



EDIFY TECH SOLUTIONS

MACHINE LEARNING

PROGRAM TYPE

PROFESSIONAL



Our Alumni work at



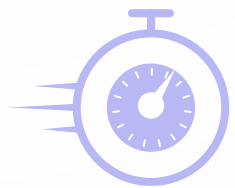
WHO ARE WE?

At **Edufyi Tech Solutions**, we are dedicated to transforming the educational journey for college students by offering cutting-edge virtual internships and comprehensive training programs. Our approach combines industry mentorship with practical experience, providing each student with six real-time and capstone projects per course or domain. These projects are designed to equip students with the skills and experience needed to secure their dream jobs upon graduation



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



Additional
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 ?

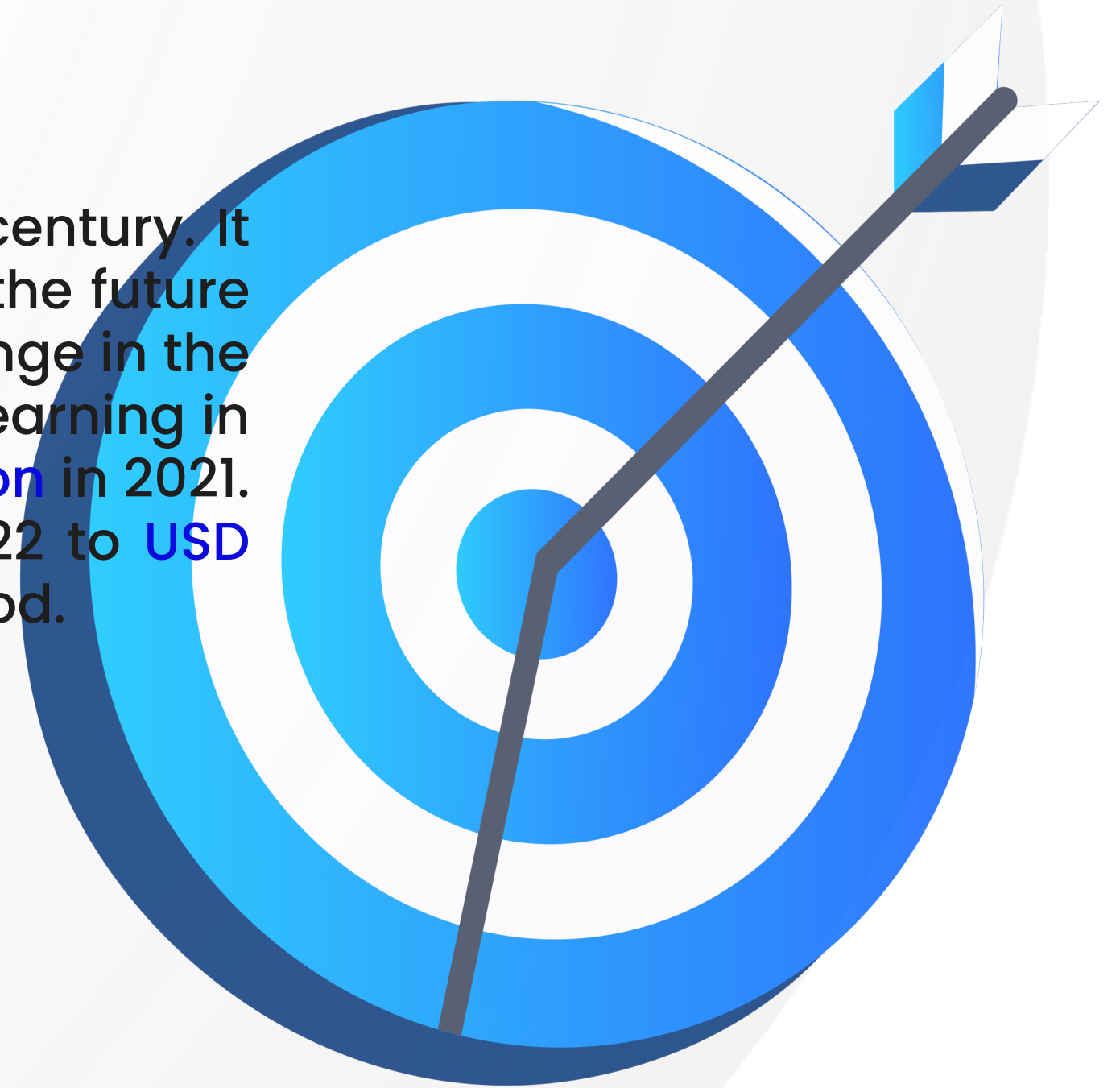
Machine Learning is an important component of the growing field of data science. Through the use of statistical methods, algorithms are trained to make classifications or predictions and to uncover key insights in data mining projects.

