Edu-versity

MACHINE LEARNING

PROGRAM TYPE

PROFESSIONAL

Our Alumini work at

Microsoft | Capgemini | Deloitte. | IBM | Adobe | EY Building a better working world | BOSCH

WHO ARE WE?

Edu-versity is a comprehensive platform, bridging the gap between Industry based mentors and students. We have curated a wide range of programs consisting of projects, offering practical knowledge and helping them in shaping their career.

We envision becoming a cost-efficient learning partner for every student by providing flexible, virtual specialised programs in collaboration with top-notch companies designed to inculcate industry-required skills along with personal and professional grooming.

Our organisation works on a basic tenet of Invest, Imbibe and Innovate.

WHY CHOOSE US?

Our unique features are:

- Choose your Speed, Master the Skills
- Industry Project Playground
- Resume Building & Aptitude Grooming
- Learn from Industry Mentors from MNCs & Startup Founders
- 100% Placement Assistance
- Exclusive R&D learning content from leading MNCs
- Unlimited Mocks & GDs
- 24*7 Dedicated Support
- Wipro Dice ID Accredited Globally Recognized Certifications
- Get your Internship with 150+ Companies
- 1:1 Counselling Sessions
- Additonal Certifications from Microsoft, Cisco, IBM, Adobe, etc
- Certified Bootcamps & Webinars
- Lifetime Personalized Learning Management System (LMS)
- Access recorded lectures Anytime, Anywhere!!
- Skill Up & Cash In with Performance Based Stipend
- Mentorship by industry experts via live sessions
- Access to our Hiring Partners

WHAT IS MACHINE LEARNING ?

Machine Learning is an important component of the growing field of data science. Through the use of statistical methods, algorithms are trained to make classifications or predictions and to uncover key insights in data mining projects.

These insights subsequently drive decision making within applications and businesses, ideally impacting key growth metrics.

As big data continues to expand and grow, the market demand for Machine Learning and Data Scientists will increase.

SCOPE OF MACHINE LEARNING.

Machine Learning is one of the best career choices of the 21st century. It has plenty of job opportunities with a high-paying salary. Also, the future scope of Machine Learning is on its way to making a drastic change in the world of automation. Further, there is a wide scope of Machine Learning in India.

The machine Learning (ML) market size was USD 15.44 billion in 2021. The market size is expected to rise from USD 21.17 billion in 2022 to USD 209.91 billion by 2029 at a CAGR of 38.8% during the forecast period.

CAREER OPPORTUNITIES

- Machine Learning Engineer
- Data Scientist
- Business Intelligence Developer
- Research Scientist
- Big Data Engineer
- Big Data Architect

HOW CAN YOU START YOUR JOURNEY IN MACHINE LEARNING?

Enrol in our specialised program, learn from industry experts, get guaranteed internships, job opportunities and work on 3+ Advance Industry based projects.

Stay ahead in technology with this Industrial specialised program of Machine Learning in collaboration with 150+ companies. Learn this exciting specialisation with a program featuring curated learning, live interactive sessions, 3 hands-on projects and mentoring. Achieve your career goals with our ML program, rated the highest by our student base.

SPECIALISED PROGRAM CURRICULUM

INDUSTRIAL TRAINING

Session 1

- Introduction to Python and variables
- Introduction to Python
- Applications of Python

