# GM Institute of Technology

# Dept. of Artificial Intelligence & Machine Learning

Presentation on

Saturday, 24-Dec-2022 @ 10:30 am

Resource Person

AI/ML on Health Care and How to Build Career in Upcoming Tech Stack



Mr. Arun Kumar C

Senior Engineering Leader at Philips.



Dr. Y Vijaya Kumar

Principal, GMIT

Tejasvi Kattimani TR

Head, Dept. of Training &

**Placement** 

**Keerthi Prasad G** 

HoD, Dept. of AIML

Kavyashree B L

Coordinator., Dept. of AIML

Venue: GM Halamma Auditorium

# **REPORT**

DATE: 24/12/2022

TIME: 10.30 am-12.00.pm

Attendees: Students of I, III and V Semester Students of department AIML.

The technical talk on the *AI in Healthcare &Build career in AI/ML & Blockchain* by Arun C Engineering leader at Philips , Bengaluru, Karnataka, India. More than 120 students of I, III and V semester students are present in that session.

# Important Points presented on technical talk for the students on :-

- The data science learning guide and how it is rapidly growing field with plenty of untapped potentials.
- Machine learning techniques like Classification, Clustering, Regression, Anomaly Detection, Attribute Importance, Feature Extraction, Association, Time Series.
- AI Buzz Words some of them are mentioned below

Artificial Intelligence = linear regression & decision trees

Smart Algorithms = random forest

Next-Gen machine learning = boosted trees

AutoML = import autosklearn

Intelligent Automation = Windows scheduler, crontab

MLOps = docker

Customer-centric data lake = we have customer\_id in our database tables

Serverless Architecture = I have no idea what a server is

Cloud APIs = my dev-ops guy made me click some link

Advanced Analytics = SQL

DataViz Guru = library(ggplot2)

Data Consultant = often draws convenient conclusions from data

Advanced ML/DL = Python

Image Recognition = MNIST

NLP Experts = transfer learning on GTP-3/Bert

Reproducible experiments = jupyter notebooks

Maintain source code = git add. && git commit -m "yolo" && git push origin master

Distributed Analytics = no more MySQL on a laptop

Experimentation Framework = z-tests

Advanced Statistics = random control groups

Customer loyalty focus = we spam them with emails

Centre of Excellence = fancy team name to justify pay rises

HR analytics = people leave, we didn't pay them enough

Analytics at scale = no more excel.

 How AI is implemented in the medical devices and their vast application like the device that detect the cancers cells using Radiology, and also

Adiology-based Thoracic imaging.

Abdominal and pelvic imaging.

Colonoscopy.

Mammography.

Brain imaging.

shared some important concepts on Web 3.0 & Blockchain, it is used in the healthcare system to
preserve and exchange patient data through hospitals, diagnostic laboratories, pharmacy firms,
and physicians. Blockchain applications can accurately identify severe mistakes and even
dangerous ones in the medical field.





# **Photos**





















# POINTS DISCUSSED IN TECHNICAL TALK







































