

**EDGE-AI**



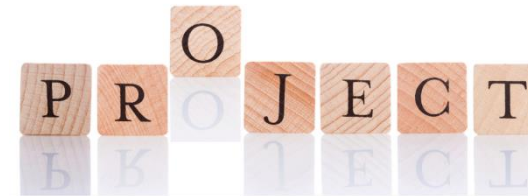
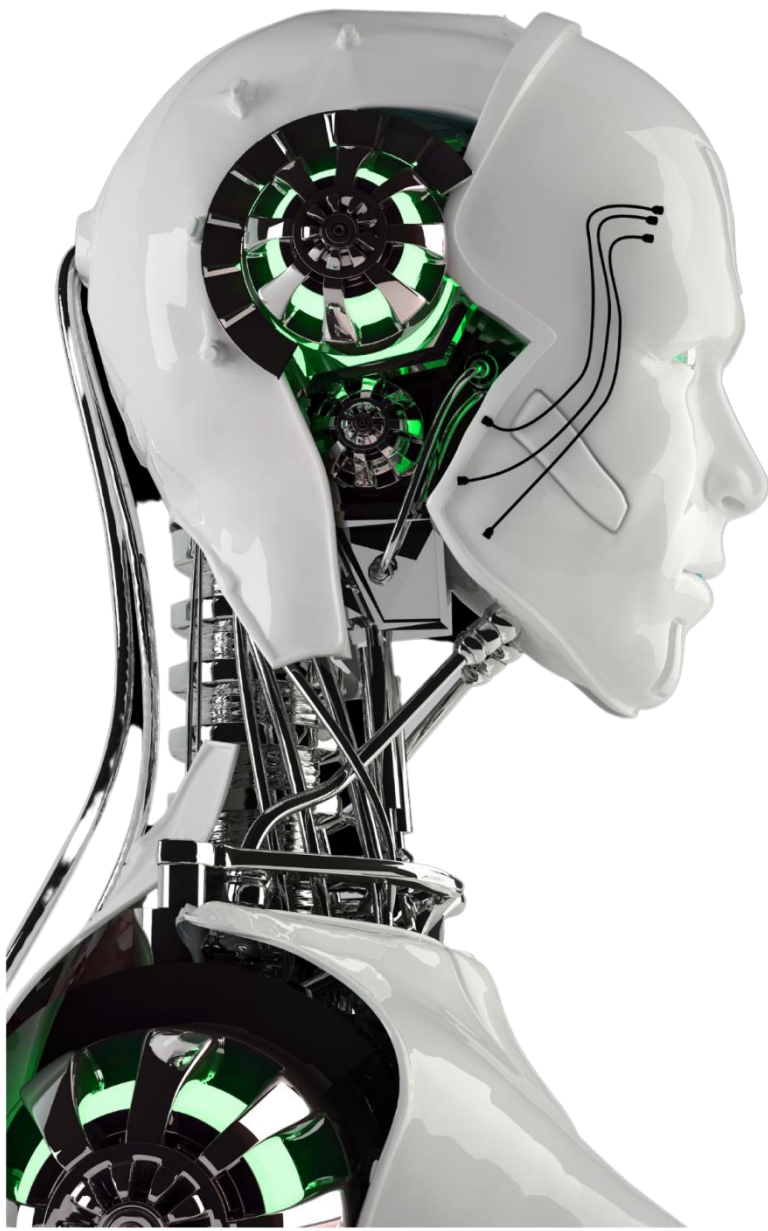
**Advance  
Robotics**



**INDUSTRY-4.0+**



# Embedded Systems Engineering



PRODUCING ENGINEERS ...

## Embedded C programming

- Basic C Brush Up
- Embedded C programming
- Advance C Programming
- Hardware Programming
- Interfacing Hardware Modules

## ARM MCU Programming

- ARM Processor
- MCU Programming
- Device Interfacing
- Projects



## Linux Internals

- Shell Scripting
- Make Files
- Signals
- File System
- Memory Mgmt
- Process
- Threads
- IPC
- Socket

## eLinux Porting

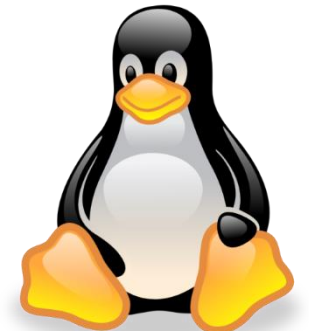
- Building Embedded Linux from Scratch
- Toolchain
- Bootloader
- Kernel
- Root File System
- Device Tree
- Board File

## Linux Device Drivers

- Kernel Module Programming
- Linux Driver Framework
- Character Drivers
- IOCTL Implementation
- Interrupts Handling
- I2C Driver
- SPI Driver
- Intro to Network & USB
- Intro Sound & PCIe Drivers

## Yocto

- Yocto Architecture
- Recipes
- Meta Layers
- BSP Layers ADK



Firmware Developer

Embedded Application Developer

RTOS Developer

Hardware Developer

Linux Application Developer

Linux System Developer

Linux Kernel Developer

Linux BSP Developer

Yocto Linux Developer

Linux Device Driver Developer

# Get into CORE Domain Companies

Texas Instruments  
NXP  
ST Microelectronics  
Microchip  
Renesas  
Qualcomm  
AMD Xilinx  
Intel  
Broadcom  
Synopsys  
Cadence