Session 2

- Features of Python
- Competitive Analysis

Session 3

- How to download and install Python
- How to install Visual Studio

Session 4

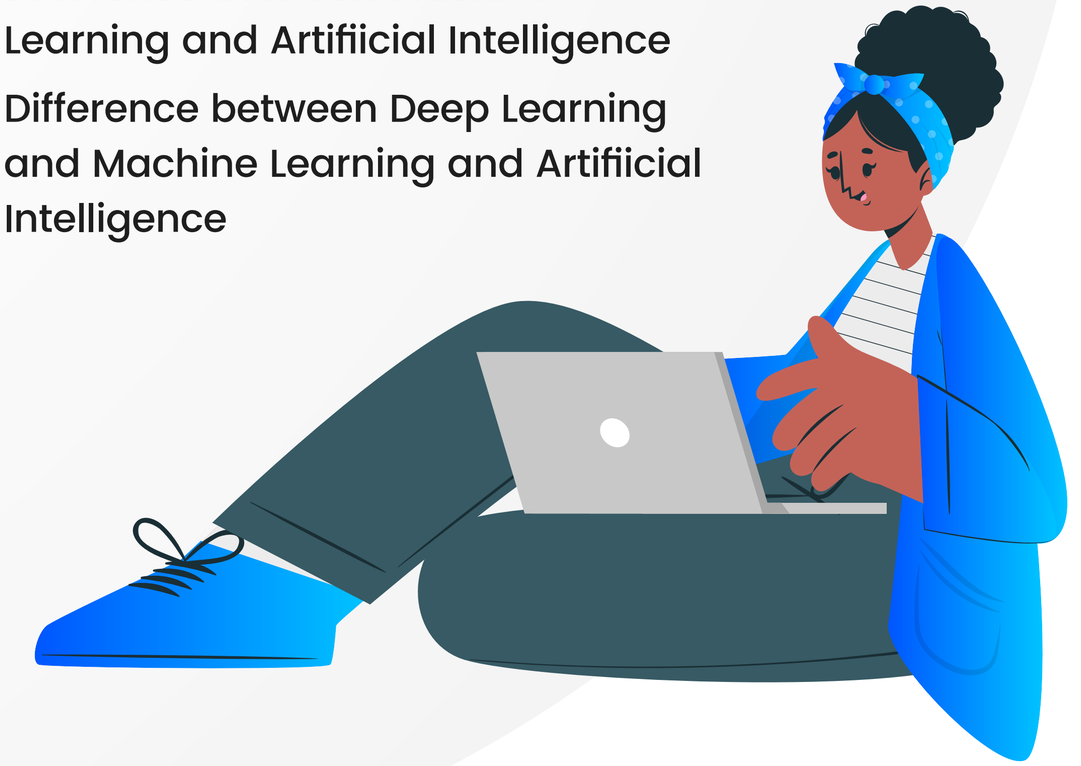
- Python Variables
- How to write Python code in Visual Studio
- Using Variables in Python

Session 5

- Introduction to Machine Learning
- What is Machine Learning
- How human brain takes decision
- Example case of letter F

Session 6

- AI vs ML vs Deep Learning
- Difference between Machine Learning and Artifiicial Intelligence
- Difference between Deep Learning and Machine Learning and Artifiicial Intelligence



Session 7

- Self driving car
- Applications of Machine Learning
- Case study - Self driving car
- Input (Data)
- Output (Decisions)
- Case 1: Moving Object
- Case 2: Static Object
- Case 3: Curved Path

Session 8

- Types of Machine Learning
- Supervised ML
- Unsupervised ML
- Reinforcement ML

Session 9

- Introduction to Supervised Machine Learning
- Brain decision making process
- Supervised Learning

Session 10

- Types of Supervised Machine Learning
- Classification based Supervised Machine Learning
- K- nearest neighbour Algorithm

Session 11

- KNN algorithm
- How the KNN Algorithm works

Session 12

- Logic in the Algorithm
- Example: How to calculate the distance
- Applications of KNN Algorithms

Session 13

- KNN Algorithm in Excel
- Example Case: Calculation of the distance

Session 14

- Linear Regression
- What is Linear regression
- Linear regression for supervised machine learning
- Algorithm - Linear regression
- Example Case: No of users for each year data

Session 15

- Neural network – Introduction and functioning
- Introduction to Neural networks
- The Perceptron
- Functions of a Perceptron
- Weight in Perceptron Algorithm

Session 16

- Functioning of Neural networks
- Functioning of a Perceptron
- Threshold Value
- Bias
- Example Case: Decision making process (School)

Session 17

- Training Neural networks
- Sigmoid Function
- Training a Perceptron
- Error value of the function

Session 18

- Bias and variance
- Limitations of Machine Learning
- Bias
- Variance
- Comparision between Bias and Variance

Session 19

- Fitting in Machine Learning
- Underfitting
- Good Fit
- Overfitting

Session 20

- Unsupervised Machine Learning
- Introduction to Unsupervised Machine Learning
- Supervised vs Unsupervised Learning
- Usage of Unsupervised Learning

Session 21

- K-means clustering
- Introduction to K-means clustering
- How K-means clustering works
- Where K-means clustering is used

