



MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
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A Report on "AI Powered Solution Expo – Demo Day for AI / Industry 4.0 Prototypes"

Organized by Department of Computer Science and Engineering (Artificial Intelligence)

Sponsored by IEEE Robotics and Automation Society, MITS

07.04.2026



Report Submitted by: Mr. Sreenath k, Assistant Professor, Department of Computer Science & Engineering – Artificial Intelligence.

Resource Person Details: Mr. Jayanth Sarma, Sr. Software Developer, CloudSEK Bangalore.

Venue: Auditorium

Time: 9:00 AM to 5:00 PM

Mode of Conduct: Offline.

Attendees Count: 63 Teams (2 participants per team)

Report Received on 21.04.2026.

He is currently working as a Backend Engineer and Senior Software Developer at CloudSEK, with over 2 years of professional experience in the field of software development. He has strong expertise in Python, Fast API, and microservices architecture, and is highly skilled in building scalable and efficient backend systems.

Throughout his career, he has worked on designing and developing robust APIs, implementing alerting systems, and improving system performance using modern technologies like AWS and Terraform. His work focuses on distributed systems, ensuring reliability, scalability, and high performance.

Before joining CloudSEK, he worked as a Software Engineer, where he played a key role in developing subscription management systems and secure vault solutions for handling sensitive data. His contributions significantly improved system functionality and efficiency. He has also gained valuable experience through internships at Cognizant and Nanyang Technological University, where he worked on data analysis, artificial intelligence, and natural language processing projects.

In addition to his professional achievements, he is a Smart India Hackathon 2019 winner and has been recognised as a University Innovation Fellow at Stanford d.school, where he actively contributed to design thinking initiatives and solving real-world problems. He completed his Bachelor of Technology in Electronics and Communication Engineering from Madanapalle Institute of Technology and Science.



Objective of the Program

Promote Innovation and AI Solutions: Encourage students to develop innovative AI-driven prototypes that solve real-world problems across various themes, such as healthcare, education, and sustainability.

Hands-on Experience in Prototyping: Provide a platform for students to create working prototypes or MVPs, enhancing their practical skills in design, development, and problem-solving.

Foster Collaborative Learning: Promote teamwork and interdisciplinary collaboration, helping students improve communication, leadership, and technical skills in a group setting.

Address Real-World Challenges: Focus on addressing global and societal issues through technology, encouraging students to work on solutions with meaningful impact.

Industry-Academia Collaboration: Connect students with industry mentors and experts, bridging the gap between academic knowledge and industry needs, while providing career growth opportunities.

Event details

AI Powered Solution Expo a dynamic and innovative event, took place at the auditorium from 9:00 AM to 5:00 PM, hosting over 126 attendees. The event, conducted offline, was a platform for students to exhibit their skills in rapid prototyping, utilizing cutting-edge technologies to address real-world challenges. With 63 participating teams, AI Powered Solution Expo provided an engaging environment where students could brainstorm, collaborate, and develop prototypes within a limited timeframe. Esteemed dignitaries, including faculty members and industry professionals, who encouraged participants to think creatively and push the boundaries of innovation, graced the event.

The AI Powered Solution Expo event kicked off with a warm welcome to all attendees, as the anchor opened with an inspiring quote from Steve Jobs, highlighting the importance of embracing change as an opportunity. The event officially commenced with the dignitaries gracing the stage, including Dr. D. Pradeep Kumar; Dr. R. Kalpana; Dr. K. Chokkanathan; and Mr. Sreenath K. Alongside them, we were honoured to have distinguished resource person Mr. Jayanth Sarma.

The ceremony proceeded with the Lighting of the Lamp, a symbolic moment representing the dispelling of darkness and the spread of knowledge, during which all faculty and students stood in respect.



Following this, the dignitaries shared their valuable insights about the AI-Powered Solution Expo's role in fostering innovation and practical learning. Mr. Sreenath K highlighted the importance of providing students with platforms that encourage creativity and innovation. He emphasised that such expos help bridge the gap between theoretical knowledge and practical implementation.

Dr. K. Chokkanathan, in his Welcome Address, expressed his enthusiasm for organising such a vibrant platform for students. He highlighted the department's efforts in encouraging research, innovation, and hands-on learning. He motivated students to actively participate, showcase their ideas confidently, and view this expo as an opportunity to learn from peers and experts alike.

Dr. R. Kalpana, in her address, emphasised that the AI-Powered Solution Expo serves as a dynamic platform for students to transform theoretical knowledge into practical solutions. She encouraged students to think beyond textbooks, focus on real-world problem solving, and collaborate effectively as teams. She also highlighted the importance of continuous learning in the rapidly evolving field of Artificial Intelligence and motivated students to build innovative solutions that can create meaningful societal impact.

