COURSE COMPLETION REPORT

Applied Artificial Intelligence for All:

Foundations to Job-Readiness

Detail	Information
Course Title	Applied Artificial Intelligence for All: Foundations to Job-Readiness
Collaborating Institutions	Janki Devi Memorial College, University of Delhi & Birla Institute of Technology & Science, Pilani
Course Duration	November 8, 2025 - April 8, 2026 (6 Months)
Mode of Delivery	Hybrid - Online + Offline Classes as Needed
Target Audience	Undergraduate students - B. Com (H), Economics (H), B.Sc. Mathematics
Total Enrolled Students	31
Student Fee	INR 7,500 (inclusive of campus visit)
Reporting Date	May 2026

SECTION 1 | EXECUTIVE SUMMARY

This report documents the successful completion of a pioneering six-month hybrid certificate course in Applied Artificial Intelligence, a landmark collaboration between Janki Devi Memorial College (JDMC), a premier women's college under the University of Delhi, and the Birla Institute of Technology and Science (BITS), Pilani. The course ran from November 8, 2025 to April 8, 2026, and concluded with an immersive four-day residential campus visit to BITS Pilani. The vision, championed by Prof. Swati Pal (Principal, JDMC), was to democratize AI education and empower students from non-technical backgrounds - Commerce, Economics, and Mathematics - with job-ready skills. The course was made financially accessible through the generous sponsorship of Ms. Usma Lamba, who's funding specifically covered the fees of AI specialist faculty from BITS Pilani, enabling world-class instruction that would otherwise have been unaffordable. The program achieved a 100% completion rate across all 31 enrolled students. All students stated they would recommend the course to peers and expressed interest in pursuing an advanced AI course if offered. Student feedback ratings averaged between 4.2 and 4.8 out of 5 across all dimensions.

31 Students Enrolled	**100%** Completion Rate
6 Months Course Duration	**50+** Instructional Hours
INR 7,500 Student Fee (All-Inclusive)	**4 Days** Campus Visit Duration
4.2 – 4.8 / 5 Average Feedback Rating	**100%** Student Recommendation Rate

SECTION 2 | VISION, LEADERSHIP & FUNDING

2.1 Visionary Leader

Prof. Swati Pal (Principal, JDMC) envisioned empowering female students with future-ready AI skills, transforming a non-technical college into a hub for digital innovation. Her vision drove the establishment of this first-of-its-kind collaboration between JDMC and BITS Pilani.

2.2 Academic Leadership

- Convenors: Dr. Sonal Jain and Dr. Ravindar Meena coordinated the overall program.
- Syllabus Design: The entire course syllabus was drafted exclusively by Dr. Ravindar Meena, ensuring a beginner-friendly, job-oriented curriculum tailored for Arts, Commerce, and Science students.
- Course Coordinators: Ms. Shilpa Maggo, Ms. Ekta Bansal, Dr. Tanu Gupta, and Mr. Rohit Singh managed day-to-day operations, student communication, and offline session logistics.

2.3 Sponsorship

The program was made possible through the generous sponsorship of Ms. Usma Lamba. Her funding specifically covered the fees of AI specialist faculty from BITS Pilani, enabling world-class instruction that would otherwise have been unaffordable for the students. The course fee for participants was INR 7,500 (including the campus visit), and the sponsorship bridged the remaining cost of expert faculty.

SECTION 3 | COURSE DESIGN & PEDAGOGY

3.1 Curriculum Overview

The curriculum was designed for beginners with no prior coding experience. The objective was to democratize AI education and build job-ready skills. The course delivered 50+ hours of instruction through weekly 2 - 3hour sessions, predominantly on Saturdays, supplemented by on-demand offline classes at the JDMC campus.

3.2 Core Modules

#	Module	Key Topics & Tools
1	Introduction to AI	History, types, and applications of AI
2	Data Literacy	Excel / Google Sheets - data handling and visualization
3	Python for Everyone	Variables, loops, functions - Google Colab, Kaggle
4	Math for AI	Basic statistics, probability, and logic
5	Machine Learning Simplified	Regression, Classification, K-Means - Scikit-learn on Colab
6	Deep Learning Introduction	Neural network concepts - Teachable Machine
7	Natural Language Processing	Sentiment analysis, chatbot design
8	AI in Industry	Banking, Retail, Healthcare case studies
9	Capstone Project	End-to-end AI problem-solving across all tools
10	Career & Placement Training	Resume building, GitHub, LinkedIn, mock interviews

3.3 Hybrid Mode - Online + Offline

A distinctive feature of the program was its flexible hybrid delivery model. While most classes were conducted online, offline sessions were arranged at the JDMC campus whenever the need arose — for complex Python debugging, machine learning algorithm clarifications, or capstone project mentoring - to ensure better understanding of concepts.

