

**SWARNANDHRA COLLEGE OF ENGINEERING AND TECHNOLOGY**

(Autonomous)

Narsapur, West Godavari District, A.P. 534280

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

| 8TH SEMESTER PROJECT BATCHES (2023-24) | | | |
|--|----------------------|------------|---|
| Batch | Faculty | Regd. No. | Project Name |
| 1 | Dr. B. SADA SIVA RAO | 21A25A0408 | Early Fire Detection Robot |
| | | 21A25A0413 | |
| | | 21A25A0414 | |
| | | 21A25A0403 | |
| 2 | Dr.K.BALAMURUGAN | 20A21A0401 | Smart Wheel Chair Fall Detection |
| | | 20A21A0447 | |
| | | 20A21A0448 | |
| | | 20A21A0450 | |
| | | | |
| 3 | DR.B. RAMANA KUMAR | 20A21A0418 | Sonar Based Object Detection System for Military Applications |
| | | 21A25A0425 | |
| | | 21A25A0431 | |
| | | | |
| 4 | DR.S.GOPINATH | 20A21A0432 | Vehicle Speed Monitoring in Urban Areas Using Open-CV |
| | | 20A21A0493 | |
| | | 20A21A04K9 | Street Light Fault Detection and Location Tracking Using Iot-14 |
| | | 20A21A0414 | |
| | | 20A21A0418 | |
| 5 | Dr. Y .S.V. RAMAN | 20A21A0469 | Predicting Crop Yields with Machine Learning |
| | | 20A21A04A9 | |
| | | 20A21A04K7 | |
| | | 21A25A0416 | |
| 6 | Dr.K.PADMAVATHI | 20A21A0403 | |
| | | 20A21A0404 | |

**SWARNANDHRA COLLEGE OF ENGINEERING AND TECHNOLOGY**

(Autonomous)

Narsapur, West Godavari District, A.P. 534280

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

| | | | |
|----|----------------------------|------------|--|
| | | 20A21A0409 | Vehicle Over Speed Monitoring and Accident Detection System |
| | | 20A21A0424 | |
| 7 | Dr.HARI SANKARA SRIVASTAVA | 20A21A0402 | Dynamic Traffic Control System |
| | | 20A21A0429 | |
| | | 20A21A0430 | |
| | | 20A21A0431 | |
| 8 | Dr. D. NATARAJ | 20A21A0434 | Dynamic Traffic Control System |
| | | 20A21A0435 | |
| | | 20A21A0436 | |
| | | 20A21A0445 | |
| 9 | Dr. T.J. ALEXNDER | 20A21A0453 | Smart Wheel Chair Fall Detection |
| | | 20A21A0454 | |
| | | 20A21A0456 | |
| | | 20A21A0459 | |
| 10 | Mrs. G. SANTHI.KUMARI | 20A21A0427 | Multi-Functional Blind Stick For Visually Impaired People-43 |
| | | 20A21A0441 | |
| | | 20A21A0443 | Cricket Hub A Franchise Fan Page-57 Hospital Management System (Ask Your Doctor Near You)-27,41 |
| | | 20A21A0457 | |
| 11 | Mrs. M. KANAKA DURGA | 20A21A0408 | Iot Based Solar Powered Electric Vehicle And Wireless Charging Station |
| | | 20A21A0417 | |
| | | 20A21A0420 | |
| | | 20A21A0464 | |
| 12 | Dr. BANDI NAGESWARA RAO | 20A21A0410 | Personality Prediction Through Cv Using Machine Learning |
| | | 20A21A0421 | |
| | | 20A21A0416 | |
| | | 20A21A0452 | |



SWARNANDHRA COLLEGE OF ENGINEERING AND TECHNOLOGY
(Autonomous)