Dr. D. Pradeep Kumar, in his Presidential Address, highlighted the institution's commitment to promoting innovation-driven education. He emphasised that platforms like the AI-Powered Solution Expo bridge the gap between academic learning and industry requirements. He encouraged students to focus on developing practical, scalable solutions that address real-world challenges and stressed the importance of interdisciplinary collaboration, ethical use of AI, and continuous skill development.

The resource person, Mr. Jayanth Sarma, delivered an insightful session sharing real-world industry experiences. He emphasized the growing demand for AI-driven solutions in cybersecurity and digital transformation. He advised students to stay updated with emerging technologies, build strong problem-solving skills, and focus on practical implementation of their ideas. His talk provided valuable exposure to industry expectations and inspired students to align their projects with real-world needs.

The inaugural session concluded with the felicitation of Mr. Jayanth Sarma, recognizing his significant contributions to the event's success and inspiring the students to pursue their own paths of innovation.

A total of 63 teams participated in AI Powered Solution Expo, each presenting their innovative prototypes. The evaluation of the teams was based on the following criteria:

- **Innovation & Originality of Idea:** Teams were assessed on the uniqueness and creativity of their ideas, evaluating how well they addressed the problem at hand with novel solutions.
- **Problem Understanding & Relevance:** The judges examined the clarity with which teams understood the problem and how relevant their solutions were in the context of real-world challenges.
- **Prototype Functionality & Feasibility:** Teams were evaluated on the functionality of their prototypes, considering how well they worked and the feasibility of implementing their solutions in practical scenarios.
- **Presentation & Demonstration:** The teams' ability to effectively communicate their ideas, demonstrate the working of their prototypes, and present their solutions in a clear and engaging manner was also a key part of the evaluation.

The total score for each team was out of 50 Marks, combining creativity, problem-solving skills, technical feasibility, and presentation abilities. This rigorous evaluation process ensured that the most innovative and practical solutions were recognized and rewarded.

The Valedictory Session of the AI Powered Solution Expo 2026 was graced by esteemed dignitaries, including Mr. Toralkar Pawan; Dr. K. Chokkanathan; Dr. R. Kalpana; and Dr. A. V. Pavan. The event was further enriched by the presence of the distinguished resource person Mr. Jayanth Sarma, whose valuable insights, encouragement, and support greatly inspired the students.

Dr. A. V. Pavan delivered the Welcome Address, where he emphasized the importance of innovation-driven learning and encouraged students to leverage such platforms to showcase their technical skills and creativity. He highlighted the institution's continuous efforts in promoting research, interdisciplinary collaboration, and industry-oriented learning, motivating students to transform their ideas into impactful real-world solutions. This was followed by Dr. K. Chokkanathan, who presented the highlights of the day and summarized the event's proceedings in a comprehensive manner.

Dr. R. Kalpana, in her valedictory address, appreciated the efforts of the students and faculty in organizing and participating in the expo. She highlighted that such events play a crucial role in enhancing students' practical knowledge, teamwork, and innovation skills. She encouraged students to continue exploring emerging technologies and to convert their ideas into impactful solutions that can address real-world challenges.

The AI Powered Solution Expo 2026 jury members, whose expertise and constructive feedback were integral to evaluating the prototypes, played a vital role in ensuring a fair, insightful, and encouraging environment for all participants. Their thoughtful evaluation and guidance significantly contributed to the overall success of the event.

The session culminated with the much-awaited Prize Distribution Ceremony, where the outstanding teams were recognized for their innovation and efforts. First Place was awarded to Team B7 (MITS, CSE-AI, IV Year), Second Place to Team Cretcom (MITS, CSE-AI, III Year), and Third Place to Team The Strivers (MITS, CSE/CSM, II Year), celebrating their creative and practical contributions to the AI Powered Solution Expo 2026.

The session concluded with the Vote of Thanks delivered by Mr. Toralkar Pawan, who expressed sincere gratitude to all the dignitaries, resource persons, jury members, faculty, and students for their valuable contributions and active participation. He acknowledged the efforts of the organizing team in making the event a grand success and appreciated the enthusiasm and innovative spirit displayed by all the participants.

