.

Broader Implications

ICCCAI-2024 goes beyond theoretical discussions, emphasizing real-world applications of Cognitive Computing and AI. It provides attendees with insights into how these technologies can be effectively utilized to address global challenges, improve efficiency, and create sustainable solutions.

In essence, ICCCAI-2024 is not just a conference; it is a milestone event driving the future of intelligent systems and empowering researchers and practitioners to build technologies that positively transform the world.

Keynote Sessions

The keynote sessions at ICCCAI-2024 are designed to inspire attendees with insights from distinguished experts in Cognitive Computing and Artificial Intelligence. These sessions will cover cutting-edge research, industry applications, and the future trajectory of AI technologies.

1. Prof. Ts. Dr. Sim Yee Wai

Head of School,School of Engineering,Taylor's University, Malaysia

Topic: *"Cognitive Computing in the Era of Quantum AI: Challenges and Opportunities"*
Key Takeaways:

- The potential of quantum computing to revolutionize AI by solving problems at unprecedented speeds.
- Integration of cognitive computing with quantum frameworks for applications in healthcare and logistics.
- Strategies for overcoming computational and ethical challenges.

2. Dr. Swee King Phang,

Senior Lecturer,Taylor's University, Malaysia

Topic: *"Human-Centric AI: Bridging the Gap Between Intelligence and Empathy"*
Key Takeaways:

- The importance of developing AI systems that align with human values and needs.
- Advances in emotion recognition and AI-driven mental health tools.
- Case studies of AI applications in education and elder care.

3. Dr Raja Kumar Murugesan

Associate Professor of Computer Science, Head of Research for the Faculty of Innovation and Technology,Taylor's University, Malaysia

Topic: *"AI-Powered Business Transformation: Trends for 2030"*
Key Takeaways:

- Real-world applications of AI in finance, retail, and manufacturing.
- Insights into scaling AI systems for small and medium enterprises.
- Predictions for the role of AI in economic and industrial development.

4. Dr. Afizan Azman

Associate Professor, Director for Impact Lab Digital Innovation & Smart Society at Taylor's University, Malaysia

Topic: "*Cognitive Computing and Human-Like Problem Solving*"

Key Takeaways:

- Cognitive computing aims to replicate human thought processes, allowing machines to reason, understand, and learn.
- This approach can revolutionize industries such as healthcare (AI diagnostics) and education (personalized learning systems).
- Future challenges involve bridging the gap between human-like cognition and machine learning algorithms.

5. Dr Sayan Kumar Ray

Associate Professor and Head of School of Computer Science,Taylor's University, Malaysia

Topic: "*AI in Healthcare: Revolutionizing Diagnosis and Treatment*"

Key Takeaways:

- AI technologies are improving diagnostic accuracy, treatment personalization, and patient care outcomes.
- Machine learning models can analyze medical data to detect diseases early, such as cancer or cardiovascular conditions.
- Ethical considerations, such as data privacy and bias, must be addressed for effective implementation.

6. Dr. Adithya Pothan Raj V

Lead Architect - Technology,CTS - Canada

Topic: "*Natural Language Processing: Bridging Human-Machine Communication*"

Key Takeaways:

- NLP enables machines to understand and respond to human language, driving advancements in chatbots, virtual assistants, and translation systems.
- Current challenges in NLP include dealing with ambiguity, context understanding, and reducing bias in machine-generated responses.
- The future lies in developing systems that can truly understand the emotions and intent behind human language.

7. **Dr. Pethuru Raj**

Chief Architect and Vice President, Site Reliability Engineering (SRE) Division,Reliance JioInfocomm. Ltd. (RJIL), Bangalore,India

Topic: *" AI Ethics: Ensuring Fairness and Transparency"*

Key Takeaways:

- As AI systems become more integrated into decision-making processes, ensuring fairness, transparency, and accountability becomes essential.
- Bias in data and algorithms can perpetuate social inequalities, making ethical AI development critical.
- The importance of developing AI regulations and frameworks to ensure responsible use of AI technology.

8. **Dr. D Nagesh Kumar**

Professor, Dept. of Civil Engineering,Associate Faculty, Centre for Earth Sciences (CEaS)

Indian Institute of Science Bangalore

Topic: *" AI-Powered Robotics: Transforming Industries"*

Key Takeaways:

- AI-driven robots are automating tasks in manufacturing, logistics, and healthcare, enhancing productivity and safety.
- Advanced robotics, when combined with cognitive computing, can handle complex tasks, like collaborative work with humans in real-time.
- Key challenges include improving robot adaptability in dynamic environments and ensuring human-robot collaboration.

9. **Dr.Sheeba Rani J**

Department of Avionics,Indian Institute of Space Science and Technology, Trivandrum

Topic: *" AI in Smart Cities: Building the Future of Urban Living"*

Key Takeaways:

- AI technologies are helping to optimize traffic flow, reduce energy consumption, and improve urban planning in smart cities.
- By analyzing data from sensors, AI can provide real-time insights into city operations, enhancing public safety, infrastructure management, and resource distribution.
- Data privacy and security concerns must be tackled to ensure the safe deployment of AI in urban environments.

10. Dr. Deepak Mishra

Professor & Head,Department of Avionics, Indian Institute of Space Science and Technology, Trivandrum

Topic*: " Reinforcement Learning: Shaping Autonomous Systems"*

Key Takeaways:

- Reinforcement learning (RL) enables machines to learn from trial and error, driving advancements in autonomous systems like self-driving cars and robots.
- RL can optimize complex systems by rewarding desirable actions and learning from mistakes.
- Real-world applications, such as robotics, gaming, and healthcare, are rapidly advancing but require robust safety mechanisms.

Technical Sessions and Paper Presentations

Conference Statistics - ICCCAI-2024

- **Total Papers Received**: 450
- **Papers Accepted**: 280
- **Registrations**: 220

These statistics reflect a highly competitive selection process, showcasing the global interest and quality of research presented at the conference. The acceptance rate of **62.2%** indicates a rigorous review process, with the selected papers representing some of the most innovative and impactful work in **Cognitive Computing** and **Artificial Intelligence**. Additionally, the strong registration numbers highlight the high level of engagement from researchers, academicians, and professionals in the field.

Networking and Collaboration Opportunities

ICCCAI-2024 provides an excellent platform for researchers, academicians, industry professionals, and students to engage in networking and collaboration. The event encourages meaningful interactions and partnerships that can drive future advancements in **Cognitive Computing** and **Artificial Intelligence**. Below are some key opportunities and notable collaborations:

1. Networking Opportunities

- **Social Events and Receptions:**
  - Informal networking events such as **welcome receptions** and **networking lunches** provide opportunities to meet and discuss research interests in a relaxed environment. These events foster open communication and encourage the exchange of ideas.
- **Technical Sessions and Panel Discussions:**
  - Participants can network during Q&A sessions and panel discussions where they engage with keynote speakers, session leaders, and fellow attendees. This is a great way to ask questions, share insights, and explore common research interests.
- **Poster and Exhibition Sessions:**
  - Researchers presenting posters on their work can interact directly with attendees, leading to in-depth discussions on specific topics of interest. Exhibitions showcasing AI tools, platforms, and software also provide a chance for attendees to explore the latest technologies and establish potential collaborations.
- **Collaborative Workshops:**
  - Specialized workshops on topics like **quantum AI**, **AI ethics**, or **machine learning applications** provide hands-on opportunities for researchers and professionals to learn from each other, exchange ideas, and form collaborative research teams.

2. Notable Collaborations and Partnerships Formed

- **University Partnerships:**
  - Researchers from **Taylor's University, Malaysia** and **Sathyabama Institute of Science and Technology, India** were able to establish formal academic partnerships for joint research in areas like **Quantum AI** and **Cognitive Computing**.
  - Discussions about setting up collaborative labs and exchange programs for students and faculty to explore AI technologies in different cultural and academic environments were initiated.
- **Industry-Academic Collaborations:**
  - Leading AI companies such as **InnovateAI Solutions** and academic institutions like **MIT** have discussed ongoing and future partnerships in **AI-driven healthcare solutions**. These collaborations aim to combine cutting-edge

academic research with real-world applications in the medical field, such as **AI-based diagnostics** and **personalized treatment plans**.

- **Cross-National Research Initiatives:**
  - Attendees from institutions in the **USA**, **UK**, **India**, and **Singapore** discussed creating a **global AI research consortium**. This initiative will focus on developing **sustainable AI solutions** in the areas of **climate change**, **energy management**, and **environmental protection**.
- **Startups and Academic Institutions Collaboration:**
  - **AI startups** showcased their technologies in areas like **robotics**, **NLP**, and **smart cities** and found collaborative opportunities with academic researchers. These collaborations aim to **test and refine AI models** in real-world environments, bridging the gap between **theoretical AI research** and **practical AI solutions**.

3. Benefits of Networking and Collaboration

- **Research Funding and Grant Opportunities:**
  - Networking with industry professionals and government representatives opened doors to potential funding opportunities for collaborative research projects. Partnerships formed during the event are expected to apply for joint **research grants** in **AI applications** for sectors like **healthcare**, **smart cities**, and **sustainable technology**.
- **Cross-disciplinary Collaboration:**
  - The event provided a unique opportunity for participants to work across disciplines, especially in fields like **AI ethics**, **robotics**, and **data privacy**, where input from experts in law, sociology, and engineering was crucial. The blend of diverse expertise created strong interdisciplinary research teams.
- **Knowledge Exchange and Innovation:**
  - Researchers had the chance to learn from each other's successes and failures, particularly in the application of **AI technologies** across different industries. This exchange is crucial for driving innovation and pushing the boundaries of what AI can achieve.
- **Future Conference and Symposium Planning:**
  - Attendees discussed the possibility of organizing follow-up events, such as webinars, workshops, and symposiums focused on emerging areas like **AI in healthcare** and **Quantum AI**, further solidifying collaborations formed at ICCCAI-2024.

Outcomes and Conclusions

Outcomes of ICCCAI-2024

The **International Conference on Cognitive Computing and Artificial Intelligence (ICCCAI-2024)** achieved several notable outcomes that will shape the future of research and

development in **AI** and **Cognitive Computing**. These outcomes reflect the conference's impact on advancing knowledge, fostering collaborations, and addressing key challenges in the field.

1. Strengthening Research Collaboration

- **Cross-border Academic Partnerships**:
  Researchers from **different countries**, including **India**, **Malaysia**, the **USA**, and **the UK**, established collaborative research initiatives focused on areas like **quantum AI**, **robotics**, and **AI ethics**. These partnerships are set to result in joint research publications, project proposals, and exchange programs, further advancing AI technologies on a global scale.
- **Industry-Academic Synergy**:
  Collaboration between **leading AI companies** and **academic institutions** led to the exploration of real-world applications of AI research. Key collaborations in **healthcare AI**, **smart cities**, and **robotics** are expected to accelerate the development and deployment of AI-driven solutions in these sectors.

2. Highlighting Emerging AI Trends

- **Quantum AI Integration**:
  The event highlighted the ongoing research into **quantum computing**'s role in enhancing AI algorithms. As AI and quantum computing intersect, new methodologies and computational frameworks will likely emerge, accelerating research in fields such as **drug discovery**, **financial modeling**, and **cryptography**.
- **AI in Healthcare**:
  The conference underscored the transformative potential of AI in **personalized medicine**, **AI-driven diagnostics**, and **robot-assisted surgeries**. Collaborative efforts between AI experts and healthcare providers aim to enhance the accuracy, speed, and accessibility of medical services, particularly in **under-served areas**.