Narsapur, West Godavari District, A.P. 534280

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

| | | | |
|----|---------------|--|---|
| | | | |
| 13 | Dr. S.SRILALI | 20A21A0437 20A21A0443 20A21A0446 20A21A0458 | Multifunctional Blind Stick For Visually Impaired People |

| 8TH SEMESTER PROJECT BATCHES (2023-24) | | | |
|--|----------------------------------|------------|--|
| Batch | Faculty | Regd. No. | Project Name |
| 14 | Mr. V. SATYA KISHORE | 21A25A0426 | Road Ways Bridge Safety System Using IoT |
| | | 21A25A0428 | |
| | | 21A25A0430 | |
| | | 21A25A0432 | |
| 15 | Mr. ARVS.GUPTHA | 20A21A0415 | Accident prevention system |
| | | 20A21A0419 | |
| | | 20A21A0422 | |
| | | 20A21A0423 | |
| 16 | Mr. V. SRINIVAS | 21A25A0402 | Health Monitoring System: Using IoT and GSM Modem |
| | | 21A25A0410 | |
| | | 21A25A0411 | |
| | | 21A25A0429 | |
| 17 | Mr. K. V.B CHANDRA SEKHAR RAO | 20A21A0497 | Army surveillance Robot |
| | | 20A21A0494 | |
| | | 20A21A0476 | |
| | | 20A21A04D1 | |
| 18 | Mrs. GB. CHRISTINA | 20A21A0468 | Wireless semi- automatic seeding Robot |
| | | 20A21A04C3 | |
| | | 20A21A0472 | |
| | | 20A21A04A5 | |
| 19 | Mr. J.E.N. ABHILASH | 20A21A0467 | Design of smart and advanced wireless LAN |
| | | 20A21A04G7 | |
| | | 20A21A04J6 | |
| | | 20A21A04F5 | |
| 20 | Mrs. M. SUPRIYA | 20A21A0470 | Automatic Movable Platform for Crossing Railway Track |
| | | 20A21A04A6 | |
| | | 20A21A04B3 | |
| | | 20A21A04C5 | |
| 21 | Mr. K.V.C SEKHAR RAO | 20A21A0477 | Iot Based Smart Energy |
| | | 20A21A0491 | |



SWARNANDHRA COLLEGE OF ENGINEERING AND TECHNOLOGY
(Autonomous)

Narsapur, West Godavari District, A.P. 534280

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

| | | | |
|----|-------------------------|------------|--|
| | | 20A21A04A4 | Monitoring With Theft Detection |
| 22 | | 20A21A0406 | Smart Aqua Culture Security Monitoring System |
| | | 20A21A0411 | |
| | | 20A21A0413 | |
| 23 | Dr. V.THRIMURTHULU | 20A21A0412 | Voice based design of smart home |
| | | 20A21A0465 | |
| | | 20A21A0461 | |
| | | 20A21A0471 | |
| 24 | Mrs.Y.DINEESHA | 20A21A0498 | Iot Based Manhole Detection And Monitoring System |
| | | 20A21A04B7 | |
| | | 20A21A04C4 | |
| | | 20A21A04C2 | |
| 25 | Mrs. BELLAMKONDA PAVANI | 20A21A0478 | Describing a ML model to identify individuals affected by COVID-19 using a supervised learning |
| | | 20A21A0475 | |
| | | 20A21A0499 | |
| | | 20A21A04A7 | |
| 26 | MS.K.APARNA JYOTHI | 20A21A066 | Smart Agriculture System Using IoT (Real Time Project) |
| | | 20A21A0479 | |
| | | 20A21A0480 | |
| | | 20A21A0482 | |
| 27 | Mr. MARLAPUDI MURALI | 20A21A0488 | Smart Agriculture System Using IoT (Real Time Project) |
| | | 20A21A0489 | |
| | | 20A21A0490 | |
| | | 20A21A04A0 | |
| 28 | Mr. V. SRINIVAS | 20A21A04A8 | Smart Agriculture System Using IoT (Real Time Project) |
| | | 20A21A04B1 | |
| | | 20A21A04B4 | |
| | | 20A21A04B8 | |
| | | 20A21A04C8 | Colour based product sorting machine by using IoT |
| 29 | Mr. D.SEKHAR RAO | 20A21A0448 | |
| | | 20A21A0492 | |
| | | 20A21A04A3 | |
| | | 20A21A04B5 | Face mask detection using machine learning |
| 30 | Mr M.NAGESH | 20A21A04C7 | |
| | | 20A21A04C6 | |
| | | 20A21A0485 | |
| | | 20A21A04D0 | |



SWARNANDHRA COLLEGE OF ENGINEERING AND TECHNOLOGY
(Autonomous)