Session 22

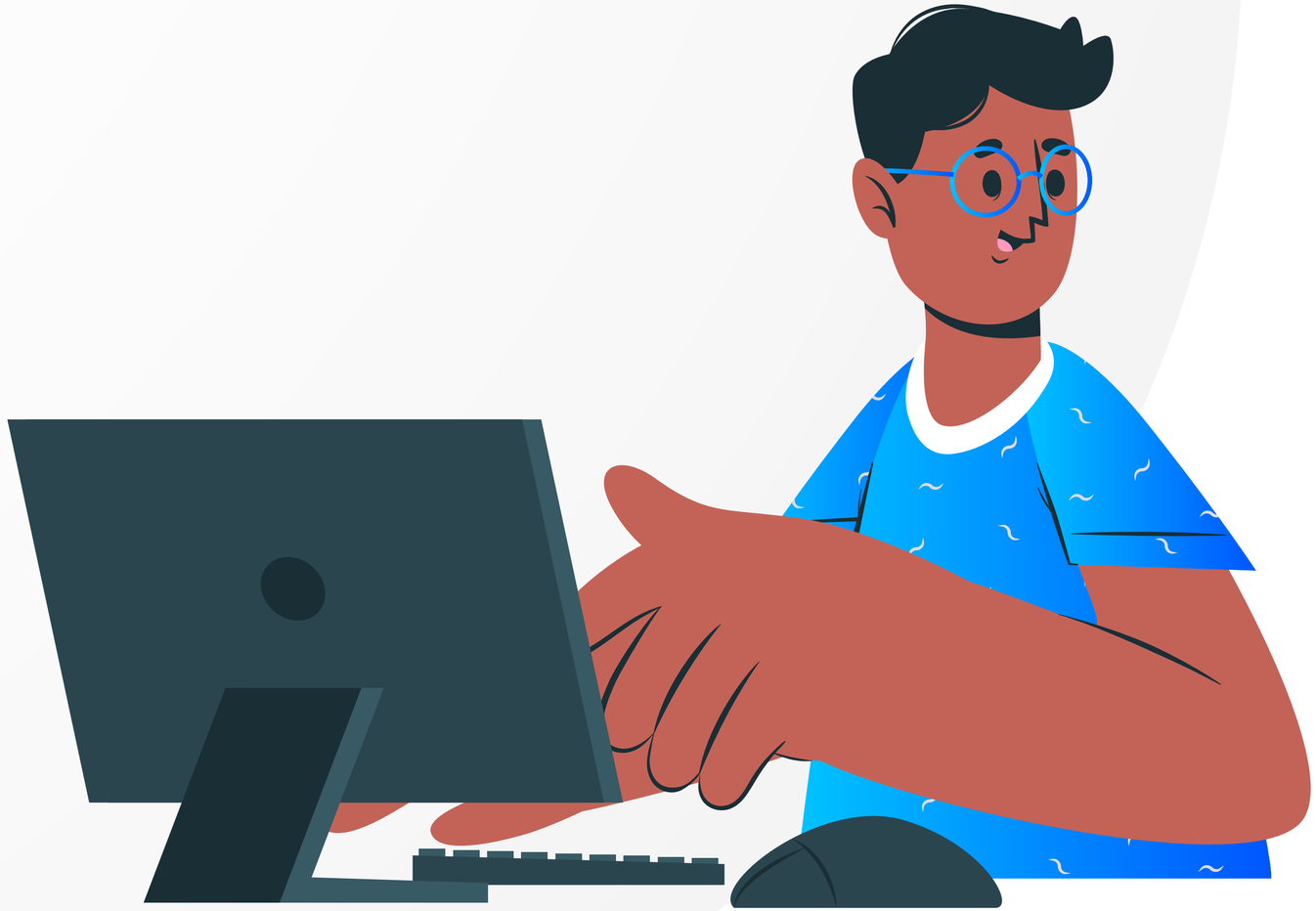
- Reinforcement learning
- Introduction to Reinforcement learning
- How Reinforcement learning works
- Case study - Flappy Bird game
- How Reinforcement learning is used in this case study

QUIZ

ADVANCE INTERNSHIP PROJECTS

Project 1

- Predict Diabetes
- Getting a dataset
- Organizing the Data
- Compiling the Code for the Dataset