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?

Enroll in our specialized program, learn from industry experts, get guaranteed internships, job opportunities and work on [6 Advance Industry](#) based projects. Stay ahead in technology with this Industrial specialized program of Machine Learning in collaboration with 150+ companies. Learn this exciting specialization 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

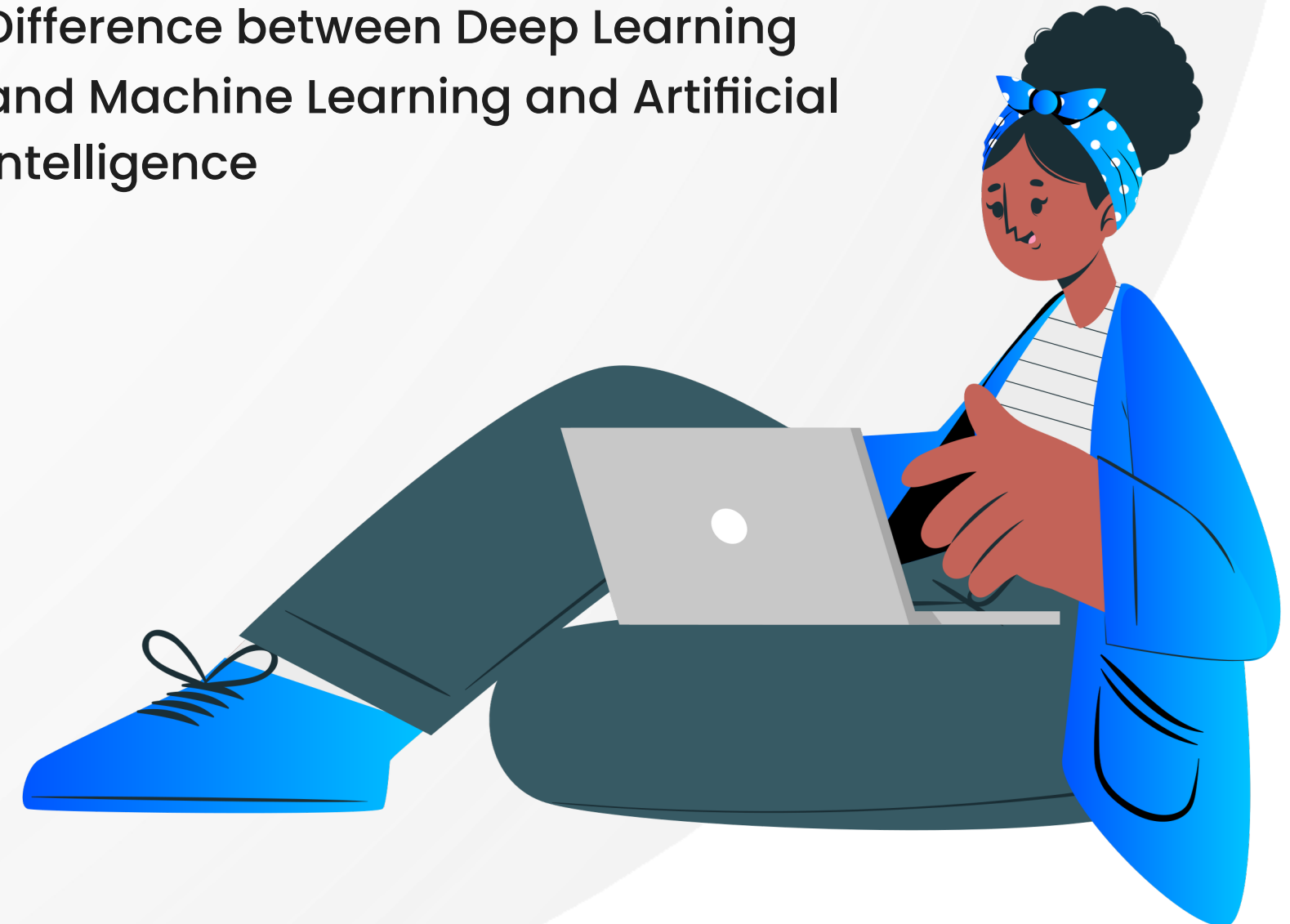
- Python Variables
- How to write Python code in Visual Studio
- Using Variables in Python

● 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 Artificial Intelligence
- Difference between Deep Learning and Machine Learning and Artificial 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
- Comparison 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

Project 2

Project 3

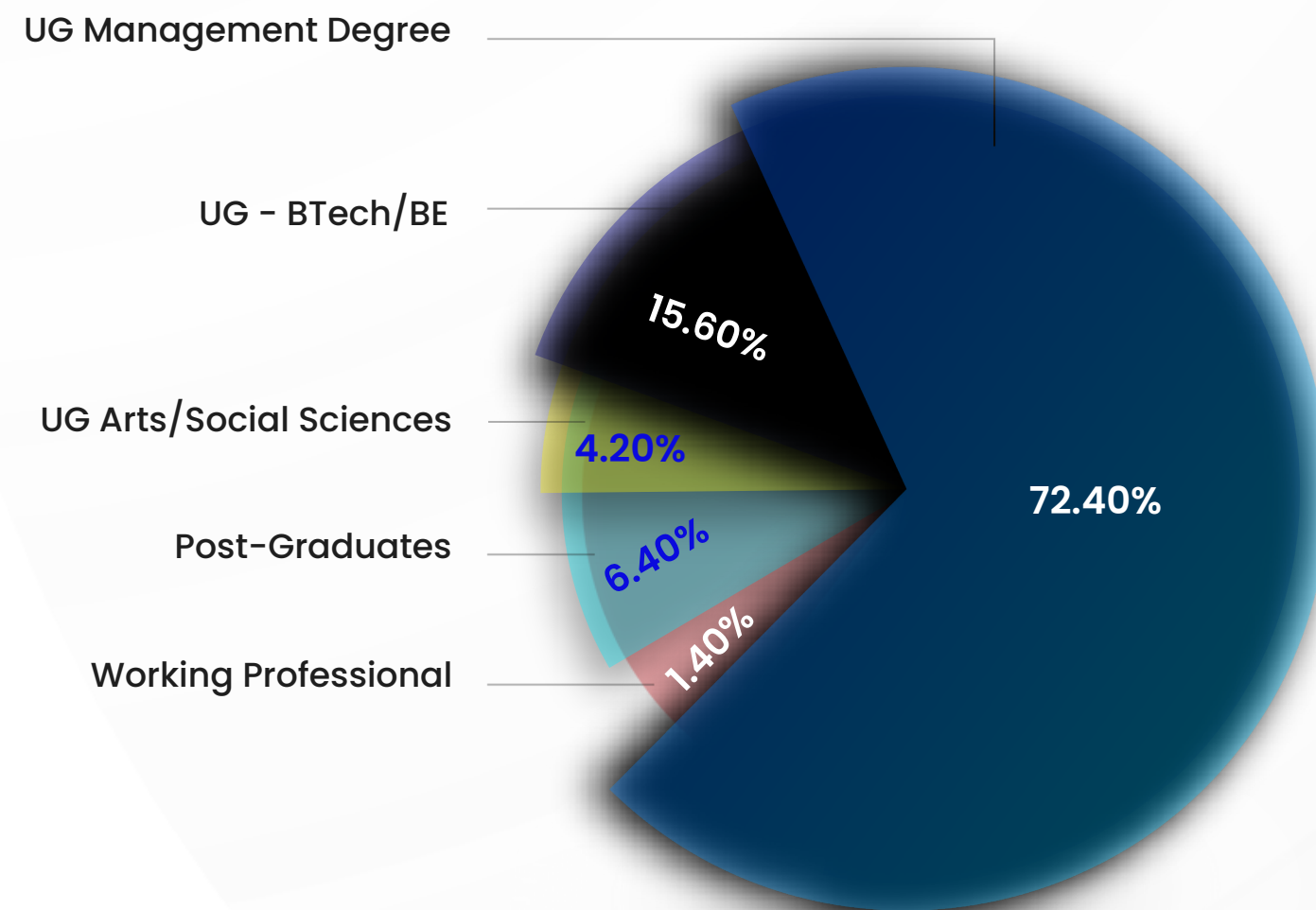
Project 4

Projects 5

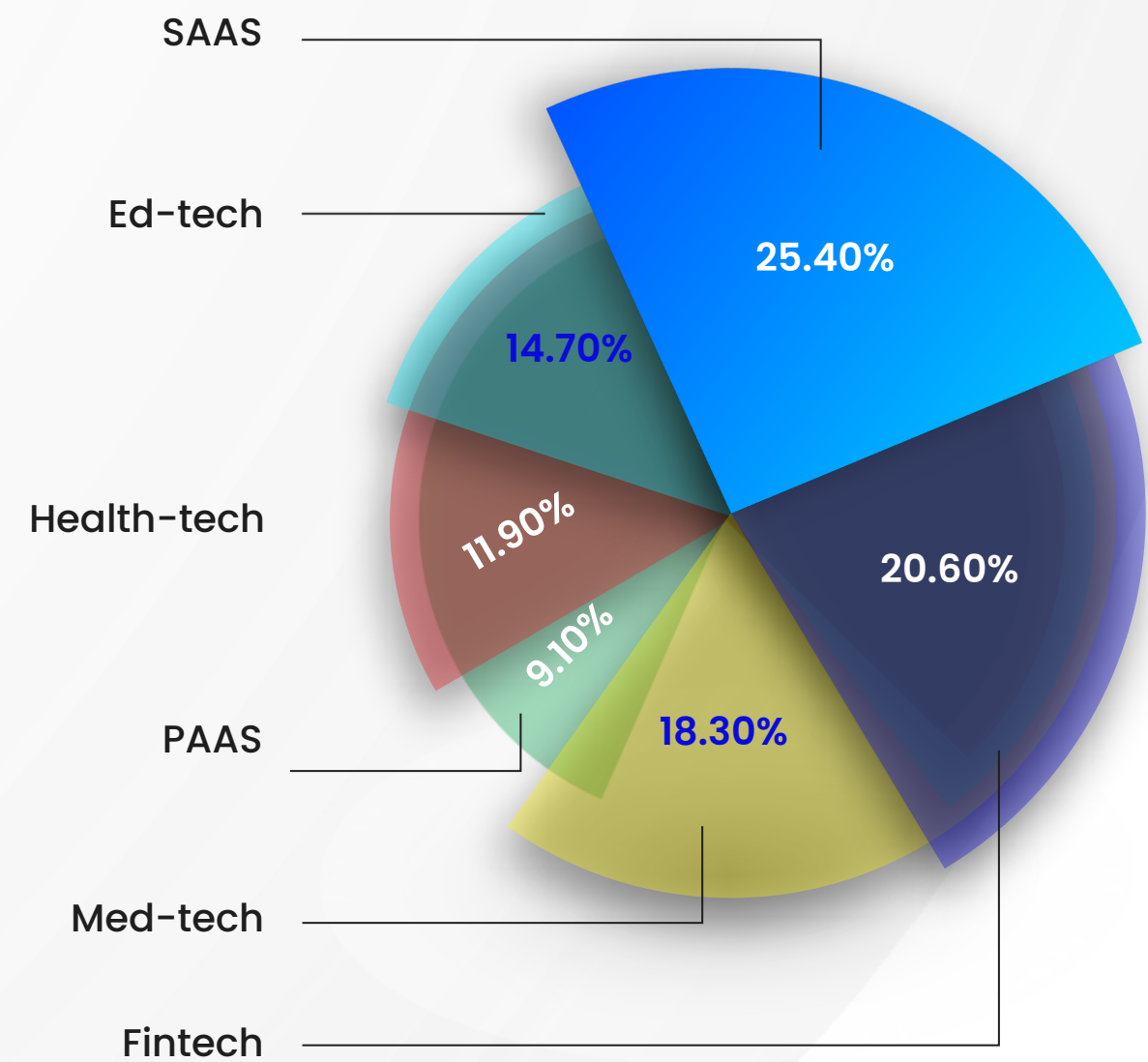
Projects 6



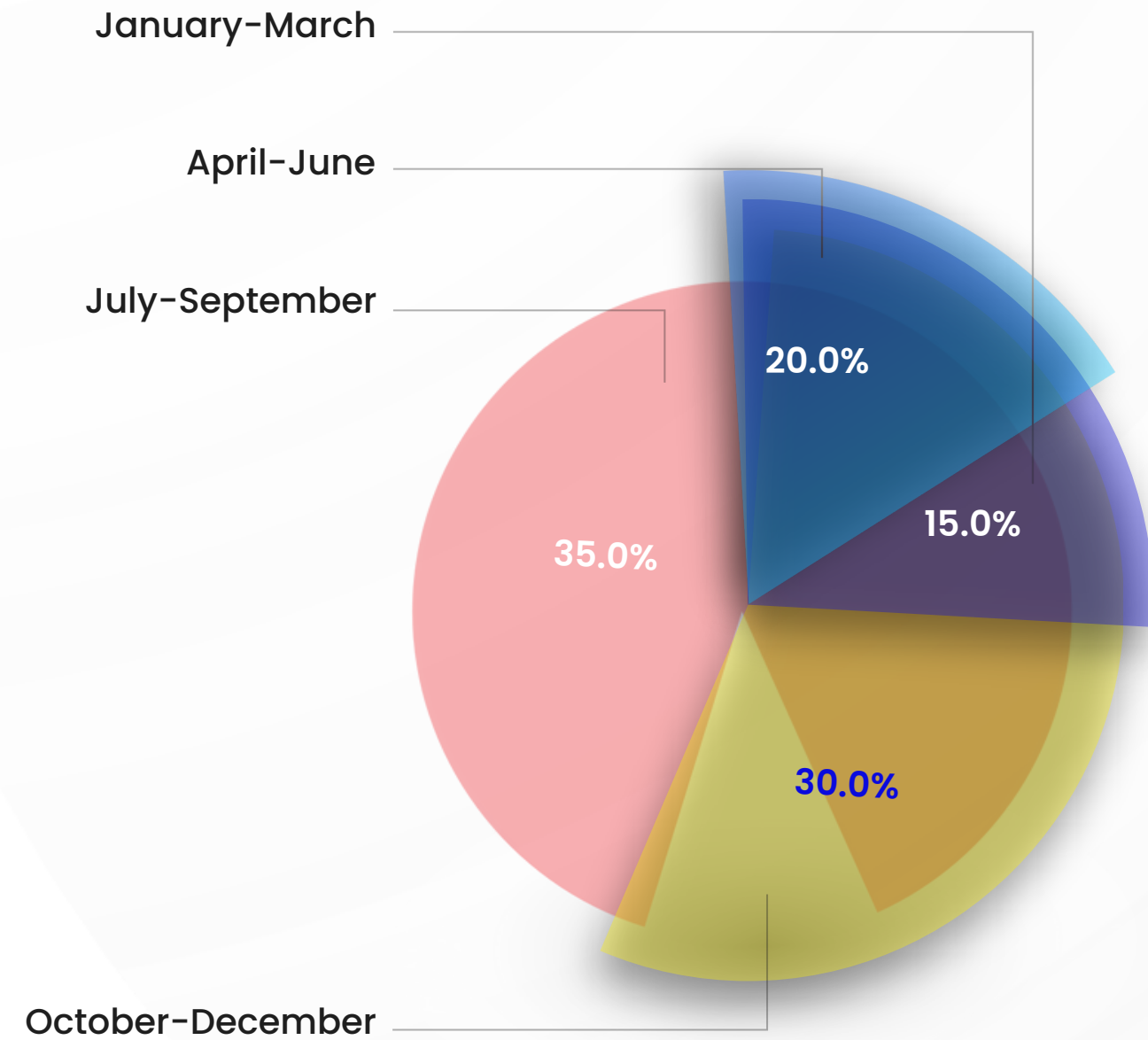
LEARNER'S BACKGROUND



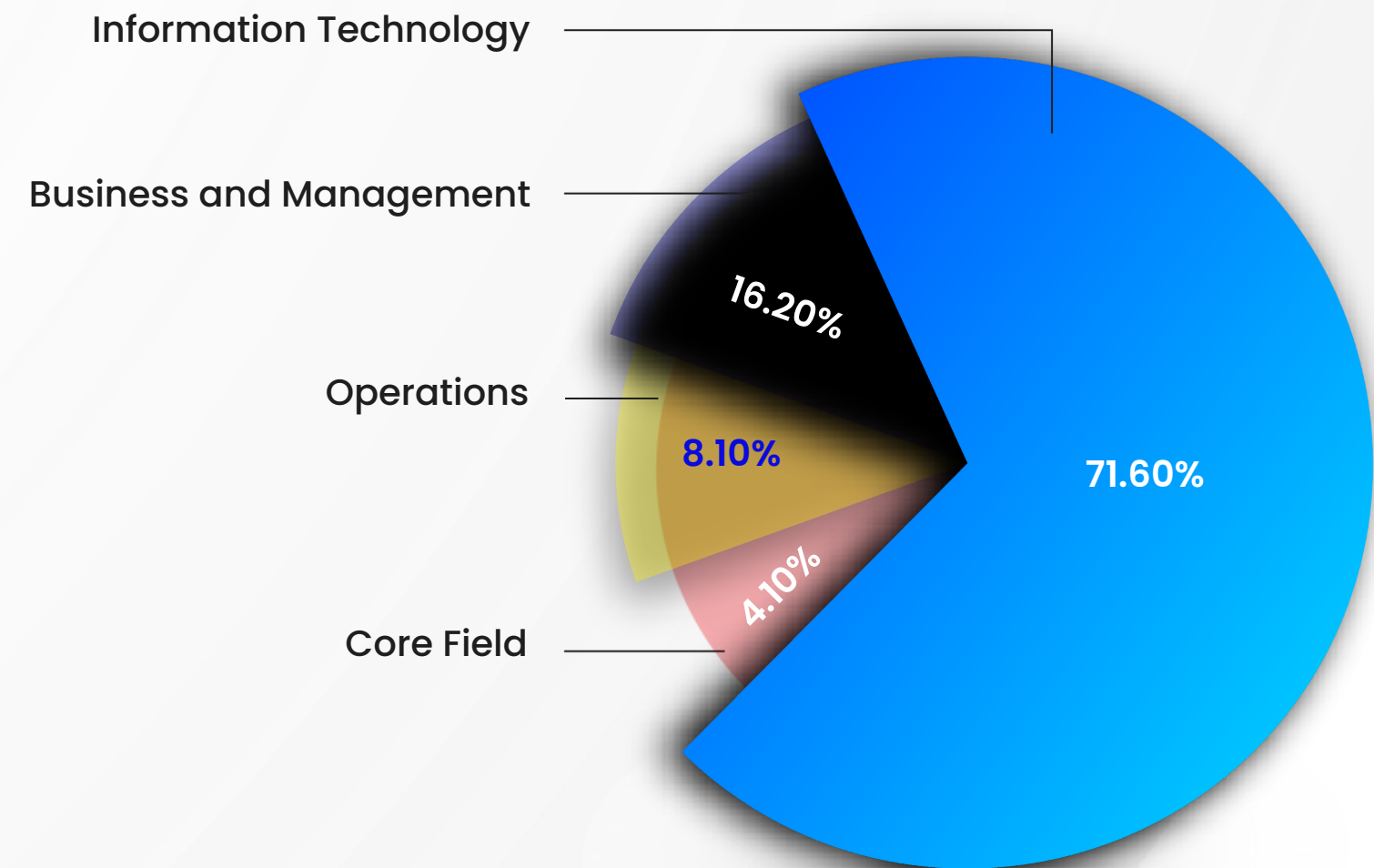
PLACEMENTS RATIO OFFERED AS PER INDUSTRY



QUATERLY PLACEMENT ANALYSIS REPORT



OFFERED PROFILES & FIELDS VIA EDUFYI



WIPRO DICE ID ACCREDITED CERTIFICATIONS



PROFESSIONAL MNC CERTIFICATIONS



OUR AUTHORISED CERTIFICATION PARTNERS



ADOBE



MICROSOFT



QUICKBOOKS



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ESB



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