3. Ethical AI Development

- **Addressing Bias and Fairness**:
  Ethical discussions at ICCCAI-2024 emphasized the need for AI systems that are fair, transparent, and free from bias. Researchers and policymakers are collaborating on **AI fairness frameworks** and **bias mitigation strategies** to ensure that AI technologies serve diverse populations equitably. This outcome is particularly relevant for industries like **finance**, **education**, and **criminal justice**, where algorithmic bias can have significant societal consequences.

- **Regulation and Governance**:
  A key outcome was the **call for AI regulations** that ensure ethical use and development of AI systems. Future collaborative efforts will focus on creating **international guidelines** for **AI governance**, addressing issues like **data privacy**, **accountability**, and **AI explainability**.

4. Real-World AI Applications

- **Smart Cities and Sustainability**:
  The conference brought attention to **AI's role in building smart cities** and addressing global sustainability challenges. Presentations focused on **AI-driven solutions** in **urban planning**, **energy optimization**, and **environmental monitoring**. Collaborative initiatives are expected to further develop AI systems that help **optimize traffic flow**, **reduce energy consumption**, and **improve waste management**.
- **Robotics and Automation**:
  Robotics emerged as a major theme, with a focus on AI-driven **autonomous systems** for applications ranging from **self-driving cars** to **intelligent manufacturing**. These systems are poised to revolutionize industries by improving efficiency, safety, and productivity. Notable collaborations aim to advance AI integration into **robotic process automation** (RPA) in sectors such as **logistics**, **healthcare**, and **manufacturing**.

5. Strengthened AI Ecosystem

- **Workshops and Training Sessions**:
  ICCCAI-2024 organized several **workshops** and **hands-on training sessions** that facilitated **knowledge transfer** between academic researchers, industry practitioners, and students. These sessions helped attendees stay current with the latest AI technologies and methodologies, strengthening the global **AI ecosystem**.
- **AI Talent Development**:
  The event provided a platform for young researchers and students to showcase their work and interact with senior experts. **Internships** and **collaborative research projects** discussed during the conference offer opportunities for **talent development**, ensuring that future AI professionals are well-equipped to handle emerging challenges in the field.

6. Policy Influence

- **AI Policy Recommendations**:
  The conference included discussions on **AI policies**, emphasizing the need for governments to create frameworks that enable AI innovation while ensuring public safety and privacy. Policy experts collaborated with AI researchers to create actionable

recommendations for governments worldwide to foster AI development in an ethical and sustainable manner.

Conference Contribution to the Field

1. **Advancing Knowledge in Cognitive Computing and AI**:
   ICCCAI-2024 provided a comprehensive platform for the dissemination of cutting-edge research in Cognitive Computing and AI. Attendees shared their latest findings on **quantum AI**, **machine learning**, **natural language processing**, **reinforcement learning**, and more. The conference facilitated a deep dive into how these technologies are being applied across various sectors such as **healthcare**, **finance**, **smart cities**, and **environmental sustainability**.
2. **Cross-Industry Collaborations**:
   One of the conference's key achievements was fostering collaboration between **academia**, **industry**, and **government** representatives. These partnerships are expected to drive **real-world AI applications**, particularly in areas like **AI-driven diagnostics**, **robotics**, and **AI in climate change**. The discussions set the stage for future joint research projects, focusing on translating theoretical advancements into tangible solutions.
3. **AI Ethics and Governance**:
   The event addressed the **ethical challenges** associated with the widespread deployment of AI, particularly in areas like **data privacy**, **bias reduction**, and **transparency in decision-making**. Experts emphasized the need for developing clear **AI regulations** and **governance models** to ensure responsible and ethical use of AI technologies, which are crucial for maintaining public trust and societal benefits.
4. **Impact of AI on Global Issues**:
   ICCCAI-2024 underscored the **transformative potential** of AI to address global challenges such as **healthcare accessibility**, **climate change**, and **economic development**. Presentations focused on AI's role in creating **sustainable solutions** for industries and societies, with real-world case studies demonstrating how AI is already making a positive impact on various sectors.

Future Directions and Trends Highlighted During the Event

1. **AI and Quantum Computing Integration**:
   One of the most exciting trends discussed at the conference was the **integration of AI and quantum computing**. Researchers highlighted the potential for quantum computing to exponentially speed up AI algorithms, especially in complex fields like **drug discovery** and **financial modeling**. While practical applications are still in the early stages, the future looks promising, with significant progress expected in the next decade.
2. **AI in Healthcare and Personalized Medicine**:
   AI's role in **healthcare** was a major focus at ICCCAI-2024, with an emphasis on

personalized medicine, **predictive diagnostics**, and **AI-driven drug discovery**. The event showcased AI's ability to tailor medical treatments to individual needs, offering hope for more effective and targeted therapies. Future developments in AI are expected to continue revolutionizing **precision medicine**, improving patient outcomes and optimizing healthcare delivery.

3. **Ethical AI Development**:
   A recurring theme was the need for **ethical AI development** that ensures fairness, transparency, and accountability. Experts highlighted the growing importance of addressing **AI biases**, particularly in sensitive areas such as **hiring**, **law enforcement**, and **credit scoring**. The future will see increasing efforts to develop AI models that are both **fair and explainable**, with organizations working to create **ethical guidelines** and **regulatory frameworks**.

4. **Human-AI Collaboration**:
   The future of AI is likely to be centered around **collaborative systems** rather than fully autonomous machines. Keynote speakers discussed how AI can augment human capabilities by enhancing decision-making processes and improving productivity across industries. The trend is moving towards systems where **AI acts as a partner** to human expertise, helping people achieve better outcomes in various fields, from **education** to **business**.

5. **AI for Sustainability and Environmental Protection**:
   AI's role in **sustainability** and **environmental conservation** emerged as a major trend. Presentations discussed AI's potential to optimize energy usage, reduce waste, and enhance the effectiveness of **climate change mitigation** strategies. The future of AI in this area includes **smart grids**, **predictive climate modeling**, and **AI-powered environmental monitoring** systems that help identify and reduce pollution.

6. **Autonomous Systems and Robotics**:
   The development of **autonomous systems** and **AI-powered robotics** is expected to accelerate in the coming years. ICCCAI-2024 showcased advancements in **self-driving cars**, **robotic process automation**, and **intelligent manufacturing systems**. The trend is moving towards smarter, more adaptable robots that can work alongside humans in a wide variety of environments, including manufacturing, healthcare, and space exploration.

7. **AI and Human-Centric Design**:
   Future AI systems will focus on **human-centric design**, ensuring that machines are developed to understand and respond to human needs, emotions, and behavior. The integration of **empathy** and **emotional intelligence** in AI systems will enhance their ability to engage meaningfully with humans, particularly in fields like **mental health care**, **elder care**, and **customer service**.

Conclusion

ICCCAI-2024 was a landmark event in the journey of **Cognitive Computing** and **Artificial Intelligence**, offering valuable insights into the latest trends and challenges in these transformative fields. The conference demonstrated AI's immense potential to address global

challenges and improve industries, while also highlighting the need for responsible, ethical development.

As AI technologies continue to evolve, future trends such as the integration of **quantum computing**, **ethical AI**, **human-AI collaboration**, and **AI-driven sustainability** will shape the next phase of innovation. Researchers, industry professionals, and policymakers must continue to collaborate to ensure that AI serves humanity's best interests while minimizing risks and ethical concerns.

ICCCAI-2024 has laid the groundwork for these exciting advancements, setting the stage for the future of intelligent systems that will define the next generation of AI technologies.
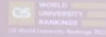
SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY
SCHOOL OF COMPUTING

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
INTERNATIONAL CONFERENCE ON COGNITIVE COMPUTING AND ARTIFICIAL INTELLIGENCE (ICCCAI - 2024)

Session Schedule
7ᵗʰ March 2024, Thursday
Oral Session I: Natural Language Processing
Venue: Tmt. Soundrabai Auditorium, SCAS
Timings:(11.30 AM – 01.15 PM)

Session In charges: Ms.D.Deepa(96006 86847)

Ms.S.Pothumani(9843099677)
Dr.D.Deepa (9003952611)

Sl.No	Paper ID	Title of the Paper	Name of the Candidate	Category	Name of the College
1.	ICCCAI_137	Resume Extraction for HR Analytics	Gurijala Charitha , Yeddula Susmitha, P.Kabitha	Student	Sathyabama Institute of Science and Technology, Chennai, India
2.	ICCCAI_217	Dark Web Crawler	Dr. D. Saravanan, Madhuri Madala, Manjunath Shivapuram, Vijay Ramalingam	Student	Sathyabama Institute of Science and Technology, Chennai, India
3.	ICCCAI_332	Exo Natural language processing for Next word prediction through innovative machine learning paradigms	Monica gaja , V.Kaviya , C.Esuru Pooja , V.Ramasamy	Faculty	Dr. M.G.R. Educational and Research Institute,Chennai
4.	ICCCAI_344	Multipage webapp integration of hand gesture for words and alphabets	Jemshia Miriam , Chodisetty Hasith Ramachandra, Pammi Keerthana	Student	Sathyabama Institute of Science and Technology, Chennai, India
5.	ICCCAI_378	LDA-Powered Resume Screening Dashboard with Token Indexing & Streamlit	Sridevi Narayana, Lingesh S, Leelavathi B	Student	Sathyabama Institute of Science and Technology, Chennai, India
6.	ICCCAI_447	Employee proctoring system	K.Bhavana, A.Mukesh, R.Velvizhi	Student	Sathyabama Institute of Science and Technology, Chennai, India
7.	ICCCAI_414	Predictive Maintenance for Manufacturing Using Machine Learning	G.Nagarajan, M.Revanthi	Student	Sathyabama Institute of Science and Technology, Chennai, India
8.	ICCCAI_206	Building a Robust and Secured VPN Infrastructure for Ensured Network Communication and Connectivity	Nitheesh S.K.G , Paila Tarun , Gowri.S	Student	Sathyabama Institute of Science and Technology, Chennai, India
9.	ICCCAI_399	Crime Analysis and Detection Based on Location Using Machine Learning	Varshith Peddineni, Patan Firoz Khan, Dr.S.L. Jany Shabu,J.Refonaa, Dr.M.Maheswari,Mohanapriya	Student	Sathyabama Institute of Science and Technology, Chennai, India
10.	ICCCAI_497	Real time Heartbeat Rate Estimation using Web Camera	Hariharan.V, Harini.B, Subathra.G	Student	Sathyabama Institute of Science and Technology, Chennai, India

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

INTERNATIONAL CONFERENCE ON COGNITIVE COMPUTING AND ARTIFICIAL INTELLIGENCE (ICCCAI - 2024)

Session Schedule

7th March 2024, Thursday

Oral Session II: Blockchain Technology Venue:
Design Thinking Lab, St. Paul's Block First Floor
Timings:(11.30 AM – 01.15 PM)

Session Incharges: Dr Rajashree (94868 38080)
Dr Jemshia Mirium (9944649784)

