



**LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING**

**(AUTONOMOUS)**

**Accredited by NAAC & NBA (CSE, IT, ECE, EEE & ME)**

**Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada**

**L.B.Reddy Nagar, Mylavaram-521230, Krishna Dist, Andhra Pradesh, India**

**Dept of Electronics & Communication Engineering**  
**B.Tech. VIII-SEM. Sec. A Project Batches with Titles**

| Batch No. | Regd. No.s | Project Work Title                                                                    | Project Guide         |
|-----------|------------|---------------------------------------------------------------------------------------|-----------------------|
| A1        | 18761A0459 | Transparent and genuine charity application using Block chain Technology              | Dr. Y.Amar Babu       |
|           | 18761A0436 |                                                                                       |                       |
|           | 18761A0429 |                                                                                       |                       |
|           | 18761A0441 |                                                                                       |                       |
| A2        | 19765A0401 | Facial Emotion Recognition using Convolution Neural Networks(CNN)                     | Prof. B. Ramesh Reddy |
|           | 18761A0447 |                                                                                       |                       |
|           | 18761A0411 |                                                                                       |                       |
| A3        | 18761A0404 | Facial Recognition based attendance using IOT                                         | Dr. A. Narendra Babu  |
|           | 18761A0450 |                                                                                       |                       |
|           | 18761A0416 |                                                                                       |                       |
|           | 18761A0438 |                                                                                       |                       |
| A4        | 18761A0418 | Smart home automation using IOT                                                       | Dr. Y.S.V.Raman       |
|           | 18761A0439 |                                                                                       |                       |
|           | 18761A0452 |                                                                                       |                       |
|           | 17761A0459 |                                                                                       |                       |
| A5        | 18761A0444 | Irrigation Monitoring and crop protection system                                      | Dr. P. Lachi Reddy    |
|           | 18761A0414 |                                                                                       |                       |
|           | 18761A0433 |                                                                                       |                       |
|           | 18761A0454 |                                                                                       |                       |
| A6        | 18761A0456 | Performance enhancement of downlink NOMA using improved GSSK                          | Dr. G.L.N.Murthy      |
|           | 18761A0419 |                                                                                       |                       |
|           | 18761A0417 |                                                                                       |                       |
|           | 18761A0409 |                                                                                       |                       |
| A7        | 18761A0455 | Modelling investigations on efficiency of miniaturized piezoelectric energy harvester | Dr. T. Satyanarayana  |
|           | 18761A0437 |                                                                                       |                       |
|           | 18761A0413 |                                                                                       |                       |
|           | 18761A0428 |                                                                                       |                       |
| A8        | 18761A0407 | Microstrip fractal patch antenna using HFFS for 5G applications                       | Dr. B.Y.V.N.R. Swamy  |
|           | 18761A0430 |                                                                                       |                       |
|           | 18761A0443 |                                                                                       |                       |
|           | 18761A0424 |                                                                                       |                       |