Project 2

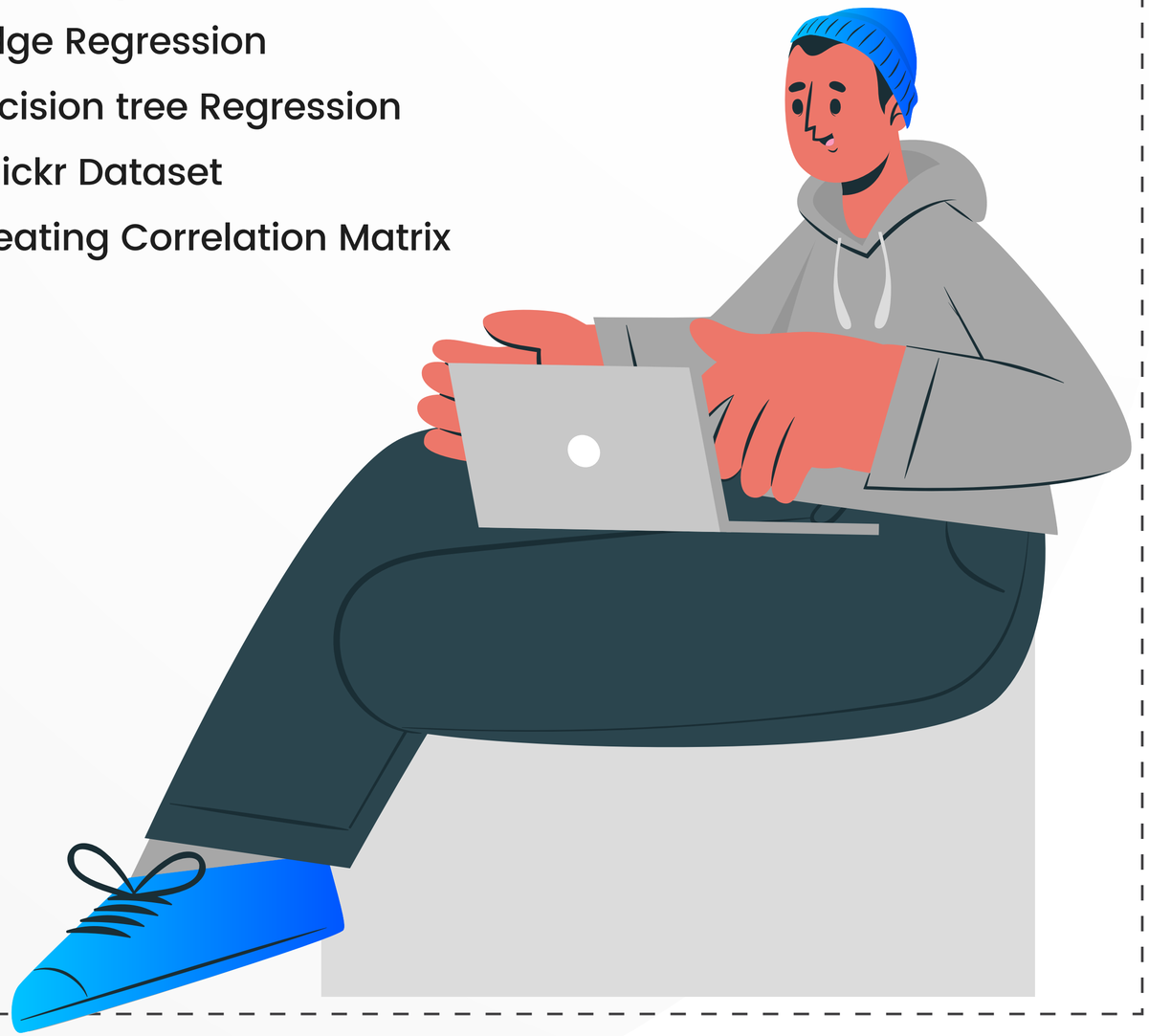
- Fraudulent Transaction
- Getting a dataset
- Organising the Data
- Removing the null values
- Comparing test values with the predicted values
- Achieving high accuracy

Project 3

- Predicting the survival chances in an accident
- Getting a dataset
- Organising the Data
- Removing the null values
- Decision trees

