Artificial Intelligence

Digital Lync

EDUCATION - INNOVATION - INCUBATION

01

Welcome To

Digital Lync

Digital Lync empowers technology seekers by providing world class infrastructure, best quality project based technology education, Research and Development of great products and supports enthusiastic new entrepreneurs.

Our Process

Career Guidance

Expert counsellor advises to match your skills with trending technologies in the industry.

Choose Course

You pick and we guide. We mentor you all along and help you throughout your learning process.

Placement Assistance

We are a link to your awesome future! We recognize, enhance and present your skills to the coolest companies.

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Artificial Intelligence(AI)

Artificial Intelligence (AI, also Machine Intelligence, MI) is intelligence demonstrated by machines in contrast to the Natural Intelligence (NI) displayed by humans and other animals.

DURATION: 40+ HOURS

WHAT YOU NEED TO KNOW

- Complete knowledge on Python
- Complete knowledge on Data Science
- Complete knowledge on Deep Learning
- Mathematics Background (Optional)

Why Artificial Intelligence

AI automates repetitive learning and discovery through data. It adds intelligence to existing products and adapts through progressive learning algorithms. AI analyses more and deeper data using neural networks that have many hidden layers. It achieves incredible accuracy through deep neural networks.

CAREER OPPORTUNITIES

- AI Engineer
- Data Scientist
- AI Architect

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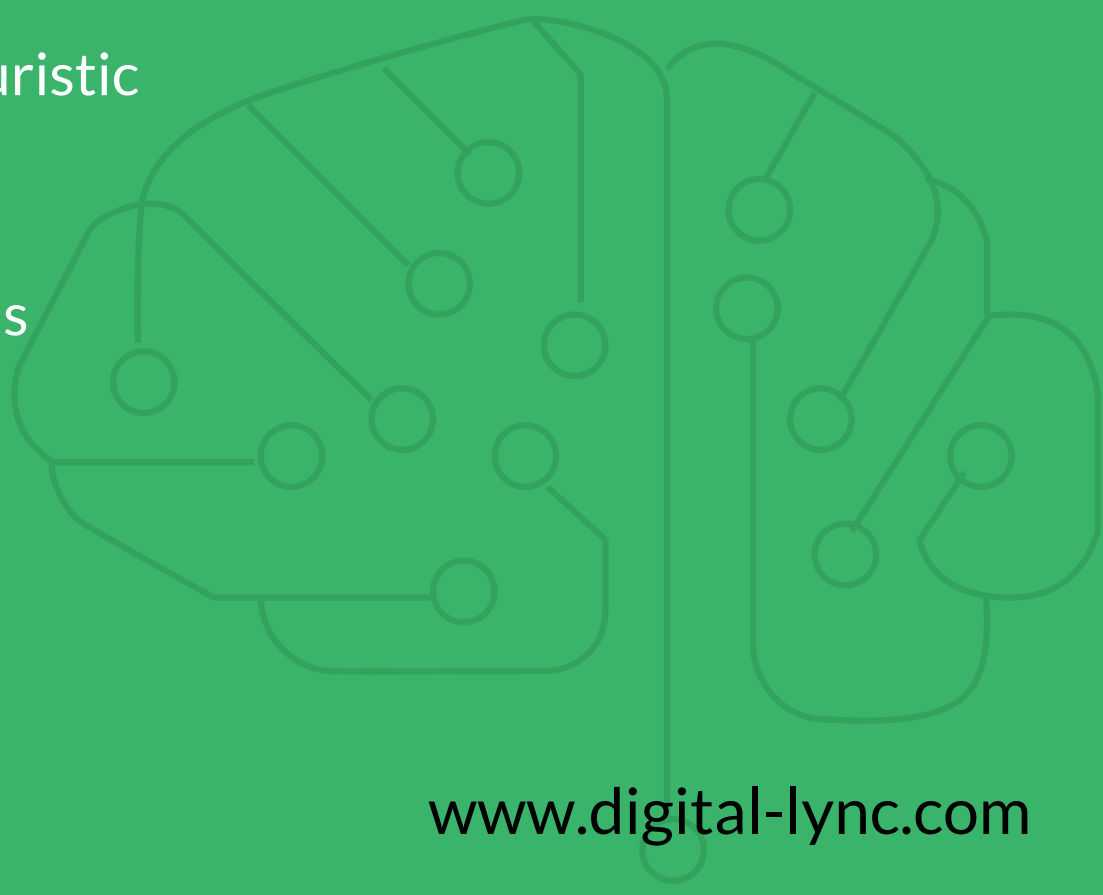
Artificial Intelligence