Narsapur, West Godavari District, A.P. 534280

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

| | | | |
|----|---------------------|------------|--|
| 31 | Mr. N.P.PRASAD | 20A21A04E1 | Automatic Cannel Cleaning Robot |
| | | 20A21A04F2 | |
| | | 20A21A04F3 | |
| | | 20A21A04F0 | |
| 32 | Mr.S.CHANTI | 20A21A04E5 | Automatic customizable expense tracker |
| | | 20A21A04G1 | |
| | | 20A21A04G4 | |
| | | 20A21A04J7 | |
| 33 | Mr L.ANJANEYULU | 20A21A04F7 | Automatic water managing system |
| | | 20A21A04J5 | |
| | | 20A21A04J0 | |
| 34 | Mr.I.V.RAVI KUMAR | 20A21A04E2 | Efficient Deep Learning Solution for Face Detection In Dim Light |
| | | 20A21A04H0 | |
| | | 20A21A04I4 | |
| | | 20A21A04I6 | |
| 35 | Mr.M.PREMCHAND | 20A21A04D2 | Hotel Booking Management Web Application System |
| | | 20A21A04D4 | |
| | | 20A21A04D6 | |
| | | 20A21A04E0 | |
| 36 | Mrs.I.V.RAVI KUMAR | 20A21A04E3 | Online Examination System Using Spring Boot & ReactJS |
| | | 20A21A04F1 | |
| | | 20A21A04F4 | |
| | | 20A21A04I7 | |
| 37 | Mrs.G.NAVYA | 20A21A04G0 | Automatic Monitoring of Physical environmental temperature and humidity in Telecom Networks |
| | | 20A21A04H4 | |
| | | 20A21A04E7 | |
| | | 20A21A0440 | |
| 38 | Mr. M. KANAKA DURGA | 20A21A04D9 | ML-Based Advertising System Using Image Processing and OpenCv |
| | | 20A21A04G6 | |
| | | 20A21A04I5 | |
| 39 | Mr.M.RADHA RANI | 20A21A04D8 | Automatic Crop Field Protection From Heavy Rains Using Iot |
| | | 20A21A04I0 | |
| | | 20A21A04I1 | |
| | | 20A21A04I2 | |
| 40 | Mrs.V.LAVANYA | 20A21A04K5 | Secure home entry using raspberry Pi |
| | | 20A21A04K1 | |
| | | 21A25A0420 | |



SWARNANDHRA COLLEGE OF ENGINEERING AND TECHNOLOGY
(Autonomous)

Narsapur, West Godavari District, A.P. 534280

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

| | | | |
|----|-----------------------------|------------|--|
| 41 | Mr. G.ASHOK JEEVAN | 20A21A04F8 | Smart Coal Mine Safety Monitoring System using Lora Technology |
| | | 20A21A04G2 | |
| | | 20A21A04G3 | |
| 42 | Mrs.A.S.N.V.LAKSHMI KANTHAM | 20A21A04G5 | Smart Coal Mine Safety Monitoring System using Lora Technology |
| | | 20A21A04G8 | |
| | | 20A21A04G9 | |
| | | 20A21A04D7 | |
| 43 | Mrs.V.PADMA | 20A21A04E9 | Smart Coal Mine Safety Monitoring System using Lora Technology |
| | | 20A21A04F8 | |
| | | 20A21A04G2 | |
| | | 20A21A04G3 | |
| 44 | Mrs.G.LAKSHMI PRASANNA | 20A21A04E4 | Mobile Charging Based On Coin Insertion |
| | | 20A21A04F6 | |
| | | 20A21A04H1 | |
| | | 20A21A04J3 | |
| 45 | Mrs.A.S.K.S.SINDHU | 20A21A04D5 | Student Management System |
| | | 20A21A04J4 | |
| | | 20A21A04F9 | |
| | | 20A21A0428 | |
| 46 | Mr.M.PREMCHAND | 20A21A04H3 | Body Temperature Monitoring Suit for Military people by using Embedded systems |
| | | 20A21A04H5 | |
| | | 20A21A04H8 | |
| | | 20A21A04I3 | |
| 47 | Mrs. G. SANTHI.KUMARI | 20A21A04E6 | Driver less metro train and occupancy status |
| | | 20A21A04E8 | |
| | | 20A21A04I9 | |
| | | 20A21A04J1 | |
| 48 | Mr.ARVS.GUPTHA | 20A21A04L6 | Solar vehicle for physically challenging people using voice recognition |
| | | 20A21A04L9 | |
| | | | |
| 49 | Mr. CH. K. L. RAO | 20A21A04J8 | Online Library management system |
| | | 20A21A04K3 | |
| | | 20A21A04L4 | |
| | | 20A21A04J2 | |



