



DEPARTMENT OF COMPUTER APPLICATIONS

WORKSHOP– REPORT

Prompt To Product : Building With Generative AI

Objectives

- To provide students with an advanced understanding of **Generative Artificial Intelligence (GenAI)**, Large Language Models (LLMs), and their applications in modern software and digital product development.
- To develop proficiency in **Prompt Engineering**, enabling students to design structured, context-aware, and task-oriented prompts for obtaining precise and optimized AI-generated outputs.
- To familiarize students with the **AI-assisted software development lifecycle**, including ideation, requirement analysis, system design, prototyping, implementation, testing, debugging, and refinement.
- To enable students to transform conceptual ideas into **functional digital products, web applications, prototypes, and technology-driven solutions** using Generative AI and modern development platforms.
- **To provide hands-on exposure to** AI-powered development tools, API integration, UI/UX design, code generation, rapid prototyping, and iterative product development methodologies.

Report:

The **Department of Computer Applications** organized a technical workshop on “**Prompt to Product: Building with Generative AI**” on **18 September 2026**. The workshop was organized to provide students with conceptual knowledge and practical exposure to Generative Artificial Intelligence, Prompt Engineering, AI-assisted software development, rapid prototyping, and digital product development. A total of 180 students from the Bachelor of Computer Applications (BCA) and Computer Science students actively participated in the workshop.

The programme commenced with a prayer song, followed by the **Welcome Address** delivered by **Mrs. M. Mohana Priya, Head of the Department of Computer Applications**. The **Principal, Dr. S. Gayathri**, honoured the chief guests, Mr. M. Praveen Kumar and Mr. S. Kesavamoorthy.

The first technical session was handled by Mr. M. Praveen Kumar, Software Developer, Tamil Info Technology. He introduced the students to the fundamentals of Generative AI, Large Language Models (LLMs), AI-assisted programming, and intelligent automation. He explained how Generative AI is transforming conventional approaches to software development and digital product creation. A significant part of the session focused on Prompt Engineering, emphasizing the importance of creating clear and effective prompts to obtain reliable and contextually relevant results from AI systems.

The afternoon technical session was conducted by Mr. S. Kesavamoorthy, with a strong emphasis on hands-on AI-assisted product development. He demonstrated how modern Generative AI and AI-powered development and productivity platforms, including Claude, GitHub, Perplexity, Figma, Antigravity, Cursor, and other advanced AI tools, can support the software development process. Students observed how AI tools can assist in generating frontend components, application logic, UI/UX structures, technical content, source code, and project documentation. The session also emphasized the importance of human supervision, technical validation, testing, debugging, and refinement while developing AI-assisted applications.

At the end of the workshop, an interactive feedback session was conducted, providing students with an opportunity to share their learning experiences and reflections. **E-certificates** were distributed to all the participants. The Vote of Thanks was delivered by Mrs. H. Gayathri, Assistant Professor, Department of Computer Applications, who expressed sincere gratitude to the management, resource persons, Principal, faculty members, organizing committee, and students for their valuable support and active participation. The programme concluded with the College Anthem.

Outcomes:

- Acquired advanced knowledge of **Generative AI, Large Language Models (LLMs), and AI-assisted software development methodologies.**
- Developed proficiency in **Prompt Engineering**, including structured prompting, contextual prompting, iterative prompting, and prompt optimization techniques.
- Gained the ability to transform **problem statements and conceptual ideas into structured prompts, technical requirements, prototypes, and digital solutions.**
- Developed practical understanding of the **AI-assisted Software Development Life Cycle (SDLC)**, covering ideation, requirement analysis, prototyping, implementation, testing, debugging, and refinement.
- Gained hands-on exposure to **AI-powered development platforms and productivity tools** for code generation, application development, UI/UX design, documentation, and project prototyping.

Photos:



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