3.4 Student Consistency Measures

The JDMC faculty coordinators ensured regular attendance, assignment submission, and active participation through daily reminders, doubt-clearing sessions, and progress tracking. This consistent handholding was key to the 100% completion rate across all 31 students.

3.5 Evaluation Framework

- Continuous assessment via Google Classroom: random quizzes and component-wise submissions.
- Final Capstone Project integrating skills across all modules.
- Dedicated Teaching Assistant: Mr. Vikas Kumawat (PhD Scholar, BITS Pilani) supported all evaluations.

SECTION 4 | INAUGURAL SESSION - NOVEMBER 8, 2025

The inaugural session of the “Applied Artificial Intelligence for All” course was held on November 8, 2025, from 2:30 PM to 3:00 PM in a hybrid format. The session brought together senior leadership from both JDMC and BITS Pilani, setting a tone of institutional seriousness and shared purpose for the six-month journey ahead.

Speaker / Participant	Role	Key Contribution at Inaugural
Prof. Sudhirkumar Barai	Director, BITS Pilani-Pilani Campus	Delivered the keynote address; emphasized the importance of democratizing AI education across disciplines
Prof. Swati Pal	Principal, JDMC	Shared her vision of empowering young women with AI skills; highlighted this course as the first step toward making JDMC a centre for digital excellence
Prof. Navneet Goyal	Senior Professor, BITS Pilani	Introduced the course structure and the unique mentorship model
Prof. Shibani Khanra Jha	FIC, Teaching Learning Centre, BITS Pilani	Spoke about the campus visit and experiential learning opportunities
Col. Soumyabrata Chakraborty (Retd.)	Registrar, BITS Pilani	Assured full institutional support for the collaboration
Dr. Ravindar Meena	Convenor, JDMC	Delivered the vote of thanks; acknowledged sponsors, faculty, and student participants

The inaugural session was a short yet inspiring preamble that set the tone for the six-month journey. It concluded with a vote of thanks from Dr. Ravindar Meena, who acknowledged the sponsors, faculty, and enthusiastic student participants.

SECTION 5 | COURSE DELIVERY - NOV 2025 TO APR 2026

5.1 BITS Pilani Faculty

All technical instruction was delivered by AI specialist faculty from BITS Pilani. Key instructors included Prof. Navneet Goyal, Prof. Gopal Singh Phartiyal, Prof. Shibani Khanra Jha, and Prof. Yash Sinha. Mr. Vikas Kumawat (PhD Scholar) served as the dedicated Teaching Assistant for evaluations and student support throughout the course.

5.2 BITS Pilani Faculty - Overview

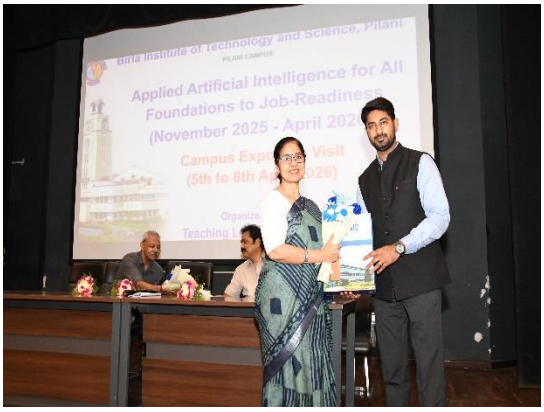
Faculty / TA	Designation & Institution	Role in Program
Prof. Navneet Goyal	Senior Professor, BITS Pilani	Course structure, mentorship model, instruction
Prof. Gopal Singh Phartiyal	Faculty, BITS Pilani	ML module instruction (Regression, Scikit-learn, Collab)
Prof. Shibani Khanra Jha	FIC - Teaching Learning Centre, BITS Pilani	Experiential learning design, campus visit coordination
Prof. Yash Sinha	Faculty, BITS Pilani	Technical instruction and lab support
Mr. Vikas Kumawat	PhD Scholar, BITS Pilani (TA)	Evaluation, assessment, and student feedback management

SECTION 6 | BITS PILANI CAMPUS VISIT APRIL 5-8, 2026

The four-day residential visit to BITS Pilani (April 5–8, 2026) was the program's highlight, transforming online learning into real-world exposure. All 31 students participated in the campus visit, which was included in the course fee of INR 7,500.