**SEMICONDUCTOR**

Honeywell  
Ingersoll Rand  
Schneider  
Siemens  
L&T  
Titan Engineering  
Rockwell  
Mitsubishi  
Omron  
ABB  
GE

**INDUSTRIAL  
AUTOMATION**

Bosch  
Continental  
Minda Group  
Delphi  
Tata Motors  
Ashok Leyland  
TVS Motors  
Mercedes-Benz  
Siemens  
Medha Servo  
Advance Rail

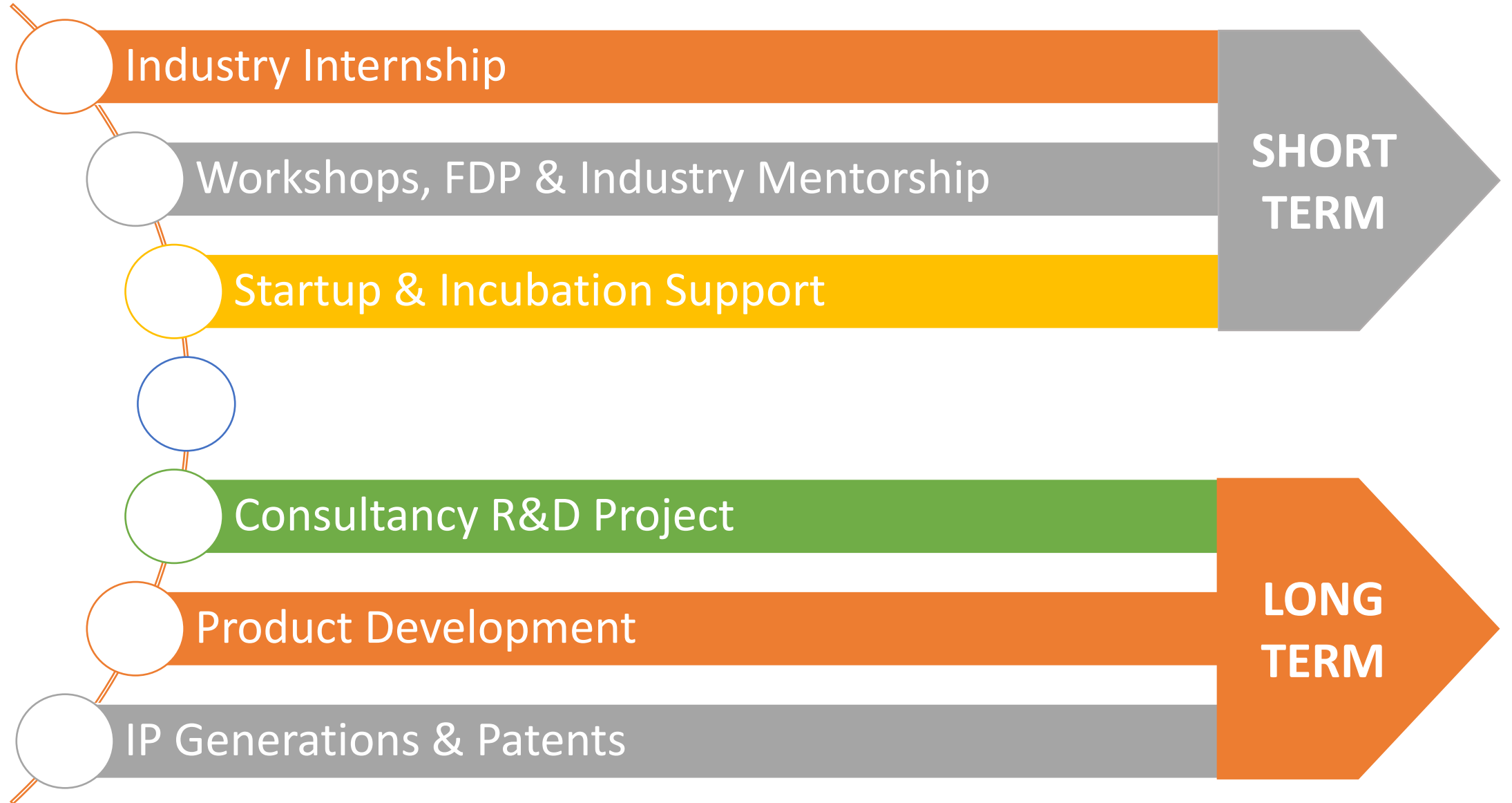
**TRANSPORTATION  
&  
AUTOMOTIVE**

GE Healthcare  
Philips  
Siemens Medical  
BPL Medical  
BTL Medical  
Stryker  
AWAK Technologies  
Schiller Healthcare  
Morphle Labs  
SensaCORE  
Aurolab

**MEDICAL  
HEALTHCARE**

# INDUSTRY To Academia









# Few of our Alumni's



 Shrvan Chippa  
Microchip Technology



 Trilokesh Rangam  
Continental



 Bhaskar Samantula  
Honeywell



 Subhendu Biswas  
Honeywell




 Vikram Pinto  
Microchip Technology



 Vattipalli Praveen  
Microsemi



 Ashutosh Singh  
Qualcomm



 Saad Khan  
Siemens Healthineers



 Shammi Kaplesh  
Motherson Innovations



 Narasimhulu  
Capgemini Engineering



 Surya Narayan Pradhan  
Mistral Solutions



 sankar salla  
Visteon corporation

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**Thank You**