



**Robo Kids**

The Future Kid's Technology

# BASIC COURSE

PACKAGE

CODING

**TOTAL : 49 CLASSES**

Visit to our Website  
for respective Course Curriculum  
[www.robokids.com](http://www.robokids.com)

A large, semi-transparent image of a white humanoid robot with blue eyes and the 'URTECH' logo on its chest serves as the background for the entire advertisement.

**Robo Kids**  
The Future Kid's Technology

# ADVANCED

## PACKAGE

CODING

+

ROBOTICS

+

AI

**TOTAL : 49 CLASSES**

ALL IN ONE **STANDARD PACKAGE**

**TOTAL : 147 CLASSES**

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# LEGENDARY STAR

## PACKAGE

ALL IN ONE **STANDARD PACKAGE**

+

UI & UX

PYTHON

APPLIED TECH COURSE

**TOTAL : 301 CLASSES**

BASICS	NO. OF CLASSESS
INTRODUCTION	1
SCRATCH	2
INTRODUCTION TO HTML	1
INTRODUCTION TO CSS	2
NTRODUCTION TO JAVA	2
INTRODUCTION TO PYTHON	8

ADVANCE HTML	NO.OF CLASSESS
HTML INTRODUCTION	1
CENTRE, BOLD,ITALICS, PARAGRAPH	1
LIST, LINKS	1
TABLE, IFRAME	1
DIV, SPAN	1
IMAGE, AUDIO, VIDEO	1
LABEL, INPUT, NUMBER, CHECKBOX, RADIO	1
TEXTBOX, DROPDOWNS, DATE, SLIDER, BUTTON,	1
FORM, SUBMIT, RESET, LEGEND	1
PROJECT	1

**CSS****NO. OF  
CLASSES**

BACKGROUND -COLOUR, COLOUR, FONT	1
BOXMODEL (MARGIN, PADDING, BORDER, HIDE, WIDTH)	1
DISPLAY, POSITION	1
CSS SELECTORS ( ID, CLASS, CHILD, SIBLINGS)	1
PSEUDO SELECTORS ( HOVER, FOCUS)	1
PROJECT	1

**JAVA SCRIPT****NO.OF  
CLASSES**

STATEMENTS	1
VARIABLES	1
OPERATORS	1
DATA TYPES ( ARRAYS, STRINGS, NUMBER, BOOLEAN)	1
OBJECTS	1
FUNCTIONS	1
EVENTS	1
LOOPS ( FOR,FOREACH, WHILE)	1
DOM	1
PROJECT	1

**PROGRESSIVE WEB APP****NO.OF  
CLASSES**

INTRODUCTION	1
MANIFEST	1
OFFLINE	1
DEMO	1
LIVE	3



BASICS	NO. OF CLASSES
INTRODUCTION TO ROBOTICS	1
BASICS OF ROBOTICS	2
FIRST ARDUINO PROJECT	2
SECOND ARDUINO PROJECT	2
THIRD ARDUINO PROJECT	2
FOURTH ARDUINO PROJECT	2
FIFTH ARDUINO PROJECT	1
SIXTH ARDUINO PROJECT	1
FINAL PROJECT	3

ADVANCE	NO. OF CLASSES
LED CONTROL USING ARDUINO AND POTENTIOMETER	1
LCD INTERFACING WITH ARDUINO	1
MATRIX KEYPAD WITH ARDUINO	2
GETTING STARTED WITH EMBEDDED C	3
SENSORS AND THEIR APPLICATIONS	1
TEMPERATURE SENSOR/ PIR SENSOR	2
INFRARED SENSOR	1
HUMIDITY SENSOR	1
MOISTURE SENSOR	1
MINI PROJECT 1 – LINE FOLLOWER ROBOT	6
MINI PROJECT 2 – AUTOMATED GARDEN	5
MINI PROJECT 3 – BURGLAR ALARM	5
MINI PROJECT 4 – SMART WALKING STICK	4