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|-----|------------|--------------------------------------------------------------------------------------------|---------------------------|
| A9  | 18761A0402 | Compact frequency reconfigurable patch antenna with DGS for wireless communication         | Dr. P. Rakesh Kumar       |
|     | 18761A0458 |                                                                                            |                           |
|     | 18761A0420 |                                                                                            |                           |
|     | 18761A0435 |                                                                                            |                           |
| A10 | 18761A0449 | IOT framework for monitoring the condition of the roads                                    | Dr. K. Ravi Kumar         |
|     | 18761A0415 |                                                                                            |                           |
|     | 18761A0425 |                                                                                            |                           |
|     | 19765A0405 |                                                                                            |                           |
| A11 | 18761A0442 | EEG signals analysis for Human stress monitoring by using LABVIEW                          | Mr.V.V.Rama Krishna       |
|     | 18761A0422 |                                                                                            |                           |
|     | 18761A0405 |                                                                                            |                           |
|     | 18761A0406 |                                                                                            |                           |
| A12 | 18761A0440 | Hand written digit recognition using Deep neural network                                   | Mr. T.Anil Raju           |
|     | 19765A0404 |                                                                                            |                           |
|     | 18761A0426 |                                                                                            |                           |
|     | 18761A0432 |                                                                                            |                           |
| A13 | 18761A0445 | IOT based indoor and outdoor health safety monitoring system                               | Mr. M.Sivasankara Rao     |
|     | 18761A0410 |                                                                                            |                           |
|     | 18761A0457 |                                                                                            |                           |
|     | 18761A0408 |                                                                                            |                           |
| A14 | 18761A0451 | Automatic health monitoring system with GPS tracking                                       | Smt. B. Rajeswari         |
|     | 18761A0434 |                                                                                            |                           |
|     | 19765A0403 |                                                                                            |                           |
| A15 | 19765A0406 | Smart watch for panic alert                                                                | Mr. P. Venkateswara Rao   |
|     | 18761A0427 |                                                                                            |                           |
|     | 19765A0402 |                                                                                            |                           |
| A16 | 18761A0431 | Heart disease prediction using machine learning                                            | Mr. Ch. Siva Rama Krishna |
|     | 18761A0423 |                                                                                            |                           |
|     | 18761A0412 |                                                                                            |                           |
| A17 | 18761A0446 | A deep learning based crop , fertilizer recommendation system with leaf disease prediction | Mr. P. James Vijay        |
|     | 18761A0453 |                                                                                            |                           |
|     | 18761A0448 |                                                                                            |                           |
| A18 | 18761A0401 | Anti-theft and vehicle speed controlling system using GSM & GPS                            | Ms. G. Asha               |
|     | 18761A0421 |                                                                                            |                           |
|     | 18761A0403 |                                                                                            |                           |

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**Dept of Electronics & Communication Engineering**  
**B.Tech. VIII-SEM. Sec. B Project Batches with Titles**

| Batch No. | Regd. No.s | Project Work Title                                                                                   | Project Guide           |
|-----------|------------|------------------------------------------------------------------------------------------------------|-------------------------|
| B1        | 18761A0460 | Alive human detection and Health Monitoring using IOT based robot                                    | Dr. Y.Amar Babu         |
|           | 18761A04A0 |                                                                                                      |                         |
|           | 18761A04A1 |                                                                                                      |                         |
|           | 18761A0487 |                                                                                                      |                         |
| B2        | 18761A0464 | EEG based smart wheel chair for disabled person using non- invasive Brain Computer Interfacing (BCI) | Dr.E.V. Krishna Rao     |
|           | 18761A04B7 |                                                                                                      |                         |
|           | 18761A0494 |                                                                                                      |                         |
| B3        | 18761A0497 | Smart eye tracking system                                                                            | Dr. Y.S.V.Raman         |
|           | 18761A04A3 |                                                                                                      |                         |
|           | 19765A0413 |                                                                                                      |                         |
|           | 18761A0486 |                                                                                                      |                         |
| B4        | 18761A04B2 | Smart Helmet                                                                                         | Dr. M.Venkata Sudhakar  |
|           | 18761A04B1 |                                                                                                      |                         |
|           | 18761A0495 |                                                                                                      |                         |
|           | 18761A04B4 |                                                                                                      |                         |
| B5        | 18761A0482 | Vehicle safety control for the anticipation of accidents                                             | Dr. G. Srinivasulu      |
|           | 19765A0411 |                                                                                                      |                         |
|           | 18761A0474 |                                                                                                      |                         |
|           | 18761A0463 |                                                                                                      |                         |
| B6        | 18761A04A6 | GUI based Automated authentication system using face recognition with face mask detection            | Dr. G.L.N.Murthy        |
|           | 18761A04A4 |                                                                                                      |                         |
|           | 18761A04B5 |                                                                                                      |                         |
|           | 18761A04B0 |                                                                                                      |                         |
| B7        | 18761A0472 | Biped robot using Arduino/NI MYDAQ                                                                   | Mr. B.V.N.R. Siva Kumar |
|           | 18761A0468 |                                                                                                      |                         |
|           | 19765A0410 |                                                                                                      |                         |
|           | 18761A0471 |                                                                                                      |                         |
| B8        | 18761A04B3 | Intelligent vehicle safety and security monitoring system using ECU & VSU technology                 | Smt. K. Rani Rudrama    |
|           | 19765A0407 |                                                                                                      |                         |
|           | 18761A0461 |                                                                                                      |                         |