SWARNANDHRA COLLEGE OF ENGINEERING AND TECHNOLOGY
(Autonomous)

Narsapur, West Godavari District, A.P. 534280

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

| | | | |
|----|----------------------|------------|--|
| 50 | Mrs.M.MAHA LAKSHMI | 21A25A0436 | Solar power monitoring system |
| | | 21A25A0417 | |
| | | 21A25A0421 | |
| | | 21A25A0419 | |
| 51 | Dr. H.S.RAO | 20A21A04K8 | Air Quality Monitoring System |
| | | 20A21A04K0 | |
| | | 20A21A04C9 | |
| | | 20A21A0487 | |
| | | 20A21A04A2 | |
| 52 | Mr.M.MURALI | 21A25A0433 | Intelligent safety system for women using GSM and GPS |
| | | 21A25A0424 | |
| | | 21A25A0418 | |
| | | 21A25A0412 | |
| 53 | Mr. V. SATYA KISHORE | 20A21A04L8 | Automatic intelligent power saving system and security system |
| | | 20A21A04L7 | |
| | | 20A25A0422 | |
| | | 20A21A0451 | |
| 54 | Mr. D. SEKHAR RAO | 21A25A0407 | A 32-bit MAC unit design using DADDA multiplier and carry save adder |
| | | 21A25A0415 | |
| 55 | Mrs.K.RADHA | 20A21A04L0 | Automatic Speed Control Of Vehicles Using IOT |
| | | 20A21A04L1 | |
| | | 20A21A04L3 | |
| | | 20A21A04L5 | |
| 56 | Mr. K.A.RAVIKIRAN | 20A21A04K6 | Real-time Aquatic Environment Monitoring System Using IOT |
| | | 20A21A04J0 | |
| | | 20A21A04K2 | |
| | | 21A25A0427 | |
| 57 | Mr.. N.S.N.MURTHY | 20A21A04D5 | Student Management System |
| | | 20A21A04J4 | |
| | | 20A21A04F9 | |
| | | 20A21A0428 | |
| 58 | Mrs.K.RAMALAKSHMI | 20A21A0425 | Smart footwear and Shocking band for women Safety |
| | | 20A21A0438 | |
| | | 20A21A0444 | |
| | | 20A21A0455 | |
| | | 20A21A0460 | |
| 59 | Mrs.K.SATISHA | 21A25A0435 | Telecommunication Soft Switching and Network Security System |
| | | 20A21A04K4 | |
| | | 20A21A04A1 | |
| | | 20A21A0426 | |
| | | | |

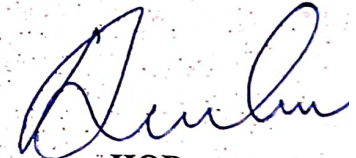


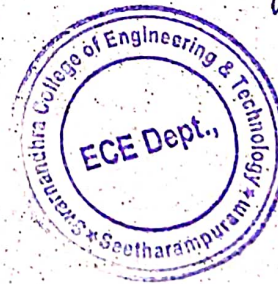
SWARNANDHRA COLLEGE OF ENGINEERING AND TECHNOLOGY
(Autonomous)

Narsapur, West Godavari District, A.P. 534280

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

| | | | |
|----|--------------------|------------|---|
| 60 | Mrs.R.SINDHU | 21A25A0401 | Automatic Moving Cradle using GSM |
| | | 21A25A0404 | |
| | | 21A25A0405 | |
| | | 21A25A0406 | |
| 61 | Mrs. M. SUPRIYA | 20A21A0481 | Colour based product Sorting machine by Using IOT |
| | | 20A21A0492 | |
| | | 20A21A04A3 | |
| | | 20A21A04B5 | |
| 62 | Mr. D.RAHULKHANNA | 20A21A0484 | Gesture Based Home Automation |
| | | 20A21A0483 | |
| | | 20A21A0495 | |
| | | 20A21A04C1 | |
| 63 | Ms .Y. DINEESHA | 20A21A04L2 | Systematic Smart Parking System |
| | | 20A21A0473 | |
| | | 20A21A0474 | |
| | | 20A21A0496 | |
| 64 | Mr. L.V.S.NARAYANA | 20A21A0415 | ACCIDENT PREVENTION SYSTEM |