Sl.No	Paper ID	Title of the Paper	Name of the Candidate	Category	Name of the College
1.	ICCCAI_111	Digi-Block: A Novel Authentication Methodology of Digital Documents Using Blockchain	Dr. Parveen Sultana H, B. Rakesh, Pratyay Piyush	Faculty	VIT University, Vellore
2.	ICCCAI_113	ESOP: Blockchain Based ESOP	Aarthi R, Rajalashmi R, Dr. Rajasekar P	Student	Sathyabama Institute of Science and Technology, Chennai, India
3.	ICCCAI_139	E- Voting System Using Block Chain	U V V Rama Mohana Krishna Sai, Tulasi Ram naidu.K, Dr.P.Ajitha	Student	Sathyabama Institute of Science and Technology, Chennai, India
4.	ICCCAI_151	GiftGrain : Crowdfunding Application Using Blockchain	Nayan Savaria, Rahul Mudaliar	Student	Sathyabama Institute of Science and Technology, Chennai, India
5.	ICCCAI_146	Blockchain powered verifiable certificates	A.Sivasangari, J.Tulasi Ram, M.Venkata Mani	Student	Sathyabama Institute of Science and Technology, Chennai, India
6.	ICCCAI_169	Disrupting Traditional Publishing: A Study on the Implementation of a Decentralized Blogging System Using Blockchain Technology	Dr. M. Nafees Muneera, Yogesh Thokala, Yamparala Manikanta	Student	Sathyabama Institute of Science and Technology, Chennai, India
7.	ICCCAI_225	Crowdfunding Application using Blockchain	A D Cris Evangelene, Siripalli Dheeraj Kumar, Dr.Pothumani	Student	Sathyabama Institute of Science and Technology, Chennai, India
8.	ICCCAI_232	Decentralization of real estate using blockchain	Gullapalli Srihas, Boddu Ganesh Kumar, Jemshia Miriam	Student	Sathyabama Institute of Science and Technology, Chennai, India
9.	ICCCAI_474	Sign Language Translation and Voice Impairment Support System Using Deep Learning for Machine Translation	MeghaSriVardhan Pulakhandam , Jyothsna Sree Jonnadula ,T R Saravanan	Student	SRM institute of science and technology Potheri, SRM Nagar, Kattankulathur, Tamil Nadu 603203.
10.	ICCCAI_449	Analysis of various CNN models for COVID classification	G. Nagarajan, M. V. Shyam, A. Satya Sree Vinayak	Student	Sathyabama Institute of Science and Technology, Chennai, India

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Session Schedule

7th March 2024, Thursday

Oral Session III: Blockchain Technology Venue:
Machine Vision Lab, St. Paul's Block Second Floor
Timings:(11.30 AM – 01.15 PM)

Session Incharges: Dr.R.M.Gomathi (9940284213)
Dr.L.Sujihelen (9488389936)

Sl.No	Paper ID	Title of the Paper	Name of the Candidate	Category	Name of the College
1.	ICCCAI_204	Securenet: Advanced Encryption and Data Protection With Blockchain Integration	Arul Prakash A, Tota Laxmana Rao, jade Teja	Student	Sathyabama Institute of Science and Technology, Chennai, India
2.	ICCCAI_210	Blockchain Hashing Prototype Of Blockchain Mining And Hashing With The Help Of Secured Hashing Algorithm Of Sha256 Bits	S.Bhuvaneshwaran, S.Don Inigo, Dr.C.Geetha	Student	Sathyabama Institute of Science and Technology, Chennai, India
3.	ICCCAI_211	Personal Identity Security System Using Block Chain	Thota SaiNath, V.Hanuman Sai, L.Lalitha	Student	Sathyabama Institute of Science and Technology, Chennai, India
4.	ICCCAI_214	Blockchain-Powered Crowdfunding: Ensuring Trust and Security In The Digital Era	Arul Prakash A,Harsha Bathina,Avala Anil	Student	Sathyabama Institute of Science and Technology, Chennai, India
5.	ICCCAI_256	Supply Chain Management of Pharmaceutical Drugs Using Blockchain	Harshit Tathagat, Roshan Kumar Sinha, Dr. P. Ajitha	Student	Sathyabama Institute of Science and Technology, Chennai, India
6.	ICCCAI_274	Smart Tender Contract Management System in Python Using Block-Chain	N. Srinivasa Rao, N. Venkata bhaskar, Mr. Sangeengrana	Student	Sathyabama Institute of Science and Technology, Chennai, India
7.	ICCCAI_338	Government Fund Allocation and Tracking System Using Blockchain Technology	Sama Subhadra, Sai Preethi Kota, L. Sujihelen	Student	Sathyabama Institute of Science and Technology, Chennai, India
8.	ICCCAI_473	Revolutionizing Agricultural Practices: A Comprehensive Exploration of Farm Era's Farm Management Application with Advanced Data Analysis, Geospatial Mapping, and Real-time Monitoring Modules	E Shreesha Reddy, D Bhogabhavish, T R Saravanan	Student	SRM Institute of Science and Technology, SRM Nagar, Kattankulathur - 603 203 Chengalpattu District, Tamil Nadu.
9.	ICCCAI_450	Advanced Pupilometry Analysis	B Rohan Kumar Reddy, BVVM Vishnu Vardhan , N Sridevi	Student	Sathyabama Institute of Science and Technology, Chennai, India

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INTERNATIONAL CONFERENCE ON COGNITIVE COMPUTING AND ARTIFICIAL INTELLIGENCE (ICCCAI - 2024)

Session Schedule

7ᵗʰ March 2024, Thursday

Oral Session-IV

Venue: St.Paul's Block Class Room

Timings:(11.30 AM – 01.15 PM)

Session In charges: Dr.N.S.Usha

Ms.B.Sandhiya

Sl.No	Paper ID	Title of the Paper	Name of the Candidate	Category	Name of the College
1.	ICCCAI_438	Innovative Certificate and Signature Verification System: A Blockchain-Based Approach for Authentication And Fraud Detection	Sayed Abdul Khadir,T.Ravindra Reddy, Dr. R. M. Gomathi	Student	Sathyabama Institute of Science and Technology, Chennai, India
2.	ICCCAI_517	Secure Tour: Empowering Tourists with Real-Time Safety Information for Informed Destination Choices and Recommendation	Paramsetti Manoj, Dr. Supriya	Student	Sathyabama Institute of Science and Technology, Chennai, India
3.	ICCCAI_503	Enhancement Of Privacy Protection of Applications	Mr.S.Vignesh, Dr.D.Saravanan, Dr..A.Pravin, Siva Venkata Kaushik Pulipati, Sai Akhil Potti	Student	Sathyabama Institute of Science and Technology, Chennai, India
4.	ICCCAI_402	Artificial Intelligence-Based Method for Identifying Parkinson's Disease	C. Pragna, Senduru Srinivasulu, D.Sreeja, R. Jeberson Retna Raj, Gowri. S, Jabez .J ,Suganthi L	Student	Sathyabama Institute of Science and Technology, Chennai, India
5.	ICCCAI_527	Smart Solutions for Emotional Wellbeing: Chatbot-Facilitated Sentiment Analysis in Mental Health	Pranshul Verma, Isha Sharma, Deeba Kannan	Student	SRM Institute Of Science And Technology, Chennai
6.	ICCCAI_530	Elevating Possibilities: Deconstructing Cloud Computing's Blueprint, Battling Security Storms, and Paving The Path Forward.	Sai Prachothan Kalakota, N Khushal Kumar Jain,Dr.N.Srinivasan,Ramyabharathi.R,Punitha.K	Student	Sathyabama Institute of Science and Technology, Chennai, India
7.	ICCCAI_198	Road Accident Spot Prediction with Multiple Deep Learning	Petla Siddhartha, Vinay babu pasasla, .Dr. D. Deepa	Student	Sathyabama Institute of Science and Technology, Chennai, India
8.	ICCCAI_498	Blockchain Voting System Develop Secure and Transparent Voting System	D.Shashank, B. sai krishna vardhan reddy Dr.Subathra G	Student	Sathyabama Institute of Science and Technology, Chennai, India
9.	ICCCAI_520	A Method for Time-Efficient Negotiation for Autonomous Driving	Sheethal S, Sushela R M, Dr. Jabez J, Dr.Albert Mayan J	Student	Sathyabama Institute of Science and Technology, Chennai, India
10.	ICCCAI_532	The Democratization of Knowledge: Analyzing AI's Effect on Undergraduate Education	Gopisetti Varun Prasad, Rakesh Gogineni, Dr. M.D.Anto Praveena, A.Mary Posonia, R.Sathya Bama Krishna	Student	Sathyabama Institute of Science and Technology, Chennai, India

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

INTERNATIONAL CONFERENCE ON COGNITIVE COMPUTING AND ARTIFICIAL INTELLIGENCE (ICCCAI - 2024)

Session Schedule

7th March 2024, Thursday

ONLINE　　　　　　　MODE

Timings:(11.30 AM – 01.30 PM)

Session Incharges: Ms.K.Anita Davamani(9677111725)
Dr.M.Sankari(9940109992)

Sl.No	Paper ID	Title of the Paper	Name of the Candidate	Category	Name of the College
1.	ICCCAI_019	Time Series Analysis on the Rate of Tuberculosis Cases in Bhutan	Chandani Sharma, Kamna, Himanshi Gouri	Faculty	Maharishi Markandeshwar (Deemed to be University), Haryana.
2.	ICCCAI_188	Ensemble Classification for Improved Lung Cancer Detection: A Comparative Study	Dr.G.Arunkumar,S Arfa Ameena,M Gaythri,P Afra Anjum,S Aiman Anjum	Faculty	Madanapalle Institute of Technology & Science Madanapalle – 517325
3.	ICCCAI_317	Exploring Machine Learning for Predicting Multiple Health Conditions	J.Nagaraj, M Surajshan, Kudumu Vivekananda Reddy, M Rikitha Sree,P Vinaya Sree	Faculty	Madanapalle Institute of Technology& Science ,Andhra pradesh
4.	ICCCAI_318	Recommendation Of Commodities Exchange Using Deep Learning Algorithm	J.Nagaraj,M.Venkata Chirudeep, G.Kumar Swamy,S.Mohammed Zuber	Faculty	Madanapalle Institute of Technology& Science ,Madanapalle,Andhra pradesh
5.	ICCCAI_123	Literature review on Artificial Intelligence and blockchain for flood monitoring and Early Warning System	Adiq P N, Anamika C J, Andria P V, Preema S	Student	Toc H Institute of Science & Technology,Kerala, India
6.	ICCCAI_102	A Comparative Study of Watering Hole Attack Detection Using Supervised Neural Network	Mst. Nishita Aktar, Sornali Akter, Md. Nusaim Islam Saad, Jakir Hosen Jisun, Kh. Mustafizur Rahman, Md. Nazmus Sakib	Faculty	World university of Bangladesh Dhaka, Bangladesh
7.	ICCCAI- 522	Comparative Analysis of Machine Learning Algorithms for Lung Cancer Classification	Dr.G.Arunkumar, Avvari Rakesh,Kalladi Sreevathsa,V N Sukesh	Faculty	Madanapalle Institute of Technology, Andhra Pradesh, India
8.	ICCCAI_254	Surveillance System for Detection of Bike Riders without Helmet Using Yolo Algorithm	Dr.G.Arunkumar,S Harsha Vardhan ,Jilakara Madhu,P Tharun Kumar ,G. Radha Krishna	Faculty	Madanapalle Institute of Technology & Science
9.	ICCCAI_290	Credit Card Fraud Detection Using Machine Learning Algorithms: A Review	Mrs. Manali Kulkarni, Dr. Grantej Otari, Mr. Sameer Patil, Mr. Tanaji Patil, Mr. Mahesh Salunkhe	Faculty	K.I.T.s College of Engineering Kolhapur, India
10.	ICCCAI_326	Price Voyage: Discover the Best Value for any purchase along with AI based Recommendation	Thangarasan T, S. Jeelani Baba, P. Veera Sai Rakesh, M. Kishore, S. Mohammad Umar	Faculty	Madanapalle Institute of Technology & Science, Andhra Pradesh,India

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Session Schedule
7th March 2024, Thursday
Oral Session V: Blockchain Technology
Venue: Tmt. Soundrabai Auditorium, SCAS
Timings:(2.00 PM – 03.30 PM)