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|-----|------------|-----------------------------------------------------------------------------------------------------|-------------------------|
| B9  | 18761A0466 | Heart rate monitoring system using IOT                                                              | Mr. G.Venkata Rao       |
|     | 18761A0465 |                                                                                                     |                         |
|     | 18761A0480 |                                                                                                     |                         |
|     | 18761A0478 |                                                                                                     |                         |
| B10 | 18761A0485 | Automatic video surveillance system for pedestrian crossing using machine learning                  | Dr. B. Siva Hari Prasad |
|     | 18761A0484 |                                                                                                     |                         |
|     | 18761A04B6 |                                                                                                     |                         |
|     | 18761A0496 |                                                                                                     |                         |
| B11 | 18761A0499 | Implementation and analysis of Image steganography using Convolution Networks                       | Mr. M.K. Linga Murthy   |
|     | 18761A04A8 |                                                                                                     |                         |
|     | 18761A0481 |                                                                                                     |                         |
| B12 | 18761A0473 | Railway gate controlling system using LABVIEW                                                       | Smt M. Ramya Harika     |
|     | 18761A0476 |                                                                                                     |                         |
|     | 18761A0489 |                                                                                                     |                         |
|     | 18761A0490 |                                                                                                     |                         |
| B13 | 18761A0488 | An IOT based embedded system for monitoring and control of green house parameter                    | Dr. P. Venkat Rao       |
|     | 18761A0483 |                                                                                                     |                         |
|     | 18761A04A9 |                                                                                                     |                         |
| B14 | 18761A0492 | Fire and gas detection system for home and industry safety using ARM7 through ESP 8266 wi-fi module | Mr. M. Sambasiva Reddy  |
|     | 18761A0491 |                                                                                                     |                         |
|     | 18761A0493 |                                                                                                     |                         |
| B15 | 18761A04A2 | Autonomous vehicle control system based on Driver condition monitoring                              | Dr.G.L.N. Murthy        |
|     | 18761A04A7 |                                                                                                     |                         |
|     | 18761A0469 |                                                                                                     |                         |
| B16 | 18761A04B8 | Theft control, accident detection and vehicle positioning using ARM 7 LPC 2148 Microcontroller      | Mr. A. Uday Kumar       |
|     | 18761A0467 |                                                                                                     |                         |
|     | 18761A0470 |                                                                                                     |                         |
| B17 | 18761A0475 | ARM based smart energy management system for home automation                                        | Mr. B. P. Madhusudan    |
|     | 19765A0412 |                                                                                                     |                         |
|     | 18761A0498 |                                                                                                     |                         |
|     | 18761A0477 |                                                                                                     |                         |
| B18 | 18761A0479 | IOT based automated irrigation system and detection of soil nutrients                               | Smt. K Balavani         |
|     | 19765A0409 |                                                                                                     |                         |
|     | 18761A04A5 |                                                                                                     |                         |

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**B.Tech. VIII-SEM. Sec. C Project Batches with Titles**