HOD





SWARNANDHRA COLLEGE OF ENGINEERING AND TECHNOLOGY
(Autonomous)

Narsapur, West Godavari District, A.P. 534280

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

EMBEDDED SYSTEMS MAIN PROJECT LIST (2022-23)
VIII SEMESTER

| S.NO | Batch No | Guide Name | Title of the Project | Register Number |
|------|----------|--------------------|--|-----------------|
| 1 | EA1 | Mr. SEKHAR DIDDE | Authenticated access control for vehicle ignition system by driver's license and finger print technology | 20A25A0405 |
| | | | | 19A21A0442 |
| | | | | 19A21A0448 |
| | | | | 19A21A0438 |
| 2 | EA2 | Mr KV.C.SEKHAR RAO | Sonar system to detect the object position in 180 degrees | 19A21A0459 |
| | | | | 19A21A0462 |
| | | | | 19A21A0423 |
| | | | | 19A21A0435 |
| 3 | EA3 | Mr. M.PREMCHAND | Iot based air quality monitoring system with server notification | 19A21A0452 |
| | | | | 19A21A0443 |
| | | | | 19A21A0426 |
| | | | | 19A21A0425 |
| 4 | EA4 | Mrs. M. RADHA RANI | A System For Monitoring Water Quality,Leaks Contamination And Managing Pipeline Network | 19A21A0464 |
| | | | | 19A21A0419 |
| | | | | 19A21A0415 |
| | | | | 19A21A0418 |
| 5 | EB1 | Mr.I V RAVI KUMAR | School bus tracking and notification system | 19A21A0401 |
| | | | | 19A21A04A7 |
| | | | | 20A25A0415 |
| | | | | 19A21A04B3 |
| 6 | EB2 | Mr. T.ALEXANDER | Mountain climber health monitoring system by using GPS | 19A21A0497 |
| | | | | 19A21A04C2 |
| | | | | 19A21A0479 |
| | | | | 20A25A0414 |
| 7 | EB3 | Dr.R.S.DUBEY | AGRI ROBOT FOR PESTICIDE SPRAYING BY USING ANDROID APPLICATION | 19A21A0472 |
| | | | | 19A21A0471 |
| | | | | 19A21A04B0 |
| | | | | 19A21A04A8 |
| 8 | EB4 | Dr.S.SARAVANAN | Innovative protection of valuable trees from smuggling by using sensors | 19A21A0491 |
| | | | | 19A21A0485 |
| | | | | 19A21A0494 |
| | | | | 19A21A04A1 |
| 9 | EC1 | Dr. S.GOPINATH | SMART HOME AUTOMATION FOR ELDER PEOPLE USING GSM | 19A21A04A0 |
| | | | | 19A21A04F9 |
| | | | | 19A21A04H2 |
| | | | | 19A21A04C7 |
| 10 | EC2 | Mr. M.PREMCHAND | CHALLAN RECOVERY AND THEFT VEHICLE DETECTION SYSTEM | 19A21A04D3 |
| | | | | 19A21A04G6 |
| | | | | 19A21A04E7 |
| | | | | 19A21A04D6 |
| | | | | 20A25A0420 |



SWARNANDHRA COLLEGE OF ENGINEERING AND TECHNOLOGY
(Autonomous)

Narsapur, West Godavari District, A.P. 534280

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

| | | | | |
|----|-----|-----------------------|---|--|
| 11 | EC3 | Mr KV.C.SEKHAR RAO | GSM ASSISTANT SCHOOL CHILDREN TRACKIN SYSTEM | 19A21A04F5 19A21A04H8 19A21A04I2 19A21A04I0 19A21A04E1 |
| 12 | EC4 | Mr. T.ALEXANDER | ADVANCED TRAFFIC VIOLATION CONTROL AND PENALTY SYSTEM | 19A21A04G7 20A25A0422 19A21A04G5 |
| 13 | ED1 | Mr KV.C.SEKHAR RAO | Portable roadside sensors for vehicle counting, classification and speed measurement | 20A25B0401 19A21B0412 19A21B0415 19A21B0435 |
| 14 | ED2 | Mr.I V RAVI KUMAR | Design and implementation of a system for acropnic chamber temperature monitoring | 19A21B0430 19A21B0447 19A21B0403 19A21B0421 |
| 15 | ED3 | Dr.N.KOPERUN DEVI | Fully Automatic smart crop system against numerous behaviour of wild animals | 19A21B0443 19A21B0432 19A21B0417 19A21B0437 |



