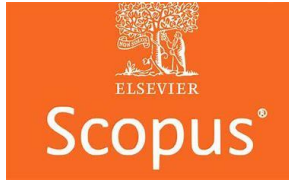


**6th International Conference Futuristic Trends in Networks and Computing Technologies  
(FTNCT'06)**

**Date of Conference: 23-24th December, 2024**

**VENUE: Graphic Era Hill University (GEHU), Haldwani Campus, Uttarakhand, India**



**Conference Website :** [www.ftnct.com](http://www.ftnct.com)

**Important dates**

<b>Submission of Full Papers Deadline</b>	20 November, 2024
<b>Notification of Acceptance Deadline</b>	30 November, 2024
<b>Registration Deadline</b>	10 December, 2024
<b>Conference Dates</b>	23-24 <sup>th</sup> December, 2024

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<b>Special Session</b>	<b>Session Code: SS-27</b>
<b>Special Session Chairs</b>	<b>Dr. Megha</b> <b>Department of Computer Languages and Systems</b> <b>University of Seville, Spain</b> <b>&amp;</b> <b>Dr. Arpit Kumar Sharma</b> <b>Manipal University, Jaipur, India</b>
<b>Session Chair Email</b>	<a href="mailto:mb.meghabhushan@gmail.com">mb.meghabhushan@gmail.com</a> and <a href="mailto:arpit.sharma@jaipur.manipal.edu">arpit.sharma@jaipur.manipal.edu</a>
<b>Title of Special Session</b>	Advances in Artificial Intelligence for Knowledge-Based Systems and Expert Systems
<b>Keywords</b>	Artificial Intelligence, Knowledge-Based Systems, Expert Systems, Intelligent Decision-Making, Machine Learning, Knowledge Engineering, Domain-Specific Applications

<p><b>Topics/ Sub-topics</b></p>	<p><b>Session Overview:</b> The rapid evolution of Artificial Intelligence (AI) has led to transformative developments in knowledge-based and expert systems, enabling intelligent decision-making across numerous sectors. This special session will delve into cutting-edge research, applications, and future directions in AI-driven knowledge-based systems and expert systems, emphasizing their capabilities in simulating expert-level reasoning, enhancing decision support, and fostering innovative problem-solving. This session aims to bring together researchers, practitioners, and thought leaders to explore how AI continues to reshape expert systems and knowledge-based platforms across fields like healthcare, finance, education, and manufacturing.</p> <p><b>We invite high-quality submissions on, but not limited to, the following topics:</b></p> <ol style="list-style-type: none"> <li><b>1. AI in Knowledge-Based Systems:</b> <ul style="list-style-type: none"> <li>○ Evolution and new architectures in AI-powered knowledge systems</li> <li>○ Techniques for efficient knowledge representation and reasoning</li> <li>○ Integration of AI with knowledge management frameworks</li> </ul> </li> <li><b>2. Development and Optimization of Expert Systems:</b> <ul style="list-style-type: none"> <li>○ Machine learning and deep learning advancements in expert systems</li> <li>○ Domain-specific expert systems and their applications</li> <li>○ Enhancing interpretability and explainability in expert systems</li> </ul> </li> <li><b>3. Knowledge Engineering and Management:</b> <ul style="list-style-type: none"> <li>○ Techniques for creating, managing, and curating knowledge repositories</li> <li>○ Real-time updating and learning in knowledge-based systems</li> <li>○ Knowledge acquisition, validation, and transfer for expert systems</li> </ul> </li> <li><b>4. Case Studies and Applications:</b> <ul style="list-style-type: none"> <li>○ Success stories in deploying AI-driven expert systems in sectors such as healthcare, finance, and engineering</li> <li>○ Innovative applications of AI in knowledge-based and expert systems for decision-making</li> <li>○ Challenges and lessons learned from real-world implementations</li> </ul> </li> <li><b>5. Future Trends and Challenges:</b> <ul style="list-style-type: none"> <li>○ Ethical and societal implications of knowledge-based systems</li> <li>○ Scalability, reliability, and robustness of AI-powered expert systems</li> <li>○ Emerging trends in AI-driven automation within expert and knowledge-based systems</li> </ul> </li> </ol>
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Conference Contact; { [fnct2018@gmail.com](mailto:fnct2018@gmail.com) }, Whatsapp Only (+91-8920199069)

**ORGANISED BY**

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