Curriculum

MODULE 1:
INTRODUCTION & ESSENTIAL IDEAS

- What is AI ?
- The Foundations of Artificial
- Intelligence
- Heavy industries & space
- Speech recognition
- Computer vision
- Expert systems
- Heuristic classification

- Components of AI/ scope of AI
  - Problem solving through heuristic techniques
  - Knowledge representation
  - Handling uncertain situations
  - Theorem proving
  - Game playing
  - NLP
  - Expert systems
  - Computer vision



- Related fields of AI
  - Production systems
    - Set of rules
    - Knowledge data bases
    - Control strategy
    - Rule appliers

  - 2 types
    - Cumulative
    - Decomposable

- Defining intelligence using Turing test
  - Respondents
  - Interrogator

- Problem characteristics
- Problem state space

- State representation
  - 2 examples
    - Towers of Hanoi
    - Choice of trainer

MODULE 2: SEARCH ALGORITHMS

- Uninformed search
- Informed search

MODULE 3: BUILDING GAMES WITH AI

- MiniMax search procedure
- Secondary search
- Quiscence
- Iterative deepening

MODULE 4: KNOWLEDGE REPRESENTATION

- Knowledge representation
- Formalized symbolic logic
  - Propositional calculus
  - Predictive calculus
  - Comparison of above 2
- Deductions
- Forward & backward reasoning
- Theorem proving
- Resolution in logic
- Structured knowledge
- Strong slot & filler structures
- Ontology

MODULE 5: UNCERTAIN KNOWLEDGE AND PROBABILISTIC REASONING

- synopsis/ summary / results of essential probability ideas
- Uncertainty
- Probabilistic reasoning
- Temporal models
- Fuzzy logic

MODULE 6: BUILDING A SPEECH RECOGNIZER

MODULE 7:
OBJECT DETECTION & TRACKING

MODULE 12:
COMMONSENSE & QUALITATIVE PHYSICS

MODULE 12:
LEARNING

MODULE 12:
GENETIC ALGORITHMS

MODULE 12:
EXPERT SYSTEMS

MODULE 12:
INTELLIGENT AGENTS

MODULE 12:
NOTIONS OF SOFT COMPUTING

MODULE 13:
SCOPE AND PLACE OF THE FOLLOWING WITHIN AI

- Neural networks
- Natural Language processing
- Pattern Recognition

03

Artificial Intelligence

Project 1: CHATBOTS

Ever seen that when you ask questions at a chatting portal, automatic reply comes? Even messengers like Facebook Chat, Google Chat etc. have these features. You can even write questions and assistants like Siri, Alexa, Google, respond automatically and perfectly. Well, they are called 'Chatbots'. Now that we know their features, why not make our own chat bot system. How? We'll help you make one.

Project 2: OBJECT DETECTION

Is traffic giving you nuisance? Are you really getting late to office, or your date? Well, the best solution is to provide one, than to expect one. Use Deep Learning and OpenCV to tackle this biggest problem. Learn object detection algorithms and their applications.

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Why Digital Lync

The Best Trainers

Our developers are our trainers! our trainers spend half of their time on products at our innovation center.

Online Classes

Our online experience is as good as in - class experience. Our programs offer end to end personal interaction with students.

We are Committed

We consider your success to be ours. Your achievement is our commitment. We teach until you learn.

Really Affordable

We believe in a collaborative, cool and learn friendly environment. Our promise, is to provide all this for no additional charge.

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Trending Technologies

- Python
- Devops
- AWS
- Azure (Cloud Computing)
- Data Sciences
- Deep Learning
- Artificial Intelligence
- Data Analysis
- Big Data
- FullStack
- Digital Marketing
- Mobile Development
- Blockchain
- Visual Design
- Game Development
- IOT
- Cyber Security

BRANCHES

Gachibowli

Khajaguda, Naga Hills Rd,
Madhura Nagar Colony,
Gachibowli, Hyderabad.

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Kukatpally

Manjeera Trinity Corporate,
1st floor, office no. 106 & 107,
Kukatpally, Hyderabad.

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SR Nagar

31/A , Chitti Classics, Adjacent to
SR Nagar Police Station Signal,
Balkampet Main Road,Hyderabad.

9704661616 / 7093861616

Dilsukhnagar

Near Telephone Colony Arch,
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