Activity	Details
Welcome Address	J.C. Choudhury NAB Auditorium - formal welcome to BITS Pilani campus
Panel Discussion	'AI for All and Job Readiness' - faculty and industry panel
Lab Visits	CSIS Department - AI and computing research lab exposure
Campus Tour	RKIC and Library tour
PIEDS & Startup Ecosystem Session	Featuring Mr. Harish Mulchandani, Mr. Harish Shah, Mr. Amrit Lahari, and Mr. Laksh Gupta - entrepreneurship and AI startup ecosystem
Valedictory Ceremony	April 8, 2026 -joint certificates awarded to all 31 students by JDMC and BITS Pilani


PILANI CAMPUS
Applied Artificial Intelligence for All
Foundations to Job-Readiness
(November 2025 - April 2026)
Campus Exposure Visit

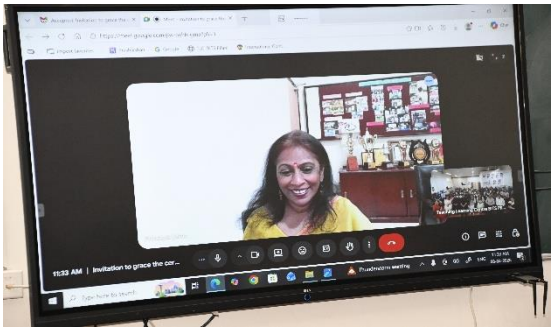

PILANI CAMPUS
Applied Artificial Intelligence for All
Foundations to Job-Readiness


PILANI CAMPUS
Applied Artificial Intelligence for All
Foundations to Job-Readiness


JDMC


JDMC

The valedictory ceremony on April 8, 2026 formally concluded the program with the award of joint certificates to all 31 students, bearing the institutional recognition of both Janki Devi Memorial College, University of Delhi and BITS Pilani.



SECTION 7 | STUDENT FEEDBACK & OUTCOMES

7.1 Quantitative Feedback Summary

Following the valedictory, students submitted structured feedback using the AI Course Feedback Form. The overall response was overwhelmingly positive, with average ratings between 4.2 and 4.8 out of 5 across all feedback categories.

Feedback Category	Average Rating (out of 5)
Curriculum Quality	4.8
Instructor Effectiveness	4.7
Practical Projects	4.5
Industry Relevance	4.2
Student Recommendation Rate	100% - All 31 students would recommend the course
Interest in Advanced Course	100% - All 31 students expressed interest in a follow-up course

7.2 Key Feedback Themes

- Students particularly appreciated the offline classes held on campus whenever they faced difficulties.
- The mentorship from BITS Pilani faculty was highlighted as a significant differentiator.
- Career counselling sessions were noted as highly impactful for professional readiness.
- Many students noted that the funding support for BITS faculty fees made world-class learning accessible to non-technical students.

7.3 Top Student Reviews

> *"My experience in the AI course at Birla Institute of Technology and Science Pilani was very enriching and practical. The course helped me build a strong understanding of AI concepts, machine learning, and real-world applications. I especially liked the hands-on projects and industry-relevant learning approach, which improved both my technical and problem-solving skills."*
>
> *Sanjana - B. Com*

> *"I recently completed the 'Applied Artificial Intelligence for All: Foundations to Job-Readiness' course, and it exceeded all my expectations. As someone with no prior technical background, I was amazed at how clearly and practically the concepts were taught — from basic AI principles to real-world applications like machine learning, generative AI, and prompt engineering.*
> *The hands-on projects and industry-relevant tools gave me the confidence to actually build things and understand how AI is used in business. By the end, I felt truly job-ready. This course is perfect for anyone who wants to break into AI without feeling overwhelmed. Highly recommended!"*
>
> Kirti - B. Com (H)

