

NCCT

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Bio Medical Projects

ncctchennai@gmail.com

044-28235816

9841193224

We are offering Bio Medical Embedded Microsystems Projects, Research & Development oriented and Challenging Projects including IEEE Projects

- Life Support System with Complete ICU Monitoring
- Complete Body Scanning System Implementation
- Peritoneal Dialysis - Design & Implementation
- Anesthesia Control system using Infusion Pump with Respiratory
- Hearth Beat Rate Monitoring and SMS alert System
- Bedside Patient Monitoring system with Wireless sensor Network
- Smart Bio Medical Cloth - Wearable Health Monitoring, Bio Coat
- Zigbee based Bio Med Coat with ECG and Heart Beat Monitoring
- Path planning for Blind Person using Ultrasonic
- Anesthesia Control system using Infusion Pump with Heart Beat monitoring
- Wireless ECG Monitoring

**Do the latest
Projects, with
the new tools
and
technologies
that will change
the way you
develop
solutions**

**NCCT, 109, 2nd Floor, Bombay Flats, Nungambakkam High Road,
Nungambakkam, Chennai – 600034. Above IOB, Next to ICICI**

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- Wireless Heart Beat Monitoring
- External ECG Defibrillator
- RFID based Health Card System
- RFID based Medicine Expiry Date Verification
- RFID based Medical Equipments Location Finding & Maintenance
- Wheel Chair Robot with Vital Parameters Monitoring
- Blood Pressure Monitoring System
- Zigbee based Health Monitoring System
- Human Radiation Sensing and Live Human Monitoring System
- Advanced Body Temperature / ECG / Hearth Beat Monitoring

**Bio Medical
Embedded
Microsystems
Projects &
IEEE Projects**

Why NCCT – Promise for the Best Projects

**Quality
Learning**

Flexibility

**On Time
Completion**

**Complete
Guidance**

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- Home Care Medi Kit for Elderly Person
- Head Movement based Wheel Chair Control System for Paralyzed Patients
- Voice controlled Wheel Chair System fabrication
- Blood Gas Analyzer
- Assist, Automated system for Surgical Instrumental and Sponge Tracking
- An RFID Application for the disabled, Path Finder
- Galvanic Skin Response System
- Volumetric Infusion Pump Design and Implementation
- Medical signal processing in the ICU
- A Continuous glucose monitoring system in critical cardiac patients in the Intensive Care Unit
- Wearable Biomedical Systems: Research to Reality
- Design and implementation of Wireless Biomedical Sensor Networks for ECG home health monitoring

We will also Design & Develop your Own Project Concepts & Ideas and New IEEE Projects can also be implemented

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- A sleep apnoea keeper in a wearable device for Continuous detection and screening during daily life
- Ambulatory blood pressure recording; principles and practice
- Color Identifier Device Design for partially Blind / People with a Problem of Chromates
- Bio sensing Head / Neck / Eye Movement based Driver Alert System
- A Hand Gesture system for controlling Wheel Chair
- Wireless Telemetry for line data transmission on a Mobile Unit
- Robotic Assisted Operation Theatre
- Robotic Assisted automatic Drug Dispenser
- Automatic Time based Drug Delivery Robot
- Wearable EDA Sensor Gloves using Conducting Fabric and Embedded System
- Design of a bionic electro location sensor for coronary diagnostics
- Pulse Oxygen sensor
- Cough Monitoring System
- Acoustic Height Gauge

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- Medication Reminder Bottle Cap
- Treadmill Speed, Inclination and Position Sensing
- Head tracking for driver assistance
- Integrated Biochip for Clinical Disease detection
- Flow control in micro fluidic devices
- Computerized & Programmed Automatic Thread Mill System
- Motorized Automatic Exercise System
- Breathing Profile Monitor and Sleeping pattern analyzer
- Patient Fall Detector
- Patient Monitoring System using RF Technologies

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