**BASICS****NO.OF  
CLASSES**

AI INTRO, BOT DEMO	1
INTRODUCTION TO DIALOGUE FLOW INTERFACE AND BASIC SETUP	1
INTENTS, ENTITIES	4
CONTEXTS	2
CUSTOM PAYLOAD	3
DEPLOYMENT	5

**STATISTICS****NO.OF  
CLASSES**

DESCRIPTIVE STATISTICS (DATA COLLECTION/EDA/INTERPRETATION)	2
ZDISTRIBUTIONS (DATA VISUALIZATION)	3
HYPOTHESIS TESTING (HYPOTHESIS AND ASSUMPTION/CORRELATIONS AND ERRORS)	3
REGRESSION (LINEAR REGRESSION FROM SCRATCH )	3

**PYTHON BASICS**
**NO. OF  
CLASSES**
**BASICS OF PYTHON**
**8**
**PANDAS ( BASICS AND KEY IMPLEMENTATIONS)**
**1**
**NUMPY ( BASICS AND KEY IMPLEMENTATIONS)**
**1**
**SCIKIT LEARN ( INTRO TO LIBRARIES AND FEATURES)**
**1**
**PLOTLY ( DATA VISUALIZATIONS IN PYTHON)**
**1**
**N L P**
**NLP COURSE**
**NO. OF  
CLASSES**
**PROJECTS**
**NO.OF  
CLASSESS**
**NLTK  
( TEXT PROCESSING  
AND TEXT ANALYSIS )**
**2**
**INTRODUCTION TO  
PROJECT (SELECTION  
OF FINAL PROJECT)**
**1**
**SPACY ( TEXT  
PROCESSING / TEXT  
ANALYSIS / ENTITY  
RECOGNITION )**
**2**
**PROJECT COMPLETION  
(PROJECT REVIEW AND  
COMPLETION)**
**2**
**RASA ( NATURAL  
LANGUAGE  
PROCESSING )**
**2**
**DIALOGUE FLOW  
( NATURAL LANGUAGE  
PROCESSING  
GOOGLE API)**
**1**



**FUNDAMENTALS OF  
IMAGEMAKING**
**NO.OF  
CLASSES**

INTRODUCTION TO IMAGEMAKING

1

DENOTATIVE IMAGEMAKING

1

DENOTATIVE IMAGEMAKING 2

1

TECHNIQUES OF IMAGEMAKING

1

PROCESS, GENERATION, ITERATION

1

PRINTING WITH AN OBJECT

1

DUCT TAP PRINTS

1

IMPROVISED " LIGHT TABLE"

