

# Company Services

## ECU Training & Service



Get our reliable training and speedy services for Car ECU's

## Mileage correction



Remapping of HEX data for EEPROM using UPA 1.3 Programmer

## Key Programming



Smart key programming and transponder cloning using X-horse and Xpad 2 services.

8904890230 / 7204913693



## WHAT IS AN ECU MODULE?

*The car want to start or does not react when the accelerator pedal is pressed? Then there may be problems with the ECU. The ECU uses various components such as connectors with a printed circuit board is therefore also sensitive to defects and malfunctions. We offers the possibility to have an ECU repairing instead of buying new one.*

## Addressing to Students !!

*who wants to learn this skill, As professionals to the automotive sector, to become expert car tuning knowledge and to the ECU tuning processors who intend to learn techniques of remapping of electronic control units for cars.*

[www.bhadraelectronics.com](http://www.bhadraelectronics.com)

# BHADRA ELECTRONICS



## Connect with us



## Quality service



## Affordable cost



2nd floor 49, Bhadra Electronics,  
1-13, beside Ullas theater,  
Industrial Suburb, Yeswanthpur,  
Bengaluru, Karnataka 560022



# Complete Practical Training on Car Modules

## ECU's



Does not the car react when the accelerator pedal is pressed? Then there may be problems with the ECU.

The ECU/ECM uses various components such as connectors with a printed circuit board and is therefore also sensitive to defects and malfunctions.

## BCM



Do the lights or wipers no longer work? Then there may be problems with the Body Control Unit. BCM controls components such as: lights, windows, door locks and various comfort controls.

## Airbag Module



Problems in airbag sensor, diagnostic unit, and computer module, the airbag module is responsible for receiving information from the collision sensor. That information is then relayed to the airbag sensors and the airbags are deployed during impact.





# Complete Practical Training on Car Modules

## ABS-units



Is the ABS light illuminating in the car? Then there are problems with the anti-lock braking system. There can be various causes that cause a fault, from a broken control unit to a broken ABS sensor

## Instrument Clusters



A dashboard consists of the known odometer counters and other components. In addition to the well-known electronic components, many non-electronic components also fail. Think of gears, indicators, windows and plastic housings. All these components can ensure that a dashboard does not work properly anymore.

## ACC



Adaptive cruise control (ACC) is an available [cruise control](#) system for [road vehicles](#) that automatically adjusts the vehicle speed to maintain a safe distance from vehicles ahead.



# Complete Practical Training on Car Modules

## Info displays



If a LCD display has pixel problems it is often because the connection from the printed circuit board (PCB) to the LCD display has broken. Many companies will just repair the connection, this is so simple that you could do it yourself in an hour.

## LED headlights



LED headlights attached to the front of a vehicle to illuminate the road ahead.

Headlamps are also often called headlights, but in the most precise usage, *headlamp* is the term for the device itself and *headlight* is the term for the beam of light produced and distributed by the device.

## Electronic Steering



Adaptive cruise control (ACC) is an available cruise control system for road vehicles that automatically adjusts the vehicle speed to maintain a safe distance from vehicles ahead.





# Complete Practical Training on Car Modules

## TCU



The TCU uses various components and is therefore also sensitive to defects and malfunctions. Because the cause of the complaints / error codes can also be mechanical, we always perform an entry test on all incoming components.

## Throttle Bodies



Generic Image. Your part might look different

Modern throttle bodies are a typical example of mechatronics, a component that contains both mechanical and electronic parts. Remanufacturing these types of components requires a slightly different approach than with purely electronic components.

## Turbo actuators



Problems with the turbo pressure in the engine? Then there may be problems with the turbo actuator. An actuator consists of two types of components: a mechanic and electronic part that can cause defects.



# ECU TRAINING & SERVICE HUB

# BHADRA ELECTRONICS

## ECU TRAINING

1. Our Training course duration is 30 days
2. Car Scanning/Fault code read & solving the problem case for clear problem.
3. Preparing data sheets for ECU pin voltage.
4. ECU tuning using KTAG for read and write.
5. Basic training for EPS-BCM-SRS-ABS Immobilizer-Meter.
6. Airbag crash program/Reset Airbag training.
7. Sensor signal testing using DSO
8. Soldering Training on SMD chip level .
9. Fuel Injection Coding / Testing using.
10. Key Programming for ECU/BCM/IMMO.
11. Testing Driver IC using voltage data sheets.
12. Basic training skills for marketing process.
13. Providing data of ECU for Indian cars.
14. Bhadra Electronics provides ECU service guide book at the end of training. 1
15. Training Fee 60,000/-

## Why we need this Course?

*Practical / theoretical course of programming and remapping of the car ECU. The course program includes practical exercises on the use of software dedicated to the programming Hardware service and remapping of the EPROM memories of the car ECU.*

## Course program !!

*The course program includes practical exercises on the use of software dedicated to the programming and remapping of the EPROM memories of the car ECU like Bosch ME7.xx, ME9.xx, MED9.xx, MED17.xx and others Marelli and Siemens families, BDM pseudo-serial interface: operating technique EDC17, MED17, Tri Core CPU and new generations.*

## ABOUT US

Well experienced in Embedded Technology since 6 years and started the leading company in 2019 by providing premium quality service for Automotive Embedded Technology and Training.

I am Deepak Shivarudrappa, My job is my passion. All my life is linked to the mechanics and electronics that surrounds me, for this reason I've decided to share everything what I know in the world of remapping of a control unit in cars and Embedded Project Training.





# Air bag resetting programming

- ❑ Our AIRBAG module repair service will erase all accident data and restore the AIRBAG module to its original state, we only repair the software part by erasing the faults with full guarantee.
- ❑ This way you can reuse the AIRBAG module instead of having to buy another unit, saving you a few amount.
- ❑ The modules are repaired with the highest technical standards, we cover all makes and models of vehicles.





# How to reach us

CENTER FOR ADVANCED AUTOMOTIVE ECM  
TRAINING IN INDIA

**Bhadra ECM training HUB is in Bangalore City,**  
Karnataka, India. Students can reach  
Kempegowda International Airport and by  
taxi it takes 45 mins journey from Airport to  
Yeshwantpur, **We assist you the best hotel  
& lodges/PG as per comforts.**

