

DEPARTMENT OF COMPUTER APPLICATIONS
AMAL JYOTHI COLLEGE OF ENGINEERING
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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 and treatment planning. Deep learning techniques are employed to analyze panoramic X-ray images, aiding in the identification of carious lesions and assessment of orthodontic parameters. Through convolutional neural networks (CNNs), these models enhance the efficiency and precision of dental diagnostics, revolutionizing patient care. This seminar explores the application of deep learning in dental practice, showcasing its transformative potential in improving diagnostic accuracy and treatment outcomes.

SEMINAR OVERVIEW

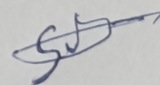
TASK	STATUS	VERIFICATION BY SUPERVISOR
Abstract	✓	
Seminar Paper	✓	
Presentation (PPT)	✓	
Implementation	✗ ✓	Reason need to add.
Plagiarism Percentage	21%	

DECLARATION

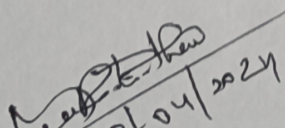
I, Subin Tom Thomas, declare that this seminar paper, titled "Deep Learning for Dental Caries Detection and Orthodontic Treatment Analysis", is my own work. It was guided by Meera Rose Mathew and has not been submitted elsewhere. All referenced work is properly cited.

Date : 12/04/2024

Place : Kanjirappally


Signature

Supervisor Signature with Date :


12/04/2024