1

CONNOTATIVE IMAGEMAKING

1

**FUNDAMENTALS OF TYPOGRAPHY**
**NO.OF  
CLASSES**

INTRODUCTION TO TYPOGRAPHY

1

THE ANATOMY OF LETTERS

1

WORDS AND SPACING

1

TYPE SIZE : THE POINT SYSTEM

1

TYPESETTING TEXT

1

TYPEFACES, FONTS AND TYPE FAMILIES

1

TYPEFACE CATEGORIES

1

DENOTATION IN TYPE

1

CONNOTATION IN TYPE

1

LOOKING AT LETTERFORMS

1

EXPERIMENTING WITH LETTERFORMS

1

TYPOGRAPHIC COMPOSITION

1

## FUNDAMENTALS OF SHAPE & COLOUR

### NO.OF CLASSES

INTRODUCTION TO SHAPE & COLOUR

1

GRAPHIC SHAPES

1

VISUAL CONTRAST

1

MARKS, ICONS, AND SYMBOLS

1

NEGATIVE/ POSITIVE, FIGURE/GROUND

1

WORKING WITH COLOUR

1

THE COLOUR WHEEL

1

MIXING COLOUR . PAINT, PRINT &  
SCREEN

1

RHYTHM AND PATTERN

1

## FUNDAMENTALS OF COMPOSITION

### NO.OF CLASSES

INTRODUCTION TO COMPOSITION

1

PRINCIPLES OF COMPOSITION

1

VISUAL CONTRASTS

1

SINGLE CONTRASTS

1

MULTIPLE CONATRASTS

1

TYPE CONTRASTS

1

IMAGE CONTRASTS

1

COMPOSITION IN A SINGLE IMAGE

1

CROPPING AND HIERARCHY

1

COMPOSITION IN CONTEXT

1

## UI DESIGN PROCESS

## NO.OF CLASSES

DESIGN PROCESS INTRODUCTION

1

DESIGNING TO ADDRESS A PROBLEM W/O SOLUTION IDEAS

1

DESIGNING FOR A KNOWN SOLUTION DIRECTION

1

DESIGNING TO ITERATE ON / IMPROVE AN EXISTING SOLUTION

1

COMMON ELEMENTS

1

USABILITY ENGINEERING AND TASK – CENTERED APPROACHES

1

USE CASES, PERSONAS, TASKS, AND SCENARIOS

1

INTRO TO DESIGN- CENTERED APPROACHES

1

DESIGN – CENTERED METHODS & WHEN THEY WORK BEST

1

PULLING IT ALL TOGETHER. BEST FROM EACH ; PRACTICAL TECHNIQUES FOR SOMEONE WHO ISN'T A TRAINED DESIGNER

1



**BASICS**
**NO.OF  
CLASSES**

P.L FUNDAMENTALS AND INSTALLATION

1

BODMAS AND MATHEMETICAL CALCULATIONS

1

DATA TYPES, VARIABLES , PRINT() , INPUT()

1

OPERATORS AND CONDITIONAL STATEMENTS

1

LOOPING STATEMENTS

1

LIST AND ARRAY

1

FUNCTIONS, AND LIBRARY: TKINTER

1

FINAL PROJECT COMPLETETION

**ADVANCE**
**NO.OF  
CLASSES**

FUNCTIONS, TYPES OF FUNCTION,(LIST WITH FUNCTIONS)

1

ADVANCE FUNCTION ( LAMBDA FUNCTION)

1

FILTER(), MAP(),REDUCE()

1

CONCEPTS OF II DECORATORS II MODULES II

1

RECURSSION

1

SPECIAL VARIABLES : ( NAME AND MAIN )

1

CONCEPT OF OOPS AND SYNTAX TO CREATE A CLASS AND ITS OBJECTS

1

CONSTRUCTORS, \_INIT\_(),SELF AND COMPARING,TYPES OF VARIABLE IN CLASS  
AND SCOPE OF A VARIABLE

1

TYPES OF METHOD IN CLASS

1

INNER CLASS, INHERITANCE AND CONSTRUCTOR IN INHERITANCE

1

POLYMORPHISM, METHOD OVER-LOADING AND OPERATOR OVER LOADING

1

ABSTACT CLASS AND METHOD AND EXCEPTION HANDELLING

1

FILE HANDELLING

1

INTRODUCTION TO TKINTER

1

( INSTALLATION ) AND BASICS \*\*\*\*\*GUIDENCE FOR PROJECT\*\*\*\*\*

\*\*\*\*\*MUSIC PLAYER USING PYTHON\*\*\* PART 1

1

\*\*\*\*\* MUSIC PLAYER USING PYTHON\*\*\* PART 2

1

\*\*\*\*\*MUSIC PLAYER USING PYTHON\*\*\* PART 3

1



**APPLIED TECH COURSES****NO.OF  
CLASSES**

INTRODUCTION

2

TECHNOLOGY USED

3

REAL LIFE CASES

2

ACTIVITY

3

**APPLIED TECH COURSES**DATA  
SCIENCEINTERNET  
OF  
THINGS

BLOCK CHAIN

AUTONOMOUS  
VEHICLEAUTONOMOUS  
UNDER WATER  
VEHICLEAUTOMOTIVE  
DESIGN  
TECHNOLOGY

SPACE TECH

RENEWABLE  
ENERGY