[Signature]
HOD



SWARNANDHRA COLLEGE OF ENGINEERING AND TECHNOLOGY
(Autonomous)
Narsapur, West Godavari District, A.P. 534280
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

IOT MAIN PROJECT LIST (2022-23)
VIII SEMESTER

| S.NO | Batch No | Guide Name | Title of the Project | Register Number |
|------|----------|---------------------|---|-----------------|
| 1 | IA1 | Dr.B. S.RAO | AUTOMATIC SPEED CONTROL OF VEHICLE IN SPEED LIMITED ZONES USING IOT | 19A21A0457 |
| | | | | 19A21A0450 |
| | | | | 19A21A0451 |
| 2 | IA2 | Dr. K. BALAMURUGAN | Smart classroom with student count and faculty information display system | 19A21A0424 |
| | | | | 19A21A0420 |
| | | | | 19A21A0428 |
| | | | | 19A21A0427 |
| 3 | IA3 | Mr.JEN ABHILASH | PREPAID WATER METER USING RFID AND IOT | 19A21A0437 |
| | | | | 19A21A0456 |
| | | | | 20A25A0403 |
| | | | | 19A21A0410 |
| 4 | IA4 | Mr. SRILALI SIRAGAM | Advanced secured ATM system with two layered security protection | 19A21A0460 |
| | | | | 19A21A0458 |
| | | | | 19A21A0439 |
| | | | | 19A21A0429 |
| 5 | IB1 | Mrs.K.RADHA | WEATHER FORCASTING BASED ON LIVE WEBSERVER | 19A21A0498 |
| | | | | 19A21A0484 |
| | | | | 19A21A0488 |
| | | | | 19A21A04B9 |
| 6 | IB2 | Mr KV.C.SEKHAR RAO | Server based Electricity Monitoring and power saving for industries | 19A21A0492 |
| | | | | 19A21A04A4 |
| | | | | 19A21A0474 |
| | | | | 19A21A04C5 |

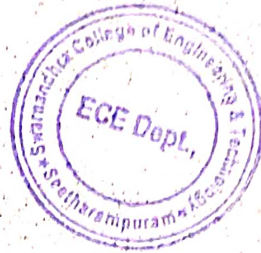


SWARNANDHRA COLLEGE OF ENGINEERING AND TECHNOLOGY
(Autonomous)

Narsapur, West Godavari District, A.P. 534280

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
USING AQUAPHONICS METHOD

| | | | | |
|----|-----|------------------------------|---------------------------------------|------------|
| | | | | 19A21B0444 |
| | | | | 19A21B0438 |
| | | | | 19A21B0420 |
| | | | | 19A21B0416 |
| 15 | ID3 | Dr.A.A.SPIRIRITUS KINGSLY | HIGHLY SECURED DOOR LOCKING SYSTEM | 19A21B0431 |
| | | | | 19A21B0407 |
| | | | | 19A21B0413 |
| | | | | 19A21B0414 |



[Signature]
HOD



SWARNANDHRA COLLEGE OF ENGINEERING AND TECHNOLOGY
(Autonomous)

