K.D.K. College of Engineering Nagpur

Department of Information Technology

Guest Lecture on "Security Aspects in Block chain Technology in Healthcare Sector"

Date: 25 Mar. 2025

Activity Report

The Department of Information Technology, KDK College of Engineering Nagpur in association with ISTE, IE & Times of India, successfully hosted a guest lecture on "Security Aspects in Block chain Technology in Healthcare" on 25 March, 2025. The session was conducted by Dr. Jitendra Tembhurne, Assistant Professor, Department of CSE, IIIT, Nagpur who shared valuable insights on the role of block chain in enhancing security and data integrity in healthcare systems.

Dr. Jitendra Tembhurne explained various security challenges in the healthcare sector and how block chain can provide decentralized, tamper-proof solutions to safeguard patient data and streamline medical processes and also share some case studies about the healthcare industry.

Students had actively participated and were fully involved in the activities. This activity is beneficial for creating great awareness among students and faculty members. The event was efficiently coordinated by Dr. H.V. Gorewar and Prof. R. R. Kolte, ensuring smooth execution and active student participation. The initiative was highly appreciated by the Management, Principal Dr. V. P. Varghese, Vice Principal Dr. A. M. Badar, and HOD Dr. Mrs. S. P. Khandait, who commended the organizing team for

enlightening students on the practical applications of Block chain Technology in real-world scenarios

K D K College of Engineering, Nagpur
Department of Information Technology
Activity Report (Session: 2024-2025)

Title of the Activity	Guest lecture on "Security Aspects in Block chain Technology in Healthcare"
Date of Activity	12-09-2024
No. of Students Involved:	**Male: 35** **Female: 36** **Total: 71**
Association/Collaboration	in association with Times of India, ISTE, IE
Details of Invited Speaker	Dr. Jitendra Tembhurne, Assistant Professor, Department of CSE, IIIT, Nagpur.

Brief about an Activity	The Department of Information Technology, KDK College of Engineering Nagpur in association with ISTE, IE & Times of India, successfully hosted a guest lecture on "Security Aspects in Block chain Technology in Healthcare" on 25 March, 2025. The session was conducted by Dr. Jitendra Tembhurne, Assistant Professor, Department of CSE, IIIT, Nagpur who shared valuable insights on the role of block chain in enhancing security and data integrity in healthcare systems. Dr. Jitendra Tembhurne explained various security challenges in the healthcare sector and how block chain can provide decentralized, tamper-proof solutions to safeguard patient data and streamline medical processes and also share some case studies about healthcare industry.
Objectives	1. To provide students with a foundational understanding of blockchain technology and its core principles such as decentralization, transparency, and immutability. 2. To illustrate the practical implementation of blockchain in healthcare through case studies and real-world examples shared during the session. 3. To motivate students to pursue academic or practical projects involving blockchain technology, particularly in healthcare or cybersecurity domains.
Outcomes	1. Students gained a solid conceptual understanding of blockchain, including its structure, functioning, and potential applications beyond cryptocurrencies. 2. Students learned how blockchain technology can offer decentralized, tamper-proof solutions to enhance the security, transparency, and integrity of healthcare data. 3. The lecture motivated students to explore blockchain as a potential area for academic research, final-year projects, or interdisciplinary studies.

Faculty Coordinator	**HOD**	**IQAC Coordinator**	**Principal**
Dr. H. V. Gorewar	Dr. Mrs. S. P. Khandait	Dr. N. R. Dhamge	Dr. Valsson Varghese

Assistant Professor
Department of Information Technology
KDK College of Engineering,
Nagpur - 440024

Head,
Department of Information Technology
KDKCE, Nagpur

IQAC Coordinator
KDK College of Engineering
Nagpur

PRINCIPAL
K.D.K.COLLEGE OF ENGG.
NAGPUR-24.