



JNIESTRT'S
SMT. INDIRA GANDHI COLLEGE OF ENGINEERING
GHANSOLI, NAVI MUMBAI – 400701
(Approved by AICTE New Delhi & Govt. of Maharashtra, Affiliated to University of Mumbai)
COMPUTER ENGINEERING DEPARTMENT

ACADEMIC YEAR :- 2021-22(EVEN SEM)

Deepak H Chourasiya

NAME- DEEPAK H CHOURASIYA
ROLL NO - 77
YEAR - TE SEM - VI
BRANCH - COMPUTER

EXPERIMENT NO : 09

(MINI PROJECT)

TITLE:- IMPLEMENTATION OF AN EXPERT SYSTEM IN PYTHON.

Date of Performance	Date of Evaluation	Marks (10)					Sign / Remark
		A	B	C	D	E	
		2	3	2	2	1	
01/03/22	05/04/22						
		Total Marks					



Date: _____

Date	Experiment / Mini Project	Sign:
01-03-22	Exp:- Implementation of an expert system in python.	Grade:

Aim: Implementation of expert system.
Expert system - Film Recommender using Bolog.

Theory: An expert system is a program that uses artificial (AI) technologies to simulate the knowledge and judgement of humans. Expert system usually include a subject-specific knowledge base and can have additional modules added to expand their capabilities. Typically, an expert system incorporate a knowledge base containing accumulating experience and an inference or rules engine - a set of rules for applying the knowledge base to each particular situation that is described the program. The system's capabilities that be allow them to improve their performance based on experience, just as humans do.

→ The concept of expert systems was first developed in the 1970s by Edward Feigenbaum professor and founder of the



Date: _____

Knowledge systems laboratory at Stanford University. Feigenbaum explained that the world was moving from data processing to "knowledge processing", a transition which was being enabled by new processor technology and computer architecture.

→ Expert systems have played large role in many industries including in financial services, tele-communications, healthcare, customer service, transportation video games, manufacturing, aviation and written communication. Two early expert systems broke ground in the healthcare space for medical diagnosis. Dendral, which helped chemists identify organic molecules, and MYCIN, which helped chemists identify organic molecules, and MYCIN which helped to identify bacteria such as bacteremia and meningitis and to recommend antibiotic and dosages.

→ A more recently developed expert system, ROSS, is an artificially intelligent - attorney based on IBM's Watson cognitive computing system. ROSS relies on self-learning systems that use data mining, pattern recognition, deep learning and natural language processing to mimic the way the human brain works.



Date: _____

→ Expert systems and AI systems have evolved so far that they have spurred debate about the fate of humanity in the face of such intelligence, with authors such as Nick Bostrom, professor of philosophy at Oxford University, wondering if computing power has surpassed our ability to control it.



Date: _____

→ Movie Recommendation System (Flowchart):