Narsapur, West Godavari District, A.P. 534280

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

| | | | | |
|----|-----|----------------------|---|------------|
| 7 | IB3 | Mrs.M.MAHA LAKSHMI | Smart classroom with student count and faculty information display system | 19A21A04C0 |
| | | | | 20A25A0412 |
| | | | | 19A21A0493 |
| | | | | 19A21A04B8 |
| 8 | IB4 | Mrs.V.LAVANYA | CONGESTION LEVEL BASED DYNAMIC TRAFFIC MANAGEMENT SYSTEM USING SERVER | 19A21A04B7 |
| | | | | 19A21A0475 |
| | | | | 19A21A04B1 |
| | | | | 19A21A0496 |
| 9 | IC1 | Mr.CH. KL. RAO | SMART CLASSROOM WITH STUDENT COUNT AND FACULTY INFORMATION DISPLAY SYSTEM | 19A21A04D5 |
| | | | | 19A21A04D1 |
| | | | | 19A21A04E5 |
| | | | | 20A25A0417 |
| 10 | IC2 | Mrs.R.SINDHU | SMART HELMET FOR VEHICLE RIDERS USING IoT | 19A21A04C8 |
| | | | | 19A21A04D7 |
| | | | | 19A21A04D4 |
| | | | | 19A21A04F0 |
| 11 | IC3 | Mrs.K.APARNA JYOTHI | Automation of man hole using IoT | 19A21A04F4 |
| | | | | 19A21A04C9 |
| | | | | 19A21A04I1 |
| | | | | 20A25A0421 |
| 12 | IC4 | Dr. B. SADA SIVA RAO | Vehicle theft detection with remote engine locking and tracking system | 19A21A04G9 |
| | | | | 19A21A04H7 |
| | | | | 19A21A04D8 |
| | | | | 19A21A04I3 |
| 13 | ID1 | Mrs.V.PADMA | Smart Device For Women Security System Using IOT | 19A21B0422 |
| | | | | 19A21B0434 |
| | | | | 19A21B0429 |
| | | | | 19A21B0424 |
| 14 | ID2 | Mr.J.MAHIPAL YADAV | IOT BASED ORGANIC FARMING | 19A21B0436 |



SWARNANDHRA COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous)

Narsapur, West Godavari District, A.P. 534280

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

MATLAB MAIN PROJECT LIST (2022-23)

VIII SEMESTER

| S.NO | Batch No | Guide Name | Title of the Project | Register Number |
|------|----------|---------------------|---|-----------------|
| 1 | MA1 | Dr. B.S.RAO | Diagnosis of lung infection in ct images using image processing. | 19A21A0432 |
| | | | | 19A21A0404 |
| | | | | 19A21A0433 |
| | | | | 19A21A0463 |
| 2 | MA2 | Ms.Y.DINEESHA | Facial Emotion Based song Recommendation song | 19A21A0408 |
| | | | | 19A21A0409 |
| | | | | 19A21A0412 |
| | | | | 19A21A0440 |
| 3 | MA3 | Mr. E. SUMA | Automatic robot car control using hand gestures | 19A21A0454 |
| | | | | 19A21A0453 |
| | | | | 19A21A0413 |
| | | | | 19A21A0431 |
| 4 | MB1 | Mr. M.MURALI | Image forgery detection using adaptive over segmentation and feature point matching | 19A21A04B6 |
| | | | | 19A21A0477 |
| | | | | 20A25A0407 |
| | | | | 19A21A0466 |
| 5 | MB2 | Mr. L.V.S.NARAYANA | DETECTING NAD CLASSIFICATION OF PLANT LEAF DISEASE BY USING SUPPORT VECTOR MACHINE | 19A21A04A2 |
| | | | | 20A25A0413 |
| | | | | 20A25A0411 |
| | | | | 19A21A04C4 |
| | | | | 19A21A0480 |
| 6 | MB3 | Mrs.G.SANTHA KUMARI | Social media fake user Identification using Artificial Neural Network Algorithm | 19A21A0495 |
| | | | | 20A25A0408 |
| | | | | 19A21A0468 |
| | | | | 19A21A0490 |
| 7 | MC1 | Mr. E. SUMA | Drug Recommendation system using | 19A21A04S7 |
| | | | | 19A21A04H0 |



SWARNANDHRA COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous)

Narsapur, West Godavari District, A.P. 534280

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

| | | | | |
|----|-----|--------------------|--|------------|
| | | | users rating and sentiment analysis by machine learning | 20A25A0416 |
| | | | | 19A21A04H3 |
| | | | | 19A21A04G0 |
| 8 | MC2 | Mr. M.GUNASEKHARAN | Signature verification using image processing and Deep learning | 19A21A04D9 |
| | | | | 19A21A04F2 |
| | | | | 19A21A04G3 |
| | | | | 19A21A04E0 |
| 9 | MC3 | Mr.P.UDAYA BHASKAR | EXTRACTION OF TEXT FROM IMAGE THROUGH VOICE AND TEXT FORMAT BY USING MATLAB | 19A21A04H9 |
| | | | | 19A21A04F8 |
| | | | | 19A21A04E8 |
| | | | | 19A21A04G1 |
| 10 | MC4 | Mr. M.MURALI | Skin disease diagnