DEPARTMENT OF COMPUTER APPLICATIONS
AMAL JYOTHI COLLEGE OF ENGINEERING
KANJIRAPPALLY, KOTTAYAM

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SEMINAR STATUS REPORT

SEMINAR PAPER SUMMARY

REPORT DATE	SEMINAR TITLE	AUTHOR/SUPERVISOR
12/04/2024	Deep Learning for Dental Caries Detection and Orthodontic Treatment Analysis	Subin Tom Thomas Meera Rose Mathew

SEMINAR ABSTRACT

Dental caries detection and orthodontic treatment analysis are crucial aspects of dental care, necessitating accurate diagnosis a treatment planning. Deep learning techniques are employed to analyze panoramic X-ray images, aiding in the identification of cari lesions and assessment of orthodontic parameters. Through convolutional neural networks (CNNs), these models enhance the efficier and precision of dental diagnostics, revolutionizing patient care. This seminar explores the application of deep learning in den practice, showcasing its transformative potential in improving diagnostic accuracy and treatment outcomes.

SEMINAR OVERVIEW

TASK	STATUS	VERIFICATION BY SUPERVISOR
Abstract	✓	
Seminar Paper	✓	
Presentation (PPT)	✓	
Implementation	✓	Reason need to add.
Plagiarism Percentage	21%	

DECLARATION

I, Subin Tom Thomas, declare that this seminar paper, titled "Deep Learning for Dental Caries Detection and Orthodontic Treatment Analysis", is my own work. It was guided by Meera Rose Mathew and has not been submitted elsewhere. All referenced work is properly cited.

Signature

Date : 12/04/2024
Place : Kanjirappally

Supervisor Signature with Date : 12/04/2024