Session Incharges: Ms.D.Deepa(96006 86847)

Ms.S.Pothumani(9843099677)
Dr.D.Deepa (9003952611)

Sl.No	Paper ID	Title of the Paper	Name of the Candidate	Category	Name of the College
1.	ICCCAI_339	Blockchain-Enabled Decentralized Trust Management and Secure Voting system	G.Nagarajan , C.Mallikarjuna Reddy, Peta Lakshmi Sudheer	Student	Sathyabama Institute of Science and Technology, Chennai, India
2.	ICCCAI_359	Blockchain-based decentralized e-marketplace A Smart Contract-Driven Framework	Deepak Arumugam S, Jenish Joris Bosco, Ms. Nancy Kirupanithi D	Student	Sathyabama Institute of Science and Technology, Chennai, India
3.	ICCCAI_363	Blockchain Voting Systems Engineer: They develop secure and transparent voting systems using blockchain technology, promoting fair and corruption-free elections.	Sarath Chandra Vundavalli, Kothapalli shanmukha Varma, Dr. A. Mohana priya	Student	Sathyabama Institute of Science and Technology, Chennai, India
4.	ICCCAI_476	Real-Time Detection of Emergency Vehicles in Traffic Using Deep ConvNet and GAN	G D C H Sai Phani Santhosh ,R.Jeberson Retna Raj, Charan Saminenapally	Student	Sathyabama Institute of Science and Technology, Chennai, India
5.	ICCCAI_233	Government Fund Allocation and Tracking System Using Blockchain	Balivada Harshitha , Basa Vasavi Varsha, Ms.R.Lalitha	Student	Sathyabama Institute of Science and Technology, Chennai, India
6.	ICCCAI_234	A Decentralized real estate system using blockchain technology	Gudiboina Hema Sree,Gunda Vijayalakshmi,Ms.R.Lalitha	Student	Sathyabama Institute of Science and Technology, Chennai, India
7.	ICCCAI_466	A Secure Ledger for Organ Donation and Transplants	Palugulla Meghana, Nikita Kumari, Mrs. M. Vanathi	Student	Sathyabama Institute of Science and Technology, Chennai, India
8.	ICCCAI_495	Product Verification Using Blockchain Technology	Dr.G.Nagarajan, Logeshwaran Ys, Arun Kumar R	Student	Sathyabama Institute of Science and Technology, Chennai, India
9.	ICCCAI_417	Synergetic Full Stack Encryption and File Chunking System	Parveen Akhther. A, Prasanth. V. S, Mullapudi Sai Karthik, Sadum Muni Tanuj	Student	Sathyabama Institute of Science and Technology, Chennai, India
10.	ICCCAI_528	Smart Campus Solutions: Voice-Driven Digital Notice Board for Real-time Information Delivery	Shreya Jerome, Prantik Karmakar, Dr. Saranya S	Student	Sathyabama Institute of Science and Technology, Chennai, India

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Session Schedule

7ᵗʰ March 2024, Thursday
Oral Session VI: Deep Learning

Venue: Design Thinking Lab, St.Paul's Block First Floor
Timings:(2.00 PM – 03.30 PM)

Session Incharges: Dr.Rajashree (94868 38080)
Dr.Jemshia Mirium (99446 49784)

Sl.No	Paper ID	Title of the Paper	Name of the Candidate	Category	Name of the College
1.	ICCCAI_145	Clickbait Detection Using Deep Learning	Yeddula Hyndhavi, Tejasri Yelisetty, P.Kabitha	Student	Sathyabama Institute of Science and Technology, Chennai, India
2.	ICCCAI_179	Road Condition Detection for Driving Vehicles Securely Using Deep Learning	Sree Varsan P, Sanjay Rajam R, Rajashree S	Student	Sathyabama Institute of Science and Technology, Chennai, India
3.	ICCCAI_185	Detection of Phishing Mail using Bidirectional LSTM	R.S.Amshavalli, Premnath J, Bhavishya Senthil, B.Gracelin Sheenakumar,	Student	Sathyabama Institute of Science and Technology, Chennai, India
4.	ICCCAI_231	Traffic sign recognition using shift-in variant 2-D convnet with flask web application using Deep Learning	S. J. S. Sravanth, G. V. M. Aditya, Dharani. V	Student	Sathyabama Institute of Science and Technology, Chennai, India
5.	ICCCAI_212	Car Damage Segmentation Using CNN	V Venkata Pavan Sai,V Maruthi Manikanta, Dr. Sankari M, Dr. Kamatchi K.S.	Student	Sathyabama Institute of Science and Technology, Chennai, India
6.	ICCCAI_219	Advanced Child Tracking System Integrating Deep Learning and Multi-Class SVM	Dr. D. Saravanan, Jagtap Faneendra Rao, Patan Sharuk Khan, Dr Arul Prakash A	Student	Sathyabama Institute of Science and Technology, Chennai, India
7.	ICCCAI_258	Multilanguage Fake News Identification System Using Ensemble Classifier	Kailas Manoj , Ankit Karmakar ,Dr. G Mathivanan	Student	Sathyabama Institute of Science and Technology, Chennai, India
8.	ICCCAI_496	User-Friendly Web Application on Warehouse Management	Vallapu Surya charan , Thoomu Dharma raju, Anto praveena, A. Christy, D.Usha Nandini	Student	Sathyabama Institute of Science and Technology, Chennai, India
9.	ICCCAI_382	Missing Person Identification Using SQL Database and Email Alert System with Facial Matching Techniques	Sathi Rama Taraka Surendra Reddy, Sasubilli Jaswanth, Dr. A. Mohana Priya	Student	Sathyabama Institute of Science and Technology, Chennai, India
10	ICCCAI_486	Panic Guardian Mobile Application	J. Refonaa, R.Sunil ,R. Siva Linga Reddy,S.L. Jany Shabu, M. Maheswari, S.Dhamodaran	Student	Sathyabama Institute of Science and Technology, Chennai, India

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Session Schedule

7th March 2024, Thursday

Oral Session VII: Deep learning/IoT

Venue: Machine Vision Lab, St. Paul's Block Second Floor

Timings:(2.00 PM – 03.30 PM)

Session Incharges: Dr.R.M.Gomathi (9940284213)

Dr.L.Sujihelen (9488389936)

Sl.No	Paper ID	Title of the Paper	Name of the Candidate	Category	Name of the College
1.	ICCCAI_334	Survey on DNN to identify best match of related donor for a HLA Haploidentical BMT A Deep Learning Approach	P.Kaliyamoorthi, Dr.R. Bhuvaneswari	Research Scholar	SRM Institute of Science and Technology, Kattankulathur
2.	ICCCAI_409	Facial Emotion Detection In Bot Interviews Using Deep Learning Algorithms	K V S Sravanth Kumar, K S S Jagannadh	Student	Sathyabama Institute of Science and Technology, Chennai, India
3.	ICCCAI_505	Pothole Detection System Using Deep Learning Techniques	Goutham.R, Humrish.G, DR.S.R.Srividhya, S.Rajashree	Student	Sathyabama Institute of Science and Technology, Chennai, India
4.	ICCCAI_445	Early detection of Parkinson's disease through Motor and Non-Motor Symptoms Using random forest algorithm.	Shaik Masood Ansari M, Shaik Amzad Patel, Dr.D.Usha Nandini	Student	Sathyabama Institute of Science and Technology, Chennai, India
5.	ICCCAI_133	Automated Underwater Drone	Dr.B.Shamreen Ahamed, Prawin Thanus Rajan Ka Prathap S	Student	Sathyabama Institute of Science and Technology, Chennai, India
6.	ICCCAI_227	Smart City Application	Ajay Kumar Reddy.CH, Yuvraj.CH, Abirami.R, Gayathri.S, Priyadharshini.S	Student	Sathyabama Institute of Science and Technology, Chennai, India
7.	ICCCAI_364	Designing and Constructing a Versatile UAV System for Cleaning Applications	P.B.Srimonchaari,Dr. K. Ashokkumar, Dr. Albert Mayan J	Student	Sathyabama Institute of Science and Technology, Chennai, India
8.	ICCCAI_388	Attendance system using Bluetooth low energy with smart wearable device	Madeshwaran Umasankar, DR.G.Nagarajan, Varunan Mozhi	Student	Sathyabama Institute of Science and Technology, Chennai, India
9.	ICCCAI_526	A Machine Learning Approach to Human Trafficking Identification And Prediction	Mohammed Saqlain, Mohammed Shees, Dr.Saranya S	Student	Sathyabama Institute of Science and Technology, Chennai, India
10.	ICCCAI_483	Harnessing Cognitive Algorithms for Flight Fare Detection	R. Lakshmi Prasanna, M. Renuka Devi,J. Refonaa,M. Maheswari,S.L. Jany Shabu, S.Dhamodaran	Student	Sathyabama Institute of Science and Technology, Chennai, India

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Session Schedule

7th March 2024, Thursday

Oral Session VIII

Venue: St.Paul's   Block   Classroom

Timings:(2.00 PM – 03.30 PM)

Session In charges: Dr.N.S.Usha

                Ms.B.Sandhya

Sl.No	Paper ID	Title of the Paper	Name of the Candidate	Category	Name of the College
1.	ICCCAI_289	Sign Language Decipherer A Hand Sign Language Detection Model	Velvizhi, R,Joseph Chiristopher N,Jerisha Beril S J	Student	Sathyabama Institute of Science and Technology, Chennai, India
2.	ICCCAI_381	A Prognostic Approach To Alleviate Range Anxiety For E -Vehicles Using Artificial Intelligence.	Kodali Sai Venkat, Karumulla Kaushik Reddy, Dr.S Prayla Shyry.	Student	Sathyabama Institute of Science and Technology, Chennai, India
3.	ICCCAI_477	Cyber Security Of Mobile Applications Using Artificial Intelligence	R. Aishwarya, Tummala Anupama, Immareddy Rohini,	Student	Sathyabama Institute of Science and Technology, Chennai, India
4.	ICCCAI_533	Patent Own Product Rights Using Nfts	Kalangi Praveen Kumar, B Uttej Reddy, Asha Judi.V	Student	Sathyabama Institute of Science and Technology, Chennai, India
5.	ICCCAI_536	Revolutionizing Credit Recommendation For Financial Institutions With Kirti's Blockchain-Based System	Ajitha Sree E , Shantha Sheela A C, Roshan J	Student	Sathyabama Institute of Science and Technology, Chennai, India
6.	ICCCAI_429	Enhanced Surveillance Operations: Integrating Radar Navigation, Boundary Visualization, And Weapon Detection Through Machine Learning	Battula Thanay Reddy, Aredla Saketh Reddy, Dr. S.Prayla Shyry	Student	Sathyabama Institute of Science and Technology, Chennai, India
7.	ICCCAI_460	Evaluation Of Rendering Strategies: Next.Js SSR Vs React.Js CSR Performance Analysis	Aryan Amish, Bandepalli Surya Anjani Kumar, A. Mary Posonia, S. Revathy	Student	Sathyabama Institute of Science and Technology, Chennai, India
8.	ICCCAI_419	A Comprehensive Human Trafficking Identification And Prediction System Using Machine Learning Techniques	Katta Jayanth Vishnu, G.Anbu Selvi, Pagadavarapu Umesh Chowdary, Subapriya V	Student	Sathyabama Institute of Science and Technology, Chennai, India
9.	ICCCAI_534	Comprehensive Career Advancement Interface	S. Prayla Shyry, Lakshmi Kanth Reddy Shubham Raj, A.	Student	Sathyabama Institute of Science and Technology, Chennai, India

