

ARM BASED DESIGN OF DASHBOARD USING TOUCH SCREEN

BHARATH H N¹ & MANJULA B B²

¹M.Tech Student, Department of Electronics and Communication Engineering,
East West Institute of Technology, Bangalore, Karnataka, India

²Guide Assistant Professor, Department of Electronics and Communication Engineering,
East West Institute of Technology, Bangalore, Karnataka, India

ABSTRACT

ARM BASED DESIGN OF DASHBOARD USING TOUCH SCREEN is advanced technology in automobile industries. Nowadays this replaces the electrical switches used to automate the vehicles. This is having digitized buttons on the screen to automate the peripherals of the vehicle and it also shows the status of the peripherals, whether it's ON or Not on the screen. This can control all the peripherals like Head lamps, Rear lamps, wiper, Door locks, etc. The aim is to overcome the drawbacks of Voice Command Technology which was implemented in Mahindra Xylo E9 Model. ARM based designs have seen an immense growth during the past few years, with free and open software tools becoming an integral part of embedded systems development. System-on-chip solutions based on ARM embedded processors address many different market segments including enterprise applications, automotive systems, home networking and wireless technologies. Nowadays technology enters in any field. Touch screen based dash board is an advanced technology which can be used to Control the vehicle functions like switching ON and OFF of Right indicators, Left indicators, Head lights, Opening and closing of Doors, Dipper and Dimmer, Music. In automotive field as technology is rapidly growing, on the Single screen can control the complete vehicle function and it also give modern look to vehicle. In future this technology replaces the existing peripheral devices.

KEYWORDS: Arm Contoller, Sloss, Symes, Wright, electrical Switches Used to Automate the Vehicles