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### Title: Role of Artificial intelligence in dentistry; current and future applications

#### Abstract:

Artificial intelligence (AI) has remarkably increased its presence and significance in a wide range of sectors, including dentistry. The models of AI, such as convolutional neural networks and/or artificial neural networks, have shown a variety of applications in endodontics, including studying the anatomy of the root canal system, forecasting the viability of stem cells of the dental pulp, measuring working lengths, pinpointing root fractures and periapical lesions and forecasting the success of retreatment procedures. AI can aid in the advancement of endodontic diagnosis and therapy, which can enhance endodontic treatment results.

Future applications of this technology were considered in relation to scheduling, patient care, drug-drug interactions, prognostic diagnosis, and robotic endodontic surgery. AI should be viewed as an augmentation tool to assist dentists in carrying out more useful tasks, such as integrating patient information and strengthening professional relationships. This presentation is simple approach to understand AI and through a light on its applications in all specialities of dentistry

#### Biography

**Dr Basavaraj T Bhagawati** ,aluminus of Prestigious, KLE University, completed his Undergraduate and post-graduate programs from KLE Dental college Belgaum karnataka, India. He served many Dental schools in India as Professor in the Department of oral medicine and Radiology. He has many many publications in National and international journals. He has conducted many CDE programs in oral medicine and Radiology competency. He is pursuing phd programs at BBD University, India. He is expertise in the diagnosis of oral mucosa lesions, salivary gland Diseases and TMJ Disorders. He has been associated with CBCT centers at his institute. He is presently holding the chair of professor and Head in Oral medicine and Radiology Department, iat Dashmesh Institute of Research and Dental Sciences Faridkot Punjab, which is one of the most recognized Dental schools in Northern India .