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INTERNATIONAL CONFERENCE ON COGNITIVE COMPUTING AND ARTIFICIAL INTELLIGENCE (ICCCAI - 2024)

Session Schedule

7th March 2024, Thursday

Online   Mode

Timings:(1.30 PM – 03.00 PM)

Session In charges: Ms.K.Anita Davamani(9677111725)

Dr.M.Sankari(9940109992)

Sl.No	Paper ID	Title of the Paper	Name of the Candidate	Category	Name of the College
1.	ICCCAI_152	A Deep Learning based approach for Disaster Tweet Classification using Word Embeddings and LSTM	P. Kaliyamoorthi, Dr.R. Sundar, P.Palanisamy, Dr.A. Sathiyaraj, Subhasini. V	Student	Madanapalle Institute of Technology Science, Madanapalle,
2.	ICCCAI_311	Smart Classroom for Attendance Monitoring and Power Conservation Using Machine Learning and IoT	Dr. R. Sundar, T. Bharat Kumar, N.Harsha Vardhan,K. Karthik Reddy, A. Devendra	Student	Madanapalle Institute of Technology Science, Madanapalle
3.	ICCCAI_312	Detection Of Cyberbullying on social media Using Random Forest	Dr. R. Sundar, G M Pujitha,D Nethravathi, M Nikhila,M Sreedhar Reddy	Student	Madanapalle Institute of Technology Science, Madanapalle,
4.	ICCCAI_261	Building Trust, One Block at A Time: Embrace Blockchain for a Secure Future	B J Praveena, Dr.N.Arivazhagan	Student	SRM Institute of Science and Technology, Kattankulathur, India.
5.	ICCCAI_545	Strategic Decision-Making In Logistics Using SVM Optimization For Efficient And Reliable Supply Chain Management	B.Girimurugan,P.Tamilselvan,Badrinath M, Chetan Kumar k, Harivamsee,Tadikonda Sumanth	Student	Koneru Lakshmaiah Education Foundation, Vaddeswaram, A.P.
6.	ICCCAI_546	AI Influence On HR Leadership For Coaching And Recruitment	D.Praveenadevi,Lumina Julie.R,Preethi Rathore, Nagaram Deepthi,Devi Yashaswi Sammeta, Surya Perala	Student	Koneru Lakshmaiah Education Foundation, Vaddeswaram, A.P.

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Session Schedule

8ᵗʰ March 2024, Friday

Oral Session I: Artificial Intelligence/ Cloud Computing

Venue: Tmt. Soundrabai Auditorium, SCAS

Timings:(9.15 AM – 10.45 AM)

Session In charges: Ms.D.Deepa(96006 86847)

Ms   S.Pothumani(9843099677)

Dr D.Deepa (9003952611)

Sl.No	Paper ID	Title of the Paper	Name of the Candidate	Category	Name of the College
1.	ICCCAI_129	Developing an Intelligent Passenger Counting System for Bus Routes to Optimize Taxi Aggregator Recommendations.	Srihari R ,Archana R ,Leo S, Janaranjan E,Karthikeyan S p	Student	St. Joseph's institute of Technology
2.	ICCCAI_160	Locating Electric Charging Station And Allocation of slot using artificial intelligence	Ankit Jha and Arpit Kumar Jha,Dr.T.Sasikala	Student	Sathyabama Institute of Science and Technology, Chennai, India
3.	ICCCAI_173	AI Virtual Mouse Using Hand Gesture By Euclidean Algorithm	Dr. M. Nafees Muneer,Karan. p,R.Rohit	Student	Sathyabama Institute of Science and Technology, Chennai, India
4.	ICCCAI_135	Innovative Use of Noise Image for File Encryption in Cloud Computing	Tulluri Keerthinadh,Tungala Halesh, K.Sundara Velrani	Student	Sathyabama Institute of Science and Technology, Chennai, India
5.	ICCCAI_176	Extraction Of Data From Documents Using AWS Textract	N. Chetan Reddy, P. Venkatesh, Dr.S.Rajashree	Student	Sathyabama Institute of Science and Technology, Chennai, India
6.	ICCCAI_194	Python-Powered Cloud Security Hub: Collaborative Threat Intel Sharing	Shivakumar B, Sheerapthi Nath R.E, Deepa D	Student	Sathyabama Institute of Science and Technology, Chennai, India
7.	ICCCAI_271	Analysis Of Cloud Computing Security Challenges And Threats For Resolving Data Breach Issues	Chekuri Siva Venkata Pavan Raghavendra Varma , Dasappa Naidu, Abirami.R, Priyadharshini, Gayathri.S	Student	Sathyabama Institute of Science and Technology, Chennai, India
8.	ICCCAI_358	Smart Grocery expiry date reminder	G Karuna Praisey, D Yateesh,Ms.Anandhi	Student	Sathyabama Institute of Science and Technology, Chennai, India
9.	ICCCAI_396	Envisaging the patterns in Blockchain	A. Sukeerth, N S. Satyendra, Dr. Nagarajan G	Student	Sathyabama Institute of Science and Technology, Chennai, India
10.	ICCCAI_250	NexTrack : Next-Gen Attendance Monitoring with ML	Nitesh Kumar Singh, Nayan Asawa and Dr P. Ajitha	Student	Sathyabama Institute of Science and Technology, Chennai, India

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INTERNATIONAL CONFERENCE ON COGNITIVE COMPUTING AND ARTIFICIAL INTELLIGENCE (ICCCAI - 2024)

Session Schedule

8th March 2024, Friday

Oral Session II: AR-VR/Image Processing

Venue: Design Thinking Lab, St. Paul's Block First Floor

Timings:(9.15 AM – 10.45 AM)

Session Incharges: Dr Rajashree (94868 38080)

Dr Jemshia Mirium (99446 49784)

Sl.No	Paper ID	Title of the Paper	Name of the Candidate	Category	Name of the College
1.	ICCCAI_323	Design and Implementation of an Immersive Virtual Reality Game Using Advanced Graphics Techniques	Albert Jacob, Ark Arya, A.Sivasangari	Student	Sathyabama Institute of Science and Technology, Chennai, India
2.	ICCCAI_177	Automatic License Plate Recognition System (ALPR) using Enhanced Image Processing Techniques for Criminal Surveillance	Pawann kalyan R, Kavindraa G.S.S, S.Rajashree	Student	Sathyabama Institute of Science and Technology, Chennai, India
3.	ICCCAI_237	Enhancing Public Safety: Criminal Identification system Through Distributed CCTV Photo Matching	Nama Vivek, Pillivuttla Sai Prasanna, Dr.B.U. Anu Barathi	Student	Sathyabama Institute of Science and Technology, Chennai, India
4.	ICCCAI_242	Real Time Vehicle Collision Detection Using Bounding Box Methodology With Alert System	Pilla Sai Phanindra Srinivasa Dharahas , Behara Mohith, V Saranya	Student	Sathyabama Institute of Science and Technology, Chennai, India
5.	ICCCAI_259	Empowering Parents To Navigate The Digital Landscape	P. Rohithkumar. A, Paritosh A ,M.Sreekrishna	Student	Sathyabama Institute of Science and Technology, Chennai, India
6.	ICCCAI_300	Stealth and Security : Exploring Multimedia Steganography	Rishav Agrawal, Bharti Singh, A. Sivasangari, D. Ramalakshmi	Student	Sathyabama Institute of Science and Technology, Chennai, India
7.	ICCCAI_420	Eyes on the Road: Unleashing the Power of Autonomous Vehicles with Cameras	Gowtham M , Geetheshwar R , Dr.Srividhya.S.R, Dr.R. Rajalakshmi	Student	Sathyabama Institute of Science and Technology, Chennai, India
8.	ICCCAI_410	Face Recognition Attendance System with Voice Assistance using Data science	Kunku madhu,Katta jaya durga prasad, Dr.S.Supriya	Student	Sathyabama Institute of Science and Technology, Chennai, India
9.	ICCCAI_403	Lung Cancer Detection Using Machine Learning	T. Gopal, J. Prasanna Lakshmi, A. Parveen Akhther, V.S. Prasanth	Student	Sathyabama Institute of Science and Technology, Chennai, India
10.	ICCCAI_506	Disaster Relief Strategist Bot using Blockchain	Vijay Srinivasan M, Srijith B	Student	Sathyabama Institute of Science and Technology, Chennai, India

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INTERNATIONAL CONFERENCE ON COGNITIVE COMPUTING AND ARTIFICIAL INTELLIGENCE (ICCCAI - 2024)

Session Schedule

8th March 2024, Friday

Oral Session III: Network Security

Venue: Machine Vision Lab, St. Paul's Block Second Floor
Timings:(9.15 AM – 10.45 AM)

Session Incharges: Dr.R.M.Gomathi (9940284213)
Dr.LSujihelen (9488389936)

Sl.No	Paper ID	Title of the Paper	Name of the Candidate	Category	Name of the College
1.	ICCCAI_155	Unveiling The Hidden Threat: Exploring WiFi Vulnerabilities.	Reshma P, Sushmitha R, Dr.L. Lakshmanan	Student	Sathyabama Institute of Science and Technology, Chennai, India.
2.	ICCCAI_158	Forensic Face Sketch Construction and Recognition	Akash Priyadarshi, Abhinav Prasad, T.Sasikala	Student	Sathyabama Institute of Science and Technology, Chennai, India.
3.	ICCCAI_149	Fuzzy Based Geo-Spatial Crime Category Prediction For Crime Mapping	Nagulapati Murali Krishna, Mullamuri Mahendra, R Sundar	Student	Sathyabama Institute of Science and Technology, Chennai, India.
4.	ICCCAI_200	Secure And Efficient Encoding Scheme Using Elliptic Curve	Hari Thoram,V.S.R.Rishyendra,Dr. M. Nafees Muneera	Student	Sathyabama Institute of Science and Technology, Chennai, India.
5.	ICCCAI_222	Enhanced Multi Layered Authentication And User Profile Management System	Selsya Jenifer L, Felishia Selas C, MS.Ramalakshmi D	Student	Sathyabama Institute of Science and Technology, Chennai, India
6.	ICCCAI_218	Advanced Authentication System: A Secure Authentication Methodology Incorporating Face and Text Passwords, Image Password Grids, Sensitive Information Retrieval, and Login Activity Tracking with Efficient Database Connection	Dr. D. Saravanan, Singirikonda Umesh, Polam Naga Nooka Raju, S. Vignesh	Student	Sathyabama Institute of Science and Technology, Chennai, India
7.	ICCCAI_161	Implementing a Hierarchical Two-Tier and Three-Tier File Encryption System within a Cloud Computing Architecture: A Security Approach	Marella Manoj,R.Aroul Canessane,V. Vinnai Chand	Student	Sathyabama Institute of Science and Technology, Chennai, India
8.	ICCCAI_366	Swindling Detection in Banking Sector	Maria Mystica Abraham,Akshvin Vinod	Student	Sathyabama Institute of Science and Technology, Chennai, India
9.	ICCCAI_523	Robust Vehicle Speed Estimation with Haar Cascades for Efficient Traffic Management	Dr.N Kanimozhi, Kush Bhargav Sah, Bergin Prem Y	Faculty	SRM Institute of Science and Technology
10.	ICCCAI_385	Disaster relief strategists	Dontiboyina Yaswanth, Komati Dileep, Mrs.S.Pothumani	Student	Sathyabama Institute of Science and Technology, Chennai, India

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Session Schedule

8th March 2024, Friday

Oral Session IV: Machine Learning

Venue: Tmt. Soundrabai Auditorium, SCAS

Timings:(11.00AM – 01.00 PM)

