



MARUDHAR KESARI JAIN COLLEGE FOR WOMEN (AUTONOMOUS)

VANIYAMBADI, TIRUPATTUR DT - 635 751

- ✓ Recognized u/s 2(f) & 12(B) of UGC Act 1956
- ✓ Permanently Affiliated to Thiruvallur University
- ✓ Supported by DST - FIST | DBT STAR College Scheme



School of Computing Science & Redback IT
Solutions Private limited, Vellore.

TOGETHER FOR A STRONGER FUTURE

MOU EXCHANGE

A COMMITMENT TO COLLABORATION.
A PATHWAY TO EXCELLENCE.



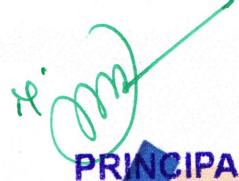
Value Added Course

Data: 15.06.2026 to 19.06.2026 / Venu: Old Seminar Hall

Topic: AI-Driven Cyber Intelligence & Secure Data Engineering

Industry Expert

MS.K, SIVAPRIYA CEO,
MANAGING DIRECTOR,
REDBACK IT SOLUTIONS
PRIVATE LIMITED, VELLORE.


PRINCIPAL
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Vaniyambadi - 635 751.
Tirupattur District

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Sri. Anand Singhvi
Secretary

Dr. M. Inbavalli
Principal

Dr. K. Priya
Dean & Convener



MARUDHAR KESARI JAIN
College for Women (Autonomous), Vaniyambadi.



Activity Report

<u>Department</u>	: School of Computing Sciences
<u>Year</u>	: II year
<u>Event Name</u>	: MOU Signing & Value Added Course
<u>Topic</u>	: AI -Driven Cyber Intelligence & Secure Data Engineering
<u>Handled By</u>	: MS.K.Sivapriya, M.Giridharan, P.Sanjay Kumar
<u>Venue</u>	: Sri Arihanth Block Seminar Hall & Sri Roop Rajat AV Room

Objectives of the Training Program

The objectives of the training program were to introduce students to Rapid Application Development (RAD) and AI-assisted software development using GitHub Copilot. Students learned to build responsive front-end applications and develop back-end services using Node.js and Express.js. They also gained practical experience in MySQL/MongoDB database integration and full-stack application development. The program further covered AI-assisted testing, debugging, optimization, and version control using Git and GitHub. Overall, the training program aimed to equip students with practical, industry-oriented skills required for modern AI-enabled software development.

Methodology (Process)

The training program followed a hands-on, project-based, and AI-assisted learning methodology. Initially, students were introduced to the fundamentals of Rapid Application Development (RAD), AI-assisted software development, and GitHub Copilot through interactive sessions and demonstrations. They then applied these concepts through practical coding exercises by developing responsive front-end applications using HTML5, CSS3, and JavaScript. This was followed by back-end API development using Node.js and Express.js, along with MySQL/MongoDB database integration. Students implemented essential application features such as CRUD operations, user authentication, front-end and back-end integration, testing, and debugging through guided laboratory activities and mini projects. Version control and collaborative development practices were also introduced using Git and GitHub. Finally, students completed practical assessments and project demonstrations, enabling them to understand and apply the complete AI-assisted full-stack development process while strengthening their technical and industry-oriented software development skills.

At the end of the final day, a Memorandum of Understanding (MOU) signing ceremony between the industry partner and the institution was successfully conducted, marking a significant step towards strengthening industry-academia collaboration.

This training program contributes to **SDG 4 – Quality Education, SDG 9 – Industry, Innovation and Infrastructure, and SDG 17 – Partnerships for the Goals.**

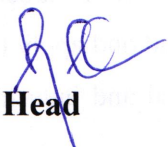
Output

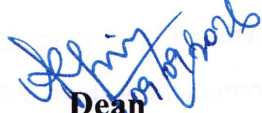
A total of **355 students** actively participated in the training program. They engaged in interactive discussions, hands-on coding, AI prompt engineering, laboratory activities, mini projects, live coding sessions, project presentations, assessments, and feedback sessions. The students gained practical knowledge of Rapid Application Development (RAD), AI-assisted software development, GitHub Copilot, front-end and back-end technologies, database integration, CRUD operations, authentication, testing, debugging, and version control using Git and GitHub.

Through hands-on projects and practical assessments, students successfully developed and demonstrated AI-assisted full-stack web applications. This enhanced their technical skills, industry readiness, enthusiasm, and active involvement in modern software development practices. The Memorandum of Understanding (MOU) was also successfully signed between the industry partner and the institution, strengthening future collaboration and creating opportunities for students.

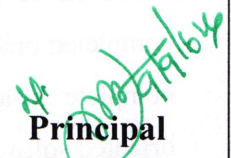
Outcomes

The Value-Added Training Program successfully achieved its intended objectives. Students acquired practical knowledge of AI-assisted software development using GitHub Copilot and gained hands-on experience in developing complete full-stack applications using modern development practices. The collaborative efforts between the institution and the industry partner played a vital role in achieving the desired learning outcomes. The training program enhanced students' technical knowledge, practical skills, problem-solving abilities, and industry readiness. In the future, the institution plans to strengthen this partnership through Memorandums of Understanding (MOUs), internship opportunities, industrial visits, collaborative projects, and industry-oriented training programs. These initiatives will further enhance students' practical knowledge, professional skills, industry exposure, and employability.


Head


Dean


IQAC Director


Principal

PRINCIPAL

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MARUDHAR KESARI JAIN College for Women (Autonomous), Vaniyambadi



Department of Data Science

Event Name :MOU Signing & Value Added Course

Topic :AI-Driven Cyber Intelligence & Secure Data Engineering

Date :15.06.2026 to 19.06.2026.

Organized by :School of Computing Sciences

Venue :Sri Arihanth Block Seminar Hall & Sri Roop Rajat AV Room

Value Added Course on “AI-Driven Cyber Intelligence & Secure Data Engineering”,empowering students with modern AI-assisted development skills and hands-on learning for faster.



Principal

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