A Report on One-day workshop on "Innovation Ecosystem for Start-Ups" Organized by Department of Computer Science & Engineering – Artificial Intelligence on 20.02.2026

Report Submitted by: Mr. Toralkar Pawan, Assistant Professor, Department of Computer Science & Engineering – Artificial Intelligence.
Faculty Coordinators: Mr. Toralkar Pawan, Assistant Professor, Department of Computer Science & Engineering (Artificial Intelligence); Dr. K. Chokkanathan, Associate Professor, Department of Computer Science & Engineering (Artificial Intelligence)
Venue: Seminar Hall – B
Time: 9:00 AM to 5:00 PM
Mode of Conduct: Offline.
Attendees Count: 140
Report Received on 27.02.2026.

Resource Person Details:

Ms. R Kaviya is a highly motivated Technical Trainer and Software Developer with a Bachelor of Technology in Information Technology and over five years of rich experience in industry-focused training and software development. She has played a significant role in empowering students and young professionals by bridging the gap between academic learning and real-world industry requirements through hands-on, practical training methodologies. Over the course of her career, she has successfully trained more than 6,000 students across 50+ universities, engineering colleges, and training institutions, helping them build strong technical foundations and career-ready skills. Her core expertise lies in Data Structures and Algorithms using C, C++, and Java, along with strong proficiency in Python, SQL, MySQL, MongoDB, and full-stack development using the MERN stack (MongoDB, Express.js, React.js, and Node.js). She is well-versed in Core Java concepts, including Object- Oriented Programming principles such as inheritance, polymorphism, abstraction, and encapsulation, and also possesses practical knowledge of JDBC and database integration. Ms. Kaviya has conducted numerous training programs such as Advanced Java courses, MERN Stack workshops, and placement-oriented training sessions focusing on coding aptitude, problem-solving, and company-specific interview preparation using platforms like LeetCode and HackerRank.

Objective of the Program

1. To create awareness among students about the start-up ecosystem, innovation frameworks, and emerging opportunities in technology-driven entrepreneurship.
2. To motivate students to develop innovative thinking and problem-solving skills aligned with real-world industry and societal needs.
3. To expose students to practical insights on ideation, product development, and commercialization through expert interaction with industry and academic professionals.
4. To encourage entrepreneurial mindset by familiarizing students with start-up support systems such as incubators, accelerators, funding avenues, and government initiatives.
5. To bridge the gap between academic learning and industry expectations by highlighting the role of Artificial Intelligence in building scalable and sustainable start-ups.

Event details:

The one-day workshop commenced with a formal inauguration ceremony, during which the dignitaries were invited to the dais. The dignitaries included Dr. R. Kalpana, Professor and Head, Department of Computer Science & Engineering – Artificial Intelligence; Dr. K. Chokkanathan, Associate Professor, Department of Computer Science & Engineering – Artificial Intelligence; Mr. Toralkar Pawan, Assistant Professor, Department of Computer Science & Engineering – Artificial Intelligence; and the Resource Person, Ms. R. Kavya, Senior Technical Trainer, RAMPeX Technologies, Chennai.This was followed by the Welcome Address delivered by Dr. K. Chokkanathan, who highlighted the importance of innovation and industry-oriented learning for students. The Address to the Gathering was given by Dr. R. Kalpana, who emphasized the need to bridge the gap between academic knowledge and real- world applications through expert-led programs. The dignitaries then formally introduced the resource person, and the session was handed over to Ms. R. Kavya, who initiated the technical session.

During the workshop, the resource person delivered an in-depth and technically enriched session on the innovation and start-up ecosystem, with a strong emphasis on the role of technology-driven solutions and skill- oriented development in building successful start-ups. She elaborated on structured ideation methodologies, problem discovery techniques, and the importance of identifying real-world challenges that can be addressed through scalable technological solutions. The session highlighted how emerging technologies such as Artificial Intelligence, Machine Learning, Data Analytics, Cloud Computing, and Full-Stack Development can be effectively leveraged to design and develop Minimum Viable Products (MVPs). The resource person also discussed industry best practices for solution validation, prototype development, and iterative improvement based on user feedback. Real-time examples and case scenarios were shared to demonstrate how innovative ideas can be transformed into practical, market-ready solutions. The workshop encouraged critical thinking and hands-on problem-solving, resulting in active interaction and meaningful discussions among students and faculty members, thereby enhancing technical understanding and entrepreneurial awareness.