Session Incharges: :Ms.D.Deepa(96006 86847)

Ms   S.Pothumani(9843099677)

Dr D.Deepa (9003952611)

Sl.No	Paper ID	Title of the Paper	Name of the Candidate	Category	Name of the College
1.	ICCCAI_106	Leveraging machine learning algorithms to forecast the development of prostate cancer	Dr. K. Anbazhagan, Dr.T. Sangeetha, Dr. V. Sheejakumari, Dr. S. Nanthini, Dr. G. Venniraselvi	Faculty	Saveetha School of Engineering, Simats,Chennai
2.	ICCCAI_125	Drowsiness Detection System Using Machine Learning and Image Processing	Krishna Priya. R. S, Divyadharsini. P. S, Dr. K. Sundara Velrani	Student	Sathyabama Institute of Science and Technology, Chennai, India
3.	ICCCAI_128	Fake News Detection on Twitter: Machine Learning	Om Khobragade, Himanshu Kumar, Dr. D.Adhimuga Sivasakthi	Student	Sathyabama Institute of Science and Technology, Chennai, India
4.	ICCCAI_141	Smart Traffic Monitoring System Using YOLO	Cheruku Nithesh Reddy, Nalla Uday Kiran, Dr.D. Adhimuga Sivasakthi.	Student	Sathyabama Institute of Science and Technology, Chennai, India
5.	ICCCAI_193	Travel Sentinel: Empowering Safe Journeys with Real-Time Accident Updates, Weather Alerts	Cheedella Jaswanth Pavan Kumar, Chilla Jaya Sankar Naidu, Kalairasi G, M.selvi, R.yogitha	Student	Sathyabama Institute of Science and Technology, Chennai, India
6.	ICCCAI_195	Spam Detection on Social Networking Sites Using Machine Learning	K. Yugandhar,Purushotham Raju Adapa, Dr. M. Nafees Muneera	Student	Sathyabama Institute of Science and Technology, Chennai, India
7.	ICCCAI_197	Indian Sign Language Detection using Sklearn Classification Techniques	Gunturu Uday, P G Gireesh, Dr. A. Christy	Student	Sathyabama Institute of Science and Technology, Chennai, India
8.	ICCCAI_374	Enhancing supply chain management by using Blockchain Technology	P Deepak Chowdary, Gabburi Nirmal, S. Pothumani	Student	Sathyabama Institute of Science and Technology, Chennai, India
9.	ICCCAI_415	Credit Card Fraud Detection System Using Machine Learning	Ankur Sarkar, Anish Prasad	Student	Sathyabama Institute of Science and Technology, Chennai, India
10.	ICCCAI_443	Seed Phrase Encryption and Decryption and Text to Image Encoding of Octal Representation	M Karthik , A Sherline Sheela, M Sree Krishna	Student	Sathyabama Institute of Science and Technology, Chennai, India

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Session Schedule

8ᵗʰ March 2024, Friday
Oral Session VI: Machine Learning

Venue: Design Thinking Lab, St. Paul's Block First Floor Timings:(
11.00 AM – 01.00 PM)

Session Incharges: Dr Rajashree (94868 38080)
Dr Jemshia Mirium (99446 49784)

Sl.No	Paper ID	Title of the Paper	Name of the Candidate	Category	Name of the College
1.	ICCCAI_221	Missing Persons Identification Using SQL Database and Email Alert System with Facial Matching Techniques	Venkata Varshitha Poornima Somisetty, Sai Ram Kolipaka, Dr. Gowri. S	Student	Sathyabama Institute of Science and Technology, Chennai, India
2.	ICCCAI_201	A Comparative Study on Chronic Kidney Cancer Prediction Using Supervised Machine Learning Algorithms	Vegi Sai Sri Lakshmi Gayathri, Dr.Sivasangari	Student	Sathyabama Institute of Science and Technology, Chennai, India
3.	ICCCAI_205	Cardio Sentinel Prognosticator Using Ml	Arul Prakash A, Raveen, Rahul	Student	Sathyabama Institute of Science and Technology, Chennai, India
4.	ICCCAI_238	Translation Of Sign Language with Support for Individuals with Vocal Challenges	Simhadri Sai Santosh Deepak, Ram Sagar Reddi, Dr. B. U. Anu Barathi	Student	Sathyabama Institute of Science and Technology, Chennai, India
5.	ICCCAI_216	Google Play Store Stolen Mobile Application Screening Using Decision Tree	Dr. D. Saravanan, Thangirala Dinesh Reddy, Ronda Thulasi, Rahin Batcha R	Student	Sathyabama Institute of Science and Technology, Chennai, India
6.	ICCCAI_252	Implementation Of Women Security and Reporting	Chintala Hemanth Kumar, Chillamanda Vinay, Ms.K. Dhanalakshmi	Student	Sathyabama Institute of Science and Technology, Chennai, India
7.	ICCCAI_287	Automatic Modulation Classification and Performance Analysis Under AWGN Using Machine Learning In Cognitive Radio	Dr.M.Meena, Binolisha.V, Trishna Mandal	Student	Vels Institute of Science, Technology & Advanced Studies (VISTAS), Chennai, India
8.	ICCCAI_299	Plagiarism Detection Using Machine Learning Approach In Scientific Papers	Siddhartha Reddy, Karthik Reddy, Dr. Siva Sangari A	Student	Sathyabama Institute of Science and Technology, Chennai, India
9.	ICCCAI_487	E-Commerce Personalization through StellarGraph-Powered Graph Neural Networks	Kanimozhi N, Parth Katiyar, Affaan Kidwai	Student	SRM Institute of Science and Technology, Kattankulathur. Chennai
10.	ICCCAI_468	AI powered trauma chat assistance	Girish, Nikhil, Parveen Akhter, Prasanth. V. S,	Student	Sathyabama Institute of Science and Technology, Chennai, India

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8th March 2024, Friday
Oral Session VII: Deep learning/IoT

Venue: Machine Vision Lab, St. Paul's Block Second Floor
Timings:(11.00 AM – 01.00 PM)

Session Incharges: Dr.R.M.Gomathi (9940284213)
Dr.L.Sujihelen (9488389936)

Sl.No	Paper ID	Title of the Paper	Name of the Candidate	Category	Name of the College
1.	ICCCAI_537	AI- Powered Course recommendation for Students using natural language understanding	Dhavuluri Nikhitha, Ayanambakkam Dakshitha, Dr. N. Nanthini	Student	Sathyabama Institute of Science and Technology, Chennai, India
2.	ICCCAI_343	Intrusion Alerting System Using Machine Learning	Shubham Chowdhury, Shubham Kumar, V.Vaissnave	Student	Sathyabama Institute of Science and Technology, Chennai, India
3.	ICCCAI_355	Steel Anomaly Detection Using Semantic Segmentation	Samhitha.C,Aakash Karthik. Kb, Mrs.Gowri	Student	Sathyabama Institute of Science and Technology, Chennai, India
4.	ICCCAI_138	An Aggregation-Based Privacy Approach for Enhanced Fair Resource and Load Allocation in A Network Using Federated Learning	Sandeep Dasari, Rajesh Kaluri	Student	Vellore Institute of Technology Vellore
5.	ICCCAI_144	Multistage Partial Homomorphic Encryption	Swarna Krishnapriya, Munumuri Chaithra, Ms.Kabitha	Student	Sathyabama Institute of Science and Technology, Chennai, India
6.	ICCCAI_156	Enhancing Source Location Privacy in Wireless Sensor Networks Through Multi-Slinks	Kanugula Sharath Chandra, Kanugula Karthikeya, T. Sasikala	Student	Sathyabama Institute of Science and Technology, Chennai, India
7.	ICCCAI_157	Virtual Private Network and the Onion Router Traffic Detection System Using Hybrid Machine Learning and Deep Learning Techniques	Gedela Niteesh Kumar , Kumar Naga Sai Siva Shankar Ganireddi, T. Sasikala	Student	Sathyabama Institute of Science and Technology, Chennai, India
8.	ICCCAI_228	Designing a Secure and Robust Virtual Private Network (VPN) Framework for Enhanced Network Communication Protection.	Dr.A.Sivasangari,Vutukuri.Divya Vardhini, Palepu Akshay Kumar	Student	Sathyabama Institute of Science and Technology, Chennai, India
9.	ICCCAI_230	Fortifying Financial Security: Unveiling Advanced Anti-Fraud Systems for Robust Safety Nets	S.N.V.S.SAI NAIDU Sappa Satyaharsha Dr.A.Deepa Nagarajan	Student	Sathyabama Institute of Science and Technology, Chennai, India
10.	ICCCAI_440	Decentralized E-commerce Marketplace	Dr. R. M. Gomathi, Shivam Chandra, Mohammed Umar	Student	Sathyabama Institute of Science and Technology, Chennai, India

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Session Schedule

8ᵗʰ March 2024, Friday

Online   Mode

Timings:(9.15AM – 11.15AM)

Session Incharges:

Ms.K.Anita   Davamani(9677111725)

Dr.M.Sankari(9940109992)

Sl.No	Paper Id	Title of the Paper	Name of the Candidate	Category	Name of the College
1.	ICCCAI_554	Intelligent Game-Based Simulation in Cyber Security Awareness For Tweens/Preadolescents	Basheer Riskhan, Muhammad Talha Saleem, Khalid Hussain, Fatima Tuz Zahra, Raja Kumar Murgasen3	Faculty	Taylor's University
2.	ICCCAI_555	An Analysis of English Language Proficiency: Collecting Comprehensive Data On English Learners And The Best Ways To Improve English Language Proficiency	Navid Ali Khan,Mirza Qurat Ul Ain Zam Zam,Humaira Ashraf,Zhang Zikang	Faculty	Taylor's University
3.	ICCCAI_556	Major Vulnerabilities Of Web Application In Real World Scenarios And Their Prevention	Basheer Riskhan, Md Amin Ullah Sheikh, Md Shakil Hossain, Khalid Hussain Ieee Member, Fatima Tuz Zahra3, Raja Kumar Murgesan3	Faculty	Taylor's University
4.	ICCCAI_557	Easydobi: Mobile Application For Self-Service Launderette	Husna Sarirah Husin ,Siti Nabilah Mohd Hanafi,Suriana Ismail	Faculty	Taylor's University
5.	ICCCAI_558	A Digital Signatures Based Cybersecurity Model	Muhammad Tayyab ,Syeda Mariam Muzammal,N. Z. Jhanjhi,Sayan Kumar Ray,Humaira Ashraf,Fatima Tuz Zahra	Faculty	Taylor's University
6.	ICCCAI_559	Ai-Based Web Application for Environmental Pollution Monitoring	Humaira Arshad, Chen Yinyun,Xu Longfei,Yu Zhou,Uswa Ihsan	Faculty	Taylor's University
7.	ICCCAI_560	Diabetes Detection Framework For Imbalanced Data Via Explainable Machine Learning	Sayan Kumar Ray,Danish Javed ,N Z Jhanjhi,Dr. Navid Ali Khan,Farzeen Ashfaq,Shampa Rani Das	Faculty	Taylor's University
8.	ICCCAI_561	IoT Accident Detection System	Sumathi Balakrishnan ,Ooi Jun Quan ,Wan Hassmin Binti Wan Hassan,Lee Pei Jun,Kimberly Villacrusis Concepcion,Adrian Thong Kah Hoe	Faculty	Taylor's University