| Batch No. | Regd. No.s | Project Work Title                                                            | Project Guide          |
|-----------|------------|-------------------------------------------------------------------------------|------------------------|
| C1        | 18761A04C4 | Raspberry Pi alive Human Detection Robot Using PIR Sensor                     | Dr.E.V. Krishna Rao    |
|           | 18761A04D9 |                                                                               |                        |
|           | 18761A04G0 |                                                                               |                        |
|           | 18761A04F4 |                                                                               |                        |
| C2        | 18761A04D1 | Embedded Smart ATM Card                                                       | Prof. B. Ramesh Reddy  |
|           | 18761A04C9 |                                                                               |                        |
|           | 18761A04G1 |                                                                               |                        |
|           | 18761A04C6 |                                                                               |                        |
| C3        | 18761A04C7 | Smart Energy Meter                                                            | Dr. A. Narendra Babu   |
|           | 18761A04G7 |                                                                               |                        |
|           | 19765A0420 |                                                                               |                        |
|           | 18761A04E8 |                                                                               |                        |
| C4        | 18761A04H0 | Heart rate Monitoring using ECG Sensor and Raspberry Pi                       | Dr. M.Venkata Sudhakar |
|           | 18761A04G3 |                                                                               |                        |
|           | 18761A04G2 |                                                                               |                        |
|           | 18761A04H3 |                                                                               |                        |
| C5        | 18761A04D3 | A system which procures attendance by using face recognition and Raspberry PI | Dr. P. Lachi Reddy     |
|           | 18761A04H6 |                                                                               |                        |
|           | 18761A04G8 |                                                                               |                        |
|           | 19765A0415 |                                                                               |                        |
| C6        | 18761A04F0 | An Power Efficient Level Shifter for Ultra Low-Voltage Digital circuits       | Dr. G. Srinivasulu     |
|           | 19765A0414 |                                                                               |                        |
|           | 18761A04F9 |                                                                               |                        |
|           | 18761A04H7 |                                                                               |                        |
| C7        | 18761A04E7 | IoT based efficient detection of Covid-19 using Raspberry Pi                  | Dr. B. Poornaiah       |
|           | 18761A04D0 |                                                                               |                        |
|           | 18761A04F2 |                                                                               |                        |
|           | 18761A04G4 |                                                                               |                        |
| C8        | 19765A0417 | IoT based vehicle accident and alcohol detection system by using GSM and GPS  | Dr. B.Y.V.N.R. Swamy   |
|           | 18761A04E6 |                                                                               |                        |
|           | 18761A04F1 |                                                                               |                        |
|           | 18761A04G9 |                                                                               |                        |

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|-----|------------|-------------------------------------------------------------------------------------------|---------------------------|
| C9  | 18761A04E9 | A compact wide band rectangular Patch antenna for wireless applications                   | Dr. P. Rakesh Kumar       |
|     | 18761A04C8 |                                                                                           |                           |
|     | 18761A04C5 |                                                                                           |                           |
|     | 18761A04H2 |                                                                                           |                           |
| C10 | 18761A04E5 | Object detection mechanism using deep CNN model                                           | Dr. K. Ravi Kumar         |
|     | 18761A04B9 |                                                                                           |                           |
|     | 18761A04E3 |                                                                                           |                           |
|     | 18761A04D2 |                                                                                           |                           |
| C11 | 18761A04D5 | Modified advanced Encryption Standard                                                     | Mr. K. Sasi Bhushan       |
|     | 18761A04C1 |                                                                                           |                           |
|     | 18761A04D4 |                                                                                           |                           |
|     | 18761A04E0 |                                                                                           |                           |
| C12 | 19765A0421 | Design of compact microwave couplers with harmonic suppression for wireless communication | Dr. V. Ravi Sekhara Reddy |
|     | 18761A04E4 |                                                                                           |                           |
|     | 18761A04F8 |                                                                                           |                           |
|     | 19765A0416 |                                                                                           |                           |
| C13 | 18761A04F3 | Smart controlled wheel chair                                                              | Smt.T. Kalpana            |
|     | 18761A04G5 |                                                                                           |                           |
|     | 18761A04F7 |                                                                                           |                           |
|     | 18761A04E1 |                                                                                           |                           |
| C14 | 18761A04D7 | Smart voting GIZMO                                                                        | Mr.Ch.Mallikarjuna Rao    |
|     | 18761A04G6 |                                                                                           |                           |
|     | 18761A04D8 |                                                                                           |                           |
| C15 | 18761A04C3 | Smart Multipurpose agriculture robot                                                      | Mr. K V Ashok             |
|     | 18761A04C2 |                                                                                           |                           |
|     | 19765A0419 |                                                                                           |                           |
| C16 | 18761A04F6 | Design of wideband antenna using defected ground structure                                | Mrs. M.V.L. Bhavani       |
|     | 18761A04D6 |                                                                                           |                           |
|     | 18761A04H1 |                                                                                           |                           |
| C17 | 18761A04F5 | Digital Payment based petrol filling using Raspberry Pi and RF-ID                         | Mr. N. Dharmachari        |
|     | 19765A0418 |                                                                                           |                           |
|     | 18761A04H4 |                                                                                           |                           |
| C18 | 18761A04E2 | Designing of Conformal Antenna                                                            | Mr. K. Bhanu              |
|     | 18761A04H5 |                                                                                           |                           |
|     | 18761A04C0 |                                                                                           |                           |

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