> *""I personally felt very confident and market ready after completing this course. I was amazed to see the labs and how prototype testing or research is actually done on ground level. I learnt and improved a lot in using AI in my day-to-day tasks and also felt more equipped now if talking about skills. The instructors were really helpful and calm throughout the course and the structure was broken down so simply and effectively for us to understand."*
>
> Anshika Sharma - B. Com (H)

> *"Being part of the Applied Artificial Intelligence for All course in collaboration with BITS Pilani was a valuable learning experience. The course provided practical exposure to Python, Machine Learning, and AI concepts through hands-on learning and projects. The campus visits and interaction with advanced technologies made the journey even more inspiring and helped strengthen my interest in the field of Artificial Intelligence."*
>
> Ashna Chaudhary - B.A. (Hons) Economics

> *"My experience was truly amazing. I've procrastinated learning a programming language for so long but at least trying the basics of Python was very fun for me and made me curious to learn more*

> *for sure. The campus visit showed how much people grow or succeed when they're passionate about what they do. I got to have a basic knowledge of data cleansing and working on huge datasets which will definitely help me in the future."*
>
> Shreya Mittal - B. Com (H)

SECTION 8 | ACKNOWLEDGEMENTS & CONCLUSION

8.1 Acknowledgements

Name / Entity	Role & Contribution
Prof. Swati Pal (Principal, JDMC)	Visionary leader; conceived and championed the JDMC–BITS Pilani collaboration
Dr. Ravindar Meena (Convenor, JDMC)	Sole syllabus designer; overall program convenor; vote of thanks at inaugural
Dr. Sonal Jain (Convenor, JDMC)	Program co-convenor; overall coordination of the six-month delivery
Ms. Shilpa Maggo (Coordinator, JDMC)	Day-to-day student management; offline session logistics and coordination
Ms. Ekta Bansal (Coordinator, JDMC)	Student communication; attendance and assignment follow-up
Dr. Tanu Gupta (Coordinator, JDMC)	Progress tracking; student support and doubt-clearing management
Mr. Rohit Singh (Coordinator, JDMC)	Offline class arrangements; student consistency measures
Ms. Usma Lamba (Sponsor)	Funded BITS Pilani AI specialist faculty fees; made the program financially accessible at INR 7,500
Prof. V. Ramgopal Rao (Vice Chancellor BITS Pilani)	Senior institutional leadership and support
Prof. Sudhirkumar Barai (Director, BITS Pilani Pilani Campus)	Keynote speaker at inaugural; institutional endorsement at the highest level
Col. Soumyabrata Chakraborty (Retd.) (Registrar, BITS Pilani)	Institutional support assurance at inaugural session

Name / Entity	Role & Contribution
Prof. Navneet Goyal (Senior Professor, BITS Pilani)	Course structure introduction; mentorship model; technical instruction
Prof. Gopal Singh Phartiyal (Faculty, BITS Pilani)	ML module instruction; credited by students for outstanding teaching clarity
Prof. Shibani Khanra Jha (FIC - TLC, BITS Pilani)	Campus visit design; experiential learning architecture
Prof. Yash Sinha (Faculty, BITS Pilani)	Technical instruction and lab support
Mr. Vikas Kumawat (PhD Scholar, BITS Pilani)	Dedicated Teaching Assistant; evaluation and student feedback management
31 Student Participants	For their dedication, consistent attendance, and successful completion of the course

8.2 Conclusion

The course “Applied Artificial Intelligence for All: Foundations to Job-Readiness” was successfully completed on April 8, 2026, achieving its goal of empowering non-technical female students with job-ready AI skills. From its launch at the inaugural session on November 8, 2025 to the valedictory ceremony and joint certificate award at BITS Pilani on April 8, 2026, the program delivered on every dimension of its original vision. The flexible hybrid model conducting offline classes whenever required for deeper conceptual clarity ensured deep understanding, and the dedicated JDMC faculty maintained excellent student consistency throughout. The sponsorship by Ms. Usma Lamba made BITS Pilani-level instruction accessible at an inclusive fee of INR 7,500. The four-day campus visit to BITS Pilani served as the program’s culminating experience, connecting six months of online and offline learning to real-world research, industry, and entrepreneurship environments.

This initiative stands as a replicable model for making advanced technology education accessible to underrepresented groups through strategic institutional collaboration, sponsored expert faculty, and a responsive teaching approach.