Position	Team	Department & Year	Team Members	Prize (INR)
1st	Team B7	CSE-AI, 4th Year	Thulava Prathyusha Nimanapalli Maheshwara Reddy	1750
2nd	Cretcom	CSE-AI, 3rd Year	Shilpa Chinakkagari Vyshnavi Peddi	1250
3rd	The Strivers	CSE, CSM, 2nd Year	Patan Jamsheer Shaik Sufiyan	1,000



Outcomes of the Event

- **Development of Practical Solutions:** Students successfully created working prototypes or MVPs, showcasing their ability to solve real-world challenges with AI and technology.
- **Enhanced Technical Skills:** Participants gained valuable hands-on experience in rapid prototyping, AI, and data analytics, boosting their technical expertise.
- **Improved Collaboration and Teamwork:** The event promoted interdisciplinary collaboration, helping students strengthen their teamwork, leadership, and communication skills.
- **Exposure to Industry Insights:** Students interacted with industry experts and mentors, gaining practical insights into current technologies and trends in AI and related fields.
- **Innovation and Creativity:** AI-Powered Solution Expo encouraged participants to think creatively and innovatively, fostering a culture of problem-solving and out-of-the-box thinking.



Program Outcomes (POs) Covered

- **PO1 – Engineering Knowledge:** Students applied their knowledge of computing, artificial intelligence, data analytics, and core engineering principles to design and develop innovative prototypes addressing real-world problem statements.
- **PO3 – Design/Development of Solutions:** Participants conceptualized, designed, and implemented functional prototypes (MVPs) by identifying user needs, defining problem statements, and developing feasible, technology-driven solutions within a limited timeframe.
- **PO5 – Modern Tool Usage:** Students utilized modern tools and technologies such as AI frameworks, programming platforms, data analytics tools, and development environments to build and demonstrate their solutions, while understanding practical constraints and limitations.
- **PO8 – Individual and Team Work:** AI Powered Solution Expo fostered collaborative learning by enabling students to work effectively as team members, share responsibilities, manage time efficiently, and integrate diverse skill sets to achieve common goals.
- **PO9 – Communication:** Participants enhanced their communication skills through prototype presentations, live demonstrations, idea pitching, and interactions with jury members and mentors in a professional setting.

- **PO11 – Life-Long Learning:** The event encouraged self-learning, adaptability, and continuous skill development by exposing students to emerging technologies, innovation practices, and real-world challenges beyond the regular curriculum.

SDG Goals Aligned with the Event

SDG 4 – Quality Education: AI Powered Solution Expo provided hands-on, industry-oriented learning experiences that enhanced students’ practical knowledge in AI, rapid prototyping, and technology-driven problem-solving. It improved their employability skills by equipping them with real-world applications of engineering concepts.

SDG 8 – Decent Work and Economic Growth: The event encouraged entrepreneurship, innovation, and teamwork, which prepared students for careers in the technology and start-up ecosystem. It emphasized skills that are highly relevant to today’s digital economy, contributing to economic growth and job readiness.

SDG 9 – Industry, Innovation, and Infrastructure: By integrating cutting-edge AI, data analytics, and modern prototyping techniques, AI Powered Solution Expo supported the development of innovative solutions, fostering technology-driven start-ups and contributing to infrastructure growth in the tech industry.

SDG 10 – Reduced Inequality: AI Powered Solution Expo helped bridge the gap between students from diverse backgrounds by providing equal opportunities to showcase their ideas, fostering inclusivity, and encouraging participation from all students, regardless of their educational or professional backgrounds.

SDG 17 – Partnerships for the Goals: The collaboration between academia, industry mentors, and experts strengthened knowledge sharing and practical exposure. These partnerships created long-term synergies for educational and professional development, promoting innovation and global collaboration.

Conclusion

The AI Powered Solution Expo 2026 successfully served as a premier platform for innovation, creativity, and hands-on learning, enabling students to showcase their advanced problem-solving abilities and technical proficiency in Artificial Intelligence and Industry 4.0. The event effectively highlighted the importance of interdisciplinary collaboration and the practical application of emerging technologies, inspiring participants to push the boundaries of digital transformation.

With 63 teams presenting their prototypes, the level of ingenuity, dedication, and technical excellence displayed was truly commendable. The evaluation process was rigorous and systematic, ensuring that the most innovative, technically sound, and impactful Minimum Viable Products (MVPs) were rightfully recognised.

The Expo was further enriched by the valuable insights and industry perspectives shared by distinguished dignitaries and resource persons such as Mr. Jayanth Sarma, along with academic leaders including Dr. R. Kalpana and Dr. A. V. Pavan, whose guidance played a crucial role in motivating students and strengthening the event’s impact.

Overall, the AI Powered Solution Expo 2026 stands as a significant milestone for the department, fostering a culture of innovation, teamwork, and continuous learning. It has not only enhanced students’ technical competencies but also encouraged them to translate their ideas into real-world solutions, preparing them to meet future industry challenges with confidence and competence.

Newspaper Clips: