

## Vocational Training Program

[ B.Tech / Diploma :CS / IT / AI / AIML / DS / ET ]

JAVA CORE	PYTHON	DJANGO
<ul style="list-style-type: none"> <li>❖ Introduction</li> <li>❖ Keywords</li> <li>❖ Operators</li> <li>❖ Control Statements</li> <li>❖ Array</li> <li>❖ Lists</li> <li>❖ OOPS Concept</li> <li>❖ Exceptional Handling</li> <li>❖ Files &amp; Input /Output</li> <li>❖ MySQL Database</li> <li>❖ Project</li> </ul> <p style="text-align: center;">Duration : 4 Weeks</p>	<ul style="list-style-type: none"> <li>❖ Introduction</li> <li>❖ Variables</li> <li>❖ Operators</li> <li>❖ Data Types</li> <li>❖ Functions</li> <li>❖ Statements</li> <li>❖ Modules</li> <li>❖ Exception Handling</li> <li>❖ Class &amp; Objects</li> <li>❖ File Handling</li> <li>❖ Regular Expression</li> </ul> <p style="text-align: center;">Duration : 4 Weeks</p>	<ul style="list-style-type: none"> <li>❖ HTML</li> <li>❖ CSS</li> <li>❖ Bootstrap</li> <li>❖ Model</li> <li>❖ View</li> <li>❖ Template</li> <li>❖ MYSQL</li> <li>❖ Session</li> <li>❖ Validation</li> <li>❖ CRUD Operation</li> </ul> <p style="text-align: center;">Duration : 4 Weeks [6 Weeks with Python]</p>
PHP CORE	LARAVEL	NODE.JS
<ul style="list-style-type: none"> <li>✓ HTML</li> <li>✓ CSS</li> <li>✓ Bootstrap</li> <li>✓ Java Script</li> <li>✓ Work with Template</li> <li>✓ MYSQL Database</li> <li>✓ Variables , Operators</li> <li>✓ Functions, Looping</li> <li>✓ File Uploading</li> <li>✓ File Downloading</li> <li>✓ Session</li> </ul> <p style="text-align: center;">Duration : 5 Weeks</p>	<ul style="list-style-type: none"> <li>✓ Introduction</li> <li>✓ Installation</li> <li>✓ Structure, Configuration</li> <li>✓ Routing</li> <li>✓ Middleware</li> <li>✓ Migration, Model Creation</li> <li>✓ View Rendering</li> <li>✓ DB Operation (CRUD)</li> <li>✓ Session</li> <li>✓ Cookie Management</li> <li>✓ File Uploading</li> </ul> <p style="text-align: center;">Duration : 4 Weeks</p>	<ul style="list-style-type: none"> <li>➤ Basics / Installation</li> <li>➤ Express Framework</li> <li>➤ Express Router</li> <li>➤ Express Middleware</li> <li>➤ Creating Webserver</li> <li>➤ Express Sessions</li> <li>➤ Express File Upload</li> <li>➤ Database Interface with Node.JS</li> <li>➤ Deployment</li> </ul> <p style="text-align: center;">Duration 5 Weeks</p>
ANDROID	FLUTTER	
<ul style="list-style-type: none"> <li>• Building Layouts</li> <li>• UI/Animations</li> <li>• Input/Interactive</li> <li>• Multiple Screen Handling</li> <li>• Android Lifecycle</li> <li>• Audio</li> <li>• Video</li> <li>• JSON Parsing</li> <li>• Networking</li> <li>• Basic Sqlite</li> <li>• Logical Android Project</li> </ul> <p style="text-align: center;">Duration : 5 Weeks</p>	<ul style="list-style-type: none"> <li>➤ Introduction</li> <li>➤ Programming with Flutter</li> <li>➤ Data Structure &amp; Collection in Dart</li> <li>➤ Flutter User Interface</li> <li>➤ Flutter Widgets &amp; Animations</li> <li>➤ Routing and Navigation</li> <li>➤ Firebase Authentication on Flutter</li> <li>➤ Networking and Fetching data (Self Paced)</li> <li>➤ App – Build a Flutter Tip Calculator App</li> <li>➤ Adding Native Code to Flutter App</li> </ul> <p style="text-align: center;">❖ Project [Duration : 5 Weeks]</p>	