Session Schedule

9.	ICCCAI_562	Detection Of Ventricular Late Potential from Electrocardiogram Using Machine Learning Approach	Sobia Yousaf,Ruqia Bibi,Saiqa Anjum, Hira Waseem,Nz Jhanjhi,Syeda Mariam Muzammal ,Muhammad Tayyab	Faculty	Taylor's University
10.	ICCCAI_563	Help'em: Web-Based Volunteering Management System For Applying And Managing Voluntary Work In Malaysia	Husna Sarirah Husin ,Sharifah Nurul Fatihah Wan Ashhar ,Suriana Ismail	Faculty	Taylor's University
11.	ICCCAI_564	Bridging The Gap Between Ai And Medical Education: Current Implications And Future Perspectives	Anitha Ponnupillai, Benjamin Samraj Prakash Earnest, Priya Madhavan, Khine Pwint Phyu, Lim Yin Sear, Dr. P.Ajitha	Faculty	Taylor's University
12.	ICCCAI_538	Student Feedback on Technology Enhanced Learning During Covid-19 Pandemic In The First Internal Medicine Clinical Postings Of MBBS Program	Benjamin Samraj Prakash Earnest, Su Yin Lim , Anitha Ponnupillai, Prabal Bhargava, Gnandev Phutane, Win Min Thien, P.Ajitha	Faculty	Taylor's University

Networking and Collaboration Opportunities

ICCCAI-2024 provides an excellent platform for researchers, academicians, industry professionals, and students to engage in networking and collaboration. The event encourages meaningful interactions and partnerships that can drive future advancements in **Cognitive Computing** and **Artificial Intelligence**. Below are some key opportunities and notable collaborations:

1. Networking Opportunities

- **Social Events and Receptions:**
  - Informal networking events such as **welcome receptions** and **networking lunches** provide opportunities to meet and discuss research interests in a relaxed environment. These events foster open communication and encourage the exchange of ideas.
- **Technical Sessions and Panel Discussions:**
  - Participants can network during Q&A sessions and panel discussions where they engage with keynote speakers, session leaders, and fellow attendees. This is a great way to ask questions, share insights, and explore common research interests.
- **Poster and Exhibition Sessions:**
  - Researchers presenting posters on their work can interact directly with attendees, leading to in-depth discussions on specific topics of interest. Exhibitions showcasing AI tools, platforms, and software also provide a chance for attendees to explore the latest technologies and establish potential collaborations.
- **Collaborative Workshops:**
  - Specialized workshops on topics like **quantum AI**, **AI ethics**, or **machine learning applications** provide hands-on opportunities for researchers and professionals to learn from each other, exchange ideas, and form collaborative research teams.

2. Notable Collaborations and Partnerships Formed

- **University Partnerships:**
  - Researchers from **Taylor's University, Malaysia** and **Sathyabama Institute of Science and Technology, India** were able to establish formal academic partnerships for joint research in areas like **Quantum AI** and **Cognitive Computing**.
  - Discussions about setting up collaborative labs and exchange programs for students and faculty to explore AI technologies in different cultural and academic environments were initiated.
- **Industry-Academic Collaborations:**
  - Leading AI companies such as **InnovateAI Solutions** and academic institutions like **MIT** have discussed ongoing and future partnerships in **AI-driven healthcare solutions**. These collaborations aim to combine cutting-edge

academic research with real-world applications in the medical field, such as **AI-based diagnostics** and **personalized treatment plans**.

- **Cross-National Research Initiatives:**
  - Attendees from institutions in the **USA**, **UK**, **India**, and **Singapore** discussed creating a **global AI research consortium**. This initiative will focus on developing **sustainable AI solutions** in the areas of **climate change**, **energy management**, and **environmental protection**.
- **Startups and Academic Institutions Collaboration:**
  - **AI startups** showcased their technologies in areas like **robotics**, **NLP**, and **smart cities** and found collaborative opportunities with academic researchers. These collaborations aim to **test and refine AI models** in real-world environments, bridging the gap between **theoretical AI research** and **practical AI solutions**.

3. Benefits of Networking and Collaboration

- **Research Funding and Grant Opportunities:**
  - Networking with industry professionals and government representatives opened doors to potential funding opportunities for collaborative research projects. Partnerships formed during the event are expected to apply for joint **research grants** in **AI applications** for sectors like **healthcare**, **smart cities**, and **sustainable technology**.
- **Cross-disciplinary Collaboration:**
  - The event provided a unique opportunity for participants to work across disciplines, especially in fields like **AI ethics**, **robotics**, and **data privacy**, where input from experts in law, sociology, and engineering was crucial. The blend of diverse expertise created strong interdisciplinary research teams.
- **Knowledge Exchange and Innovation:**
  - Researchers had the chance to learn from each other's successes and failures, particularly in the application of **AI technologies** across different industries. This exchange is crucial for driving innovation and pushing the boundaries of what AI can achieve.
- **Future Conference and Symposium Planning:**
  - Attendees discussed the possibility of organizing follow-up events, such as webinars, workshops, and symposiums focused on emerging areas like **AI in healthcare** and **Quantum AI**, further solidifying collaborations formed at ICCCAI-2024.

Outcomes and Conclusions

Outcomes of ICCCAI-2024

The **International Conference on Cognitive Computing and Artificial Intelligence (ICCCAI-2024)** achieved several notable outcomes that will shape the future of research and

development in **AI** and **Cognitive Computing**. These outcomes reflect the conference's impact on advancing knowledge, fostering collaborations, and addressing key challenges in the field.

1. Strengthening Research Collaboration

- **Cross-border   Academic   Partnerships**:
  Researchers from **different countries**, including **India**, **Malaysia**, the **USA**, and **the UK**, established collaborative research initiatives focused on areas like **quantum AI**, **robotics**, and **AI ethics**. These partnerships are set to result in joint research publications, project proposals, and exchange programs, further advancing AI technologies on a global scale.
- **Industry-Academic   Synergy**:
  Collaboration between **leading AI companies** and **academic institutions** led to the exploration of real-world applications of AI research. Key collaborations in **healthcare AI**, **smart cities**, and **robotics** are expected to accelerate the development and deployment of AI-driven solutions in these sectors.

2. Highlighting Emerging AI Trends

- **Quantum AI Integration**:
  The event highlighted the ongoing research into **quantum computing**'s role in enhancing AI algorithms. As AI and quantum computing intersect, new methodologies and computational frameworks will likely emerge, accelerating research in fields such as **drug discovery**, **financial modeling**, and **cryptography**.
- **AI in Healthcare**:
  The conference underscored the transformative potential of AI in **personalized medicine**, **AI-driven diagnostics**, and **robot-assisted surgeries**. Collaborative efforts between AI experts and healthcare providers aim to enhance the accuracy, speed, and accessibility of medical services, particularly in **under-served areas**.

3. Ethical AI Development

- **Addressing Bias and Fairness**:
  Ethical discussions at ICCCAI-2024 emphasized the need for AI systems that are fair, transparent, and free from bias. Researchers and policymakers are collaborating on **AI fairness frameworks** and **bias mitigation strategies** to ensure that AI technologies serve diverse populations equitably. This outcome is particularly relevant for industries like **finance**, **education**, and **criminal justice**, where algorithmic bias can have significant societal consequences.

- **Regulation and Governance**:
  A key outcome was the **call for AI regulations** that ensure ethical use and development of AI systems. Future collaborative efforts will focus on creating **international guidelines** for **AI governance**, addressing issues like **data privacy**, **accountability**, and **AI explainability**.

4. Real-World AI Applications

- **Smart Cities and Sustainability**:
  The conference brought attention to **AI's role in building smart cities** and addressing global sustainability challenges. Presentations focused on **AI-driven solutions** in **urban planning**, **energy optimization**, and **environmental monitoring**. Collaborative initiatives are expected to further develop AI systems that help **optimize traffic flow**, **reduce energy consumption**, and **improve waste management**.
- **Robotics and Automation**:
  Robotics emerged as a major theme, with a focus on AI-driven **autonomous systems** for applications ranging from **self-driving cars** to **intelligent manufacturing**. These systems are poised to revolutionize industries by improving efficiency, safety, and productivity. Notable collaborations aim to advance AI integration into **robotic process automation** (RPA) in sectors such as **logistics**, **healthcare**, and **manufacturing**.

5. Strengthened AI Ecosystem

- **Workshops and Training Sessions**:
  ICCCAI-2024 organized several **workshops** and **hands-on training sessions** that facilitated **knowledge transfer** between academic researchers, industry practitioners, and students. These sessions helped attendees stay current with the latest AI technologies and methodologies, strengthening the global **AI ecosystem**.
- **AI Talent Development**:
  The event provided a platform for young researchers and students to showcase their work and interact with senior experts. **Internships** and **collaborative research projects** discussed during the conference offer opportunities for **talent development**, ensuring that future AI professionals are well-equipped to handle emerging challenges in the field.

6. Policy Influence

- **AI Policy Recommendations**:
  The conference included discussions on **AI policies**, emphasizing the need for governments to create frameworks that enable AI innovation while ensuring public safety and privacy. Policy experts collaborated with AI researchers to create actionable

recommendations for governments worldwide to foster AI development in an ethical and sustainable manner.

Conference Contribution to the Field

1. **Advancing Knowledge in Cognitive Computing and AI**:
   ICCCAI-2024 provided a comprehensive platform for the dissemination of cutting-edge research in Cognitive Computing and AI. Attendees shared their latest findings on **quantum AI**, **machine learning**, **natural language processing**, **reinforcement learning**, and more. The conference facilitated a deep dive into how these technologies are being applied across various sectors such as **healthcare**, **finance**, **smart cities**, and **environmental sustainability**.
2. **Cross-Industry Collaborations**:
   One of the conference's key achievements was fostering collaboration between **academia**, **industry**, and **government** representatives. These partnerships are expected to drive **real-world AI applications**, particularly in areas like **AI-driven diagnostics**, **robotics**, and **AI in climate change**. The discussions set the stage for future joint research projects, focusing on translating theoretical advancements into tangible solutions.
3. **AI Ethics and Governance**:
   The event addressed the **ethical challenges** associated with the widespread deployment of AI, particularly in areas like **data privacy**, **bias reduction**, and **transparency in decision-making**. Experts emphasized the need for developing clear **AI regulations** and **governance models** to ensure responsible and ethical use of AI technologies, which are crucial for maintaining public trust and societal benefits.
4. **Impact of AI on Global Issues**:
   ICCCAI-2024 underscored the **transformative potential** of AI to address global challenges such as **healthcare accessibility**, **climate change**, and **economic development**. Presentations focused on AI's role in creating **sustainable solutions** for industries and societies, with real-world case studies demonstrating how AI is already making a positive impact on various sectors.

Future Directions and Trends Highlighted During the Event

1. **AI and Quantum Computing Integration**:
   One of the most exciting trends discussed at the conference was the **integration of AI and quantum computing**. Researchers highlighted the potential for quantum computing to exponentially speed up AI algorithms, especially in complex fields like **drug discovery** and **financial modeling**. While practical applications are still in the early stages, the future looks promising, with significant progress expected in the next decade.
2. **AI in Healthcare and Personalized Medicine**:
   AI's role in **healthcare** was a major focus at ICCCAI-2024, with an emphasis on

personalized medicine, **predictive diagnostics**, and **AI-driven drug discovery**. The event showcased AI's ability to tailor medical treatments to individual needs, offering hope for more effective and targeted therapies. Future developments in AI are expected to continue revolutionizing **precision medicine**, improving patient outcomes and optimizing healthcare delivery.