The workshop further emphasized the significance of hands-on learning and practical exposure, stressing the need to align technical competencies with current industry expectations. The resource person highlighted the importance of implementing theoretical concepts through real-time coding, prototype development, and system integration, particularly in the context of start-up environments. Industry-driven examples and real-world use cases were shared to demonstrate how innovative ideas can be translated into functional applications, deployable solutions, and scalable products. The session provided participants with clarity on bridging the gap between academic knowledge and professional requirements, thereby enhancing their technical confidence and problem-solving capabilities. The workshop concluded with a Vote of Thanks proposed by Mr. Toralkar Pawan, Assistant Professor, Department of CSE–Artificial Intelligence, marking the event as a successful and enriching learning experience that fostered innovation, technical awareness, and entrepreneurial mindset among the participants.

Outcomes of the Event

1. Students gained an understanding of the start-up ecosystem, innovation processes, and entrepreneurial opportunities in the technology domain.
2. Students developed awareness of ideation techniques, product development cycles, and market validation strategies for start-ups.
3. Students enhanced their knowledge of funding mechanisms, incubation centers, and government schemes supporting start-ups in India.
4. Students improved their ability to apply Artificial Intelligence concepts to solve real-world problems with entrepreneurial potential.
5. Students were motivated to pursue entrepreneurship, innovation-based projects, and start-up initiatives alongside their academic learning.

Program Outcomes (POs) Covered

1. PO1 – Engineering Knowledge: Applied computing and engineering fundamentals to understand innovation, start-up ecosystems, and technology-driven solutions.
2. PO2 – Problem Analysis: Enabled students to identify, analyze, and define real-world problems relevant to start-ups with consideration for feasible and sustainable solutions.
3. PO3 – Design and Development of Solutions: Encouraged creative solution design and development of workable ideas and Minimum Viable Products (MVPs) addressing identified needs.
4. PO5 – Modern Tool Usage: Promoted the use of modern engineering and IT tools, platforms, and emerging technologies for prototype and solution development.
5. PO6 – The Engineer and the World: Created awareness of societal impact, sustainability, and responsible innovation while developing technology- based solutions.
6. PO7 – Ethics: Emphasized ethical practices, professional responsibility, data privacy, and responsible use of technology in start-up development.
7. PO8 – Individual and Team Work: Strengthened the ability to work effectively as individuals and as members of teams through collaborative discussions and activities.
8. PO9 – Communication: Enhanced communication skills through interaction with the resource person, idea discussions, and technical exchanges.
9. PO10 – Project Management and Finance: Introduced basic concepts of planning, execution, and management of innovation-based and start-up-oriented projects.
10. PO11 – Lifelong Learning: Motivated students towards continuous learning, adaptability to emerging technologies, and innovation-driven thinking.

SDG Goals Aligned with the Event

1. SDG 4 – Quality Education: The workshop promoted skill-based learning, innovation, and industry-relevant education through expert interaction and hands-on exposure.
2. SDG 8 – Decent Work and Economic Growth: Encouraged entrepreneurship, start-up culture, employability skills, and economic development through innovation-driven initiatives.
3. SDG 9 – Industry, Innovation and Infrastructure: Focused on technological innovation, start-up ecosystems, and the development of scalable, technology-based solutions.
4. SDG 10 – Reduced Inequalities: Supported inclusive participation and equal access to skill development and entrepreneurial opportunities.
5. SDG 12 – Responsible Consumption and Production: Emphasized sustainable innovation, ethical technology usage, and responsible solution development.
6. SDG 17 – Partnerships for the Goals: Strengthened collaboration between academia and industry through expert engagement and knowledge sharing.

Conclusion:

The one-day workshop on “Innovation Ecosystem for Start-Ups” was successfully conducted and proved to be an insightful and impactful learning experience for the participants. The program effectively enhanced students’ understanding of innovation-driven entrepreneurship, start-up ecosystems, and the application of emerging technologies in developing practical solutions. Through expert guidance, interactive discussions, and real-world examples, the workshop strengthened technical awareness, problem-solving abilities, and entrepreneurial mindset among students. The event achieved its intended objectives by bridging academic knowledge with industry expectations and motivating students to pursue innovation, start-up initiatives, and continuous learning, thereby contributing positively to skill development and professional growth.