



JANSONS INSTITUTE OF TECHNOLOGY

(Autonomous)

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Approved by AICTE and Affiliated to Anna University
Coimbatore – 641 659, Tamil Nadu, India.



Event Report

Title : Distinguished Lecture Programme on “AI and its applications in Healthcare”

Date (from & to) : 17.07.2026 **Time** (from & to) : 2:30 pm to 4:00 pm

Venue (offline) : Padmam Auditorium

Organised by : JIT-IEEE Student Branch

In association with : JIT-IIPC

Speaker Details

Name	: Dr. Vasily Sachnev	
Designation	: Professor	
Affiliation	: The Catholic University of Korea, Seoul, South Korea	
Topic	: AI and its applications in healthcare	

	https://jit.ac.in/events/ieee/dlp-ai-applications/
	https://www.linkedin.com/feed/update/urn:li:activity:7484163228168527873
	https://www.facebook.com/share/p/18jR52iScW/
	https://www.instagram.com/stories/jansons_jit/3943231800855362991?utm_source=ig_story_it_em_share&igsh=d2lxanVqNXBkY3dz
	https://x.com/Dr_S_Elangovan/status/2078427936194232365?s=20

Event Objective

The objective of the Distinguished Lecture was to provide students with insights into the transformative role of Artificial Intelligence in healthcare by introducing emerging applications in medical imaging, drug discovery, protein structure prediction using DeepMind AlphaFold, robotics-assisted minimally invasive surgery, and personalized medicine. The session also aimed to inspire students to explore interdisciplinary research and career opportunities in AI-driven healthcare technologies.

Event Summary

The **IEEE Student Branch** of **Jansons Institute of Technology (JIT)**, in association with the **JIT Industry Institute Partnership Cell(JIT-IIPC)** and **JIT Institution Innovation Council(JIT-IIC)**, successfully organized a **Distinguished Lecture** on **"AI Applications in Healthcare"** on **17 July 2026** from **2:30 PM to 4:00 PM** at the **Padmam Auditorium, Jansons Institute of Technology, Coimbatore**. The programme was organized to provide students with exposure to the latest advancements in Artificial Intelligence and its transformative applications in modern healthcare.

The distinguished speaker for the event was **Prof. Dr. Vasily Sachnev**, Professor, The Catholic University of Korea, Seoul, South Korea, and Visiting Professor, TIFAC-CORE in Cybersecurity, Amrita Vishwa Vidyapeetham, Coimbatore. The programme witnessed enthusiastic participation from students of the Departments of **Artificial Intelligence & Data Science (AI&DS)**, **Computer Science & Engineering (CSE)**, and **Computer Science & Business Systems (CSBS)**, **Electronics and Communication Engineering(ECE)**, along with faculty members and IEEE student members.

Prior to the technical session, **Prof. Dr. Vasily Sachnev** visited various academic and research facilities on the JIT campus. The campus tour included visits to the **Computer Laboratories**, **Classrooms**, **Centers of Excellence**, and the **Central Library**. During the visit, the distinguished guest appreciated the institution's excellent academic infrastructure, state-of-the-art laboratories, industry-supported Centers of Excellence, and the learning environment provided for students.

The programme commenced with a **Welcome Address** delivered by **Dr. M. V. Sureshkumar**, Director – **Administration**, who warmly welcomed the distinguished guest, faculty members, and students. In his address, he emphasized the importance of international academic collaborations and highlighted the role of IEEE in promoting technical excellence and professional development among students.

The **Chief Guest Introduction** was presented by **Mr. D. Hemanth**, Chair, **IEEE Student Branch**, who introduced the remarkable academic journey and research contributions of **Prof. Dr. Vasily Sachnev**. He highlighted the speaker's expertise in Artificial Intelligence, Cybersecurity, Information Assurance, and Applied Computer Science, along with his significant contributions to teaching and research at The Catholic University of Korea.

The highlight of the programme was the **Distinguished Lecture** on "**AI Applications in Healthcare.**" During his presentation, **Prof. Dr. Vasily Sachnev** provided an insightful overview of how Artificial Intelligence is revolutionizing healthcare across multiple domains. He explained the role of AI in **medical imaging**, where intelligent algorithms assist healthcare professionals in detecting diseases with greater speed and accuracy. He elaborated on the use of AI in **drug discovery**, demonstrating how machine learning accelerates the identification of potential drug candidates and significantly reduces the time required for pharmaceutical research.

One of the most engaging segments of the lecture focused on **DeepMind's AlphaFold**, where the speaker explained how Artificial Intelligence has achieved remarkable success in predicting protein structures, thereby transforming biomedical research and opening new avenues for disease treatment and drug development.

The speaker also discussed the application of **robotics in minimally invasive surgery**, illustrating how AI-enabled robotic systems assist surgeons in performing highly precise procedures with improved accuracy, reduced patient trauma, and faster recovery. He further emphasized the importance of **personalized medicine**, explaining how Artificial Intelligence enables customized treatment strategies based on a patient's genetic profile, medical history, and lifestyle, thereby improving treatment outcomes and enhancing patient care.

Throughout the lecture, the speaker presented several real-world case studies and recent technological advancements, his research experiment results, enabling students to appreciate the interdisciplinary nature of Artificial Intelligence and its growing impact on healthcare. He also highlighted future research opportunities in AI-driven healthcare technologies and encouraged students to pursue innovation and higher studies in this rapidly evolving field.

The lecture was followed by a **highly interactive Question and Answer session**, during which students and faculty members actively engaged with the speaker. Participants posed insightful questions on the future of AI in healthcare, ethical considerations, cybersecurity challenges in medical systems, AI-assisted diagnosis, robotics, and emerging research opportunities. The speaker patiently addressed every question with practical examples and encouraged students to develop multidisciplinary skills

combining Artificial Intelligence, healthcare, and cybersecurity.

The programme concluded with the **Vote of Thanks** delivered by **Dr. S. Elangovan, Vice Principal, Jansons Institute of Technology**, who expressed heartfelt gratitude to **Prof. Dr. Vasily Sachnev** for delivering an inspiring and knowledge-rich lecture. He thanked the Management of Jansons Institute of Technology, Principal, the Director – Administration, faculty members, IEEE Student Branch office bearers, IEEE WIE Affinity Group, student volunteers, and all participants for their wholehearted support in making the programme a grand success.

The Distinguished Lecture served as an excellent platform for students to gain insights into cutting-edge applications of Artificial Intelligence in healthcare and inspired them to explore interdisciplinary research opportunities. The programme successfully fulfilled its objective of promoting awareness of emerging technologies while strengthening the technical and professional development of IEEE student members and aspiring engineers.

Participants: More than 200 Students and faculty members from AI&DS, CSE, and CSBS departments along with IEEE student members.

The programme was well organized and well listened by the participants.

Event Photographs



Event Flyer



Welcome Address by Dr. M.V. Suresh Kumar



Campus Tour



Campus Tour



Welcome Address by Dr.M.V. Suresh Kumar



Chief Guest Introduction by Mr.D. Hemanth



Memento to the Chief Guest



Session on "AI & its application in healthcare"



Audience



Interactive Session



Q&A Session



Q&A Session



Q&A Session



Vote of Thanks by Dr.S. Elangovan



Audience



Group Photo

Event Outcomes

The lecture enhanced the participants' understanding of the latest advancements in AI-enabled healthcare and exposed them to real-world applications in medical diagnostics, intelligent drug discovery, robotic surgery, and personalized treatment planning. The highly interactive session broadened students' knowledge of emerging research trends and motivated them to pursue innovation and research at the intersection of Artificial Intelligence and healthcare.

Event Feedback

How would you rate the event in terms of preparation, flow, and content?



The contest planning and execution related to the theme?	<table border="1"> <thead> <tr> <th>Category</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Excellent</td> <td>85.36</td> </tr> <tr> <td>Very Good</td> <td>14.64</td> </tr> <tr> <td>Good</td> <td>0</td> </tr> <tr> <td>Fair</td> <td>0</td> </tr> </tbody> </table>	Category	Percentage	Excellent	85.36	Very Good	14.64	Good	0	Fair	0
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Very Good	14.64										
Good	0										
Fair	0										
The content and activities of the event has increased my knowledge.	<table border="1"> <thead> <tr> <th>Category</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Strongly Agree</td> <td>84.14</td> </tr> <tr> <td>Agree</td> <td>10.97</td> </tr> <tr> <td>Neutral</td> <td>4.89</td> </tr> <tr> <td>Disagree</td> <td>0</td> </tr> </tbody> </table>	Category	Percentage	Strongly Agree	84.14	Agree	10.97	Neutral	4.89	Disagree	0
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Strongly Agree	84.14										
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Neutral	4.89										
Disagree	0										
Overall experience of the event.	<table border="1"> <thead> <tr> <th>Category</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Very Satisfied</td> <td>84.14</td> </tr> <tr> <td>Satisfied</td> <td>15.86</td> </tr> <tr> <td>Neutral</td> <td>0</td> </tr> <tr> <td>Dissatisfied</td> <td>0</td> </tr> </tbody> </table>	Category	Percentage	Very Satisfied	84.14	Satisfied	15.86	Neutral	0	Dissatisfied	0
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Very Satisfied	84.14										
Satisfied	15.86										
Neutral	0										
Dissatisfied	0										
Suggestion for Improvements (If any)	-										

No. of Participants / Benefices

Total (Participants / Benefices)	Students	Teaching Faculty	Students (Outside institution)	Teaching Faculty (Outside institution)
216	209	7	-	-

Date of report submission: 18.07.2026

Student Coordinator
(Mr.D. Hemanth)

Head of Department
(Dr.S. Elangovan)