Project 4

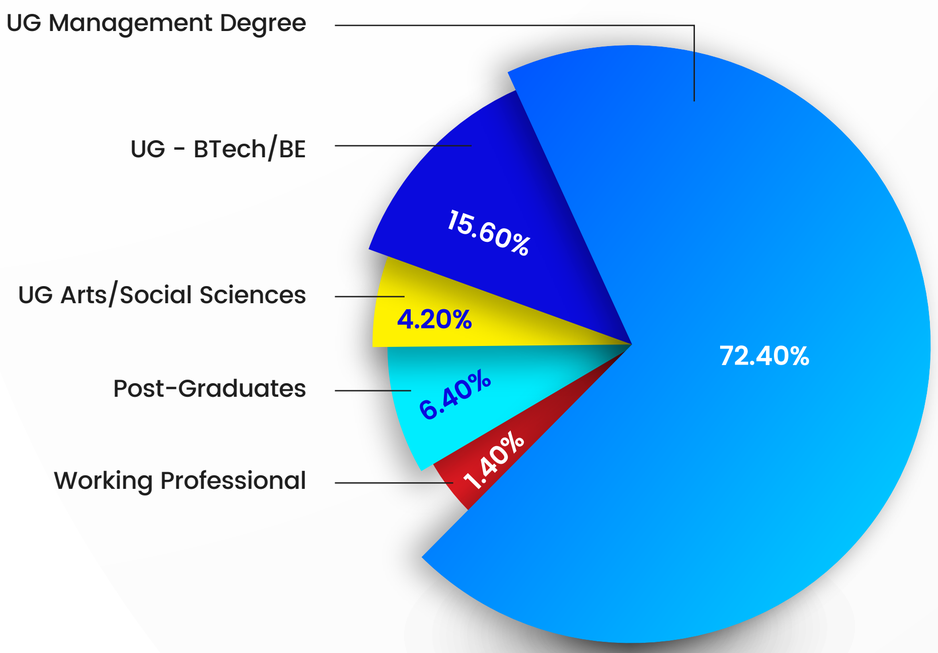
- Second Hand Car Price Prediction
- Linear Regression
- Lasso Regression
- Ridge Regression
- Decision tree Regression
- Quickr Dataset
- Creating Correlation Matrix



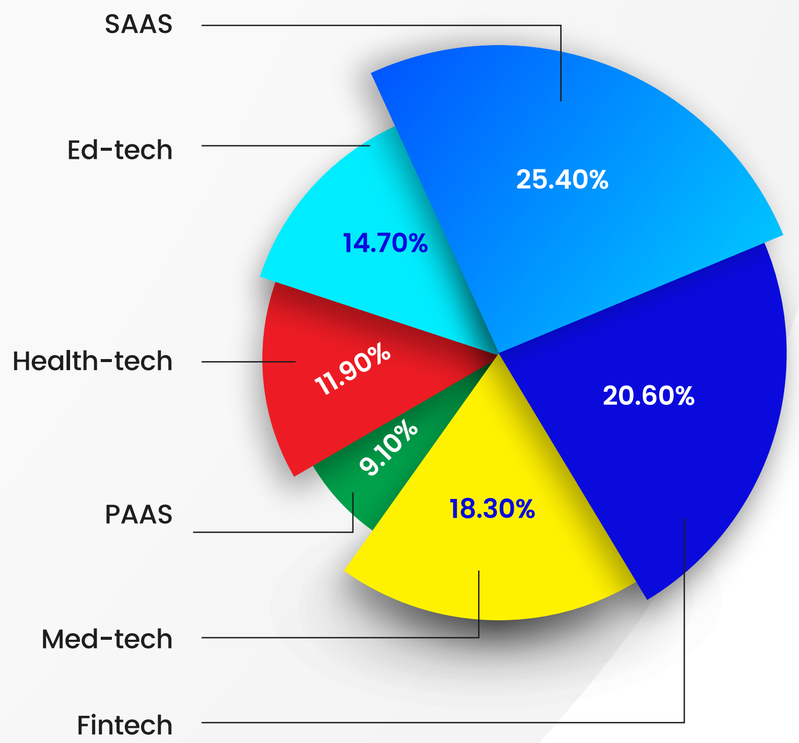
Project 5

- Music Genre Classification
- Dataset from Machine Hack
- Reorganizing the data
- Collaboration feature
- Evaluation of Metrics
- K-fold Cross validation
- Confusion Matrix

