PRASAD V. POTLURI SIDDHARTHA INSTITUTE OF TECHNOLOGY

Department of Computer Science & Engineering

ASSIGNMENT -1 & 2

Course Outcomes		
Upon successful completion of the course, the student will be able to:		
CO1	Understand the basic concepts of Artificial Intelligence.	L2
CO2	Apply the principles of AI in solutions that require problem solving, knowledge representation.	L3
CO3	Apply Planning and Learning for solving AI problems.	L3
CO4	Analyze a given problem and apply AI Techniques.	L4

NAME OF THE CERTIFICATION :	**Infosys Springboard**	
STUDENT FULL NAME:	**Syed Muhammad Afzal**	
STUDENT REGISTRATION NUMBER:	**22502A05H5**	
COURSE:	**B. Tech**	
YEAR / SEM / GROUP	**III-I , G3**	
COURSE NAME: Professional Elective Course - I	**ARTIFICIAL INTELLIGENCE**	
COURSE CODE:	**20CS4501D**	
ACADEMIC YEAR:	**2024-25**	
DATE OF SUBMISSION:		
SIGNATURE OF STUDENT:		
MARKS ALLOTED:	**Assignment-1** **/5**	**Assignment-2** **/5**
NAME AND SIGNATURE OF COURSE COORDINATOR:	**Mr. A. Prashant**	

Learning Outcome

1. Introduction to Artificial Intelligence

This course provided a foundational understanding of Artificial Intelligence (AI) concepts, including machine learning, deep learning, and natural language processing. I learned about the applications of AI in various sectors and explored the ethical considerations surrounding this technology.

2. Introduction to Natural Language Processing (NLP)

This course equipped me with the basics of Natural Language Processing (NLP), a subfield of AI that allows computers to understand and process human language. I explored techniques for text analysis, sentiment analysis, and machine translation, gaining insights into how NLP is shaping communication technologies.

3. Introduction to Deep Learning

This course introduced me to the fundamentals of Deep Learning, a powerful branch of AI that utilizes artificial neural networks. I learned about popular deep learning architectures and explored their applications in areas like image recognition, natural language processing.

4. Introduction to Robotic Process Automation (RPA)

This course provided an overview of Robotic Process Automation (RPA), a technology that automates repetitive tasks. I learned about the benefits of RPA for improving efficiency and reducing human error, gaining insights into its potential impact on various industries.

5. Computer Vision 101

This course offered a foundation in Computer Vision, a field of AI that enables computers to extract information from digital images and videos. I explored image processing techniques, object detection, and facial recognition, understanding how computer vision is revolutionizing diverse applications.

6. Introduction to Data Science

This course introduced me to the core concepts of Data Science, a field that uses data analysis and modeling to extract valuable insights from data. I learned about data collection, data cleaning, data visualization, and predictive modeling techniques, gaining a basic understanding of the data science workflow.

Artificial Intelligence Foundation Certification

Artificial Intelligence Primer Certification

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CERTIFICATE OF ACHIEVEMENT

The certificate is awarded to

Syed Muhammad Afzal

for successfully completing

Artificial Intelligence Primer Certification

on September 10, 2024

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Congratulations! You make us proud!

Issued on: Tuesday, September 10, 2024
To verify, scan the QR code at https://verify.onwingspan.com

Thirumala Arohi
Executive Vice President and Global Head
Education, Training & Assessment (ETA)
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