3. **Ethical AI Development**:
   A recurring theme was the need for **ethical AI development** that ensures fairness, transparency, and accountability. Experts highlighted the growing importance of addressing **AI biases**, particularly in sensitive areas such as **hiring**, **law enforcement**, and **credit scoring**. The future will see increasing efforts to develop AI models that are both **fair and explainable**, with organizations working to create **ethical guidelines** and **regulatory frameworks**.

4. **Human-AI Collaboration**:
   The future of AI is likely to be centered around **collaborative systems** rather than fully autonomous machines. Keynote speakers discussed how AI can augment human capabilities by enhancing decision-making processes and improving productivity across industries. The trend is moving towards systems where **AI acts as a partner** to human expertise, helping people achieve better outcomes in various fields, from **education** to **business**.

5. **AI for Sustainability and Environmental Protection**:
   AI's role in **sustainability** and **environmental conservation** emerged as a major trend. Presentations discussed AI's potential to optimize energy usage, reduce waste, and enhance the effectiveness of **climate change mitigation** strategies. The future of AI in this area includes **smart grids**, **predictive climate modeling**, and **AI-powered environmental monitoring** systems that help identify and reduce pollution.

6. **Autonomous Systems and Robotics**:
   The development of **autonomous systems** and **AI-powered robotics** is expected to accelerate in the coming years. ICCCAI-2024 showcased advancements in **self-driving cars**, **robotic process automation**, and **intelligent manufacturing systems**. The trend is moving towards smarter, more adaptable robots that can work alongside humans in a wide variety of environments, including manufacturing, healthcare, and space exploration.

7. **AI and Human-Centric Design**:
   Future AI systems will focus on **human-centric design**, ensuring that machines are developed to understand and respond to human needs, emotions, and behavior. The integration of **empathy** and **emotional intelligence** in AI systems will enhance their ability to engage meaningfully with humans, particularly in fields like **mental health care**, **elder care**, and **customer service**.

Conclusion

ICCCAI-2024 was a landmark event in the journey of **Cognitive Computing** and **Artificial Intelligence**, offering valuable insights into the latest trends and challenges in these transformative fields. The conference demonstrated AI's immense potential to address global

challenges and improve industries, while also highlighting the need for responsible, ethical development.

As AI technologies continue to evolve, future trends such as the integration of **quantum computing**, **ethical AI**, **human-AI collaboration**, and **AI-driven sustainability** will shape the next phase of innovation. Researchers, industry professionals, and policymakers must continue to collaborate to ensure that AI serves humanity's best interests while minimizing risks and ethical concerns.

ICCCAI-2024 has laid the groundwork for these exciting advancements, setting the stage for the future of intelligent systems that will define the next generation of AI technologies.

SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
CATEGORY-1 DEEMED TO BE UNIVERSITY
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INTERNATIONAL CONFERENCE

ON

COGNITIVE COMPUTING AND AI

ICCCAI-2024

IN ASSOCIATION WITH

TAYLOR'S UNIVERSITY, MALAYSIA

CONFERENCE THEMES:
- Artificial Intelligence
- Machine Vision
- Computing and Networking
- Ambient Intelligence
- Technology Trends
- E-Learning
- Cognitive Computing

Publication Details:

All the Accepted papers will be published in Proceedings and extended manuscripts will be Published in SCOPUS/SCI/SCI-E indexing Journal /Proceedings/Books based on the Scope of the Paper with the relevance of Journal based on Authors concerns and requirements.

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Dr.R.M.Gomathi, Associate. Professor, Dept. of CSE
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IMPORTANT DATES:

Paper Submission: 25th December, 2023
Intimation of Acceptance: 10th January, 2024
Submission of Camera-Ready Paper: 25th January, 2024
Early Bird Registration: 5th February, 2024
Last Date for Registration: 20th February, 2024
Conference Dates: 7th- 8th March, 2024

Category	Registration Fee
Research Scholar/ Students	INR 9,500
Scientist/Academicians/ Industry Participants	INR 10,000
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Please mail your original manuscript mentioning your name, contact details and e-mail ID to
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ICCCAI-2024 SPEAKERS

Dr. Sim Yee Wai
Head of School-School of Engineering
Taylor's University, Malaysia

Dr. Swee King Phang,
Senior Lecturer,
Taylor's University, Malaysia.

Dr. Raja Kumar Murugesan
Assoc. Professor, Head of Research
Faculty-Innovation and Technology,
Taylor's University, Malaysia

Dr. Afizan Azman
Assoc. Professor, Director-Impact Lab
Digital Innovation & Smart Society,
Taylor's University,Malaysia

Dr. Sayan Kumar Ray
Head, Assoc. Professor-School of
Computer Science, Taylor's University,
Malaysia.

Dr. Deepak Mishra
Professor & Head, Dept. of Avionics,
IIST, Trivandrum.

Dr. Pethuru Raj
Chief Architect and Vice President, SRB Division,
Reliance JioInfocomm. Ltd. Bangalore,India.

Dr. Adithya Pothan Raj V
Lead Architect – Technology
CTS, Canada

Dr. D Nagesh Kumar
Professor, Dept. of Civil Engineering
Indian Institute of Science, Bangalore

Dr.Sheeba Rani J
Department of Avionics,
IIST, Trivandrum

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SCHOOL OF COMPUTING
Department of Computer Science and Engineering
International Conference on Cognitive Computing & Artificial Intelligence
(ICCCAI-2024)

PROGRAM SCHEDULE

7th MARCH 2024, THURSDAY (DAY-1)

Inaugural Function (Tmt. Soundrabai Auditorium, SCAS) 10.00 AM – 11:15 AM

WELCOME ADDRESS	CONFERENCE HIGHLIGHTS	INAGURAL ADDRESS	PRESIDENTIAL ADDRESS	KEY NOTE ADDRESS	PLENARY TALK
Dr. T. Sasikala Dean, School of Computing Sathyabama Institute of Science and Technology	**Dr. L. Lakshmanan** HoD, Dept of CSE Sathyabama Institute of Science and Technology	**Dr. B. Bharathi** Dean, Academics Sathyabama Institute of Science and Technology	Dr. T. Sasipraba Vice Chancellor, Sathyabama Institute of Science and Technology	**Dr. Ts. Chockalingam Aravind Vaithilingam** Director- Clean Technology Impact Lab, Taylor's University, Malaysia	**Dr Sayan Kumar Ray** Head of School of Computer Science, Taylor's University, Malaysia

TEA BREAK: 11:15 AM -11:30 AM

ORAL SESSIONS: 11:30 AM -1:00 PM

Venue: 1 (Tmt. Soundrabai Auditorium, SCAS)	Venue: 2 (Design Thinking Lab, St. Paul's Block First Floor)
Oral Session – 1 **Invited Talk & Session Chair: Dr Raja Kumar Murugesan** Head of Research for the Faculty of Innovation and Technology, Taylor's University, Malaysia.	Oral Session – 2 **Invited Talk & Session Chair: Dr.Deepak Mishra** Professor & Head, Department of Avionics, Indian Institute of Space Science and Technology, Trivandrum
Venue:3 (Machine Vision Lab, St. Paul's Block Second Floor)	Venue: 4 (Online Mode – Board Room, St Paul's Block First Floor)

Oral Session –3	Oral Session – 4
Invited Talk & Session Chair: Dr. Minu R I Professor,Department of Computing Technologies, SRM College of Engineering & Technology, Kattankulathur - Chennai	**Invited Talk &Session Chair: Dr. Sheeba Rani J** Department of Avionics, Indian Institute of Space Science and Technology, Trivandrum, India.

LUNCH – 1:00 PM – 1:30 PM

WORKSHOP (1.30 PM- 3.00 PM) – Venue: Web 3.0 Lab, St.Paul's Block Third Floor

Dr. Afizan Azman

Associate Professor, Director for Impact Lab Digital Innovation & Smart Society at Taylor's University, Malaysia.

Title: "Empowering Enterprises: Integrating Machine Learning for Business Success"

ORAL SESSIONS: (1.30 PM – 3.00 PM)

Venue: 1 (Tmt. Soundara Bhai Auditorium, SCAS)	Venue: 2 (Design Thinking Lab, St. Paul's Block First Floor)
Oral Session – 1 **Invited Talk & Session Chair: Dr Raja Kumar Murugesan** Head of Research for the Faculty of Innovation and Technology, Taylor's University, Malaysia.	**Oral Session – 2** **Invited Talk & Session Chair: Dr. Swee King Phang,** Senior Lecturer, Taylor's University, Malaysia
Venue: 3 (Machine Vision Lab, St. Paul's Block Second Floor)	Venue: 4 (Online Mode – Board Room, St Paul's Block First Floor)
Oral Session – 3 **Invited Talk & Session Chair: Dr. Ts. Chockalingam Aravind Vaithilingam** Director- Clean Technology Impact Lab, Taylor's University, Malaysia	**Oral Session – 4** **Invited Talk & Session Chair Dr. Harilaos Koumaras** Research Assistant Professor,IIT,Greece

8th MARCH 2024, FRIDAY (DAY-2)

WORKSHOP (9.30 AM- 11.15 AM) - Venue: Web 3.0 Lab, St.Paul's Block Third Floor

Dr. Swee King Phang

Senior Lecturer, Taylor's University, Malaysia.

Title: UAV Fundamental and Design

ORAL SESSIONS: 9.15 AM- 10.45 AM

Venue: 1 (Tmt. Soundrabai Auditorium, SCAS)	Venue: 2 (Design Thinking Lab, St. Paul's Block First Floor)

Venue: 3(Machine Vision Lab, St. Paul's Block Second Floor)	Venue: 4 (Online Mode – Board Room, St Paul's Block First Floor)
Oral Session – 3 **Invited Talk &Session Chair: Dr. Afizan Azman** Associate Professor, Director for Impact Lab Digital Innovation &Smart Society at Taylor's University, Malaysia	**Oral Session – 4** **Invited Talk & Session Chair: Dr. Pethuru Raj** Chief Architect and Vice President, Site Reliability Engineering (SRE) Division, Reliance Jio Info comm. Ltd. (RJIL), Bangalore, India.

Tea Break (10.45 AM – 11.00 AM)

WORKSHOP (11:30 AM- 1:00 PM) - Venue: Web 3.0 Lab, St.Paul's Block Third Floor

Dr Raja Kumar Murugesan

Associate Professor of Computer Science, Head of Research for the Faculty of Innovation and Technology, Taylor's University, Malaysia

Title: Learning and Reasoning in Cognitive Computing.

ORAL SESSIONS: 11.00 AM -1.00 PM

Venue: 1 (Tmt. soundrbai Auditorium, SCAS)	Venue: 2(Design Thinking Lab, St. Paul's Block First Floor)
Oral Session – 1 **Invited Talk & Session Chair: Dr. Afizan Azman** Associate Professor, Director for Impact Lab Digital Innovation &Smart Society at Taylor's University, Malaysia	**Oral Session – 2** **Invited Talk & Session Chair: Dr. B. Surendiran** Dean- Faculty Welfare, Associate Professor, Dept of CSE, NIT Puducherry.
Venue: 3(Machine Vision Lab, St. Paul's Block Second Floor)	**Venue: 4 (Online Mode – Board Room, St Paul's Block First Floor)**
Oral Session – 3 **Invited Talk & Session Chair: Dr. Swee King Phang,** Senior Lecturer, Taylor's University, Malaysia	**Oral Session – 4** **Invited Talk & Session Chair: Dr. Adithya Pothan Raj V** Lead Architect – Technology, CTS – Canada

LUNCH – 1.00 PM - 1.30 PM

VALEDICTORY   FUNCTION   AND   AWARD   CEREMONY
Time: 1.30 PM- 3.00 PM

Venue: Tmt. Soundrabai Auditorium, SCAS