### RAYS IT & DESIGN WORLD PRIVATE LIMITED

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MACHINE LEARNING Using PYTHON	Artificial Intelligence
<ul style="list-style-type: none"> <li>• Introduction Machine Learning</li> <li>• Exploring Various Python Notebooks</li> <li>• Classification Algorithms – Logistic Regression</li> <li>• Support Vector Machine Classifier</li> <li>• Titanic Survival prediction using NAIVE BAYES</li> <li>• Plant leaf Iris detection using DECISION TREE</li> <li>• Clustering Algorithms – K-means Algorithm</li> <li>• Evaluating Regression Model Using R-Squared</li> <li>• Breast Cancer tumor Detection using XGBOOST</li> <li>• Deep Learning &amp; Diabetes detection using Simple Neural Network</li> <li>• Covid-19 Detection using CNN</li> <li>• Many more with Projects</li> </ul> <p><b>Duration : 4 Weeks [ with Python 6 weeks]</b></p>	<ul style="list-style-type: none"> <li>• Introduction</li> <li>• ML Primer</li> <li>• Mathematical foundations- Optimization, Linear algebra</li> <li>• Deep Learning Primer / Challenges</li> <li>• Computer Vision and Image Processing</li> <li>• CNN, Object Detectors, image segmentation</li> <li>• Rnn lstm and gru Functional Api</li> <li>• Sequence to Sequence model</li> <li>• Chat bot using rasa and Bert</li> <li>• Speech Recognition, Auto ML and XAI</li> <li>• Reinforcement Learning Q learning</li> <li>• Auto encoder and type Auto Encoder</li> <li>• Gans, types of Gans, Restrict Boltzman Machine</li> <li>• Many more with Projects</li> </ul> <p><b>Duration : 4 Weeks [9-10 Weeks with Python ML]</b></p>

AI-Powered Data Analytics with Python & Excel	VALUE Addition
<ul style="list-style-type: none"> <li>* Introduction to Python &amp; Setup</li> <li>* Working with Jupyter Notebook &amp; Google Colab</li> <li>* Data Handling using NumPy &amp; Pandas</li> <li>* Data Cleaning &amp; Preprocessing Techniques</li> <li>* Exploratory Data Analysis (EDA)</li> <li>* Data Visualization using Matplotlib &amp; Seaborn</li> <li>* Real-world Dataset Analysis</li> <li>* Advanced Excel for Analytics, Functions</li> <li>* Data Cleaning &amp; Formatting Techniques</li> <li>* Pivot Tables &amp; Pivot Charts, Dashboard Design Charts</li> <li>* Business Reporting &amp; Insights <b>[Duration : 5 Weeks]</b></li> </ul> <p><b>[* Add on : Power BI &amp; SQL, + 2 -3 Weeks]</b></p>	<ul style="list-style-type: none"> <li>* Industry Oriented Training</li> <li>* Live Project</li> <li>* Industry Experts Trainer</li> <li>* Personalized Mentorship</li> <li>* Freelancing &amp; Startup Support</li> </ul> <p><b>*Certificate</b></p> <p><b>*Flexible Lab Hours</b></p> <p><b>* Study Materials</b></p> <p><b>* Group Discount :</b> Available for Group of 5 Students or more..</p>

Our Works	Our Products
<ul style="list-style-type: none"> <li>○ Mahtari Vandan Yojna</li> <li>○ Unicef - Hamar Swasth Laika</li> <li>○ DME - Fund Monitoring System</li> <li>○ AWC Infrastructure WCD Department</li> <li>○ Training &amp; Establishment WCD Department</li> <li>○ CG East West Railway Limited Raipur</li> <li>○ Vinayakmusic.com</li> <li>○ Online Pandit</li> <li>○ Core-Cab</li> <li>○ Csvwardha.org <b>[Many more, Visit Our Site]</b></li> </ul>	<ul style="list-style-type: none"> <li>• Task MIS - Manage Office Files &amp; Task</li> <li>• Tax Collection</li> <li>• Aawak Jawak -VIP Bunglow Gate Pass Software</li> <li>• Ecommerce Web / App</li> <li>• School / College ERP</li> <li>• Hospital Management Software</li> <li>• HR Management</li> <li>• Learning Management System</li> <li>• Hotel Management System</li> <li>• Cab Booking</li> <li>• Matrimonial Web / App</li> <li>• Customized Software as per Client Requirements</li> </ul>

**Registration Open** Visit: [www.raysitworld.com/student-registration-form](http://www.raysitworld.com/student-registration-form) (Scan QR)