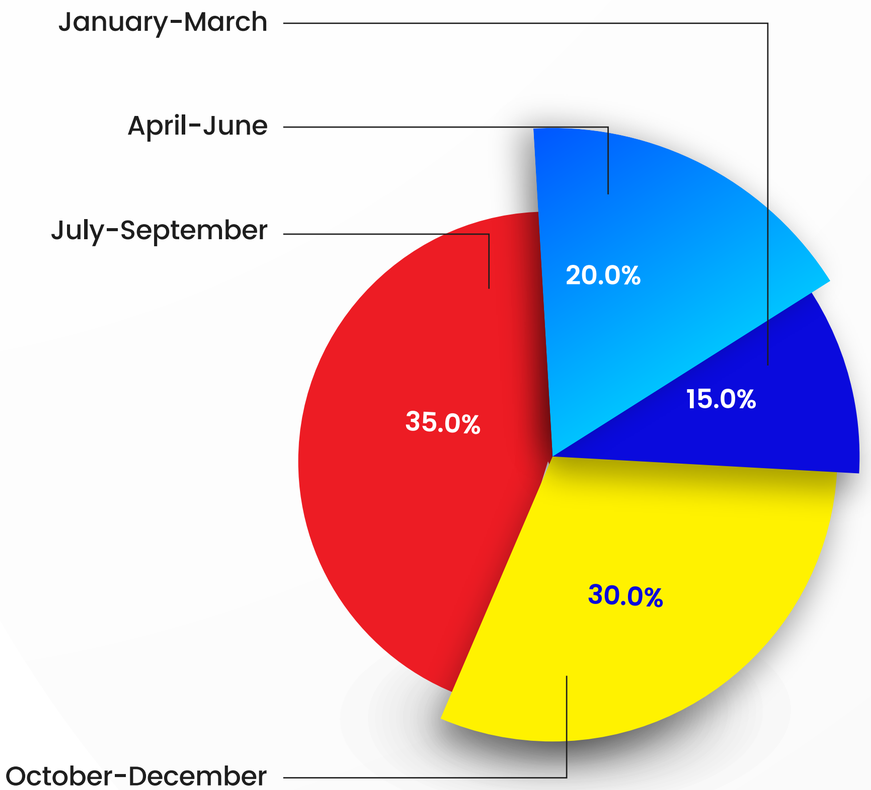
LEARNER'S BACKGROUND



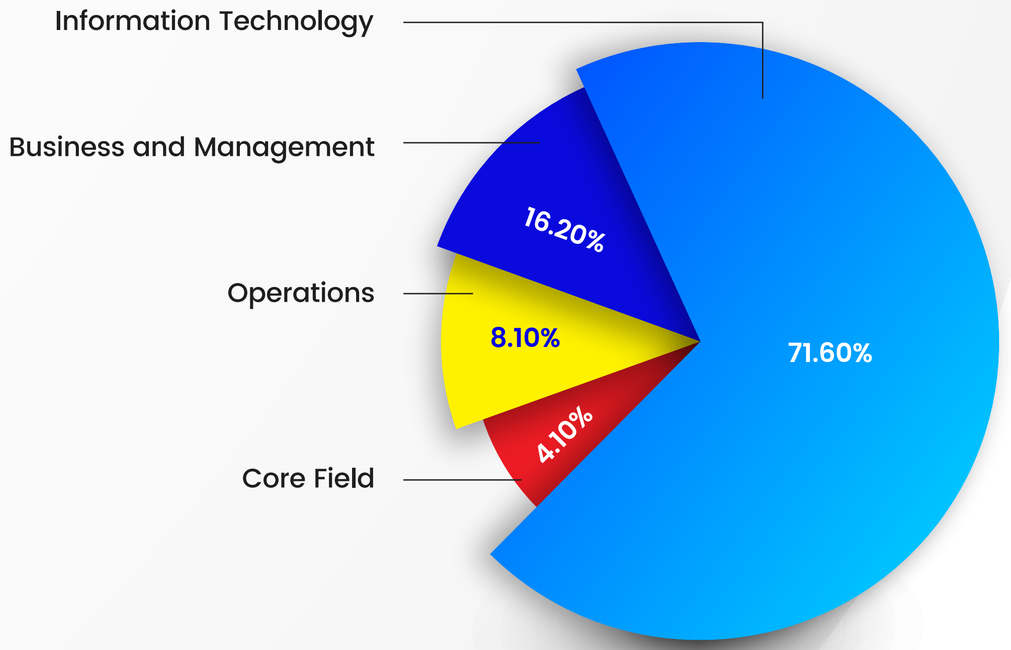
PLACEMENTS RATIO OFFERED AS PER INDUSTRY



QUATERLY PLACEMENT ANALYSIS REPORT



OFFERED PROFILES & FIELDS VIA EDU-VERSITY



Tanay Khandelwal

Lead Engineer-Network Security at Oracle, Ex-United Health Group

Key Expertise Domains: Network Security, Penetration Testing and Cyber Security, Machine Learning

Manu Anand

Associate at BNP Paribas, Ex-Clear, Byjus

Key Expertise Domains: Data Driven Analysis and Algorithms, Machine Learning and Database Management.

WIPRO DICE ID ACCREDITED CERTIFICATIONS

PROFESSIONAL MNC CERTIFICATIONS

OUR AUTHORISED CERTIFICATION PARTNERS

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