

## Center of Excellence in AI Research and Business Solution

### Internship Modules for Engineering students

#### Technical skills

1. Python - Data analysis: Numpy, Pandas, Matplotlib Seaborn
2. Python - Machine Learning: Sklearn
3. Python - Deep Learning: CNN models and RNN models
4. Python - Natural Language Processing: NLTK, SPACY



#### M1: Agricultural AI

1. Crop Monitoring: Real-time crop health analysis.
2. Yield Prediction: Forecast crop yields for better resource planning.
3. Precision Farming: Optimize irrigation and fertilization practices with AI.

#### M3: Healthcare AI

1. Medical Imaging: Enhance diagnostics with AI-powered image analysis
2. Personalized Medicine: Tailor treatments based on patient data.
3. Predictive Health Monitoring: Forecast and prevent health issues with wearable data.

#### M5: Logistics and Operations AI

1. Inventory Management: Optimize stock levels and reduce waste with AI forecasting.
2. Demand Forecasting: Predict future product demand to improve planning and production.

#### M2: Fintech AI

1. Fraud Detection: Identify and prevent fraudulent transactions.
2. Credit Scoring: Improve accuracy of credit risk assessments.
3. Algorithmic Trading: Optimize trading strategies with AI algorithms.

#### M4: Predictive Analytics

1. Customer Churn Prediction: Anticipate and reduce customer turnover.
2. Stock Market Forecasting: Predict market trends for better investments

#### M6: Natural Language Processing

1. Sentiment Analysis: Determine public opinion on social media.
2. Machine Translation: Enhance multilingual communication.  
Chatbots: Develop intelligent virtual assistants for customer support.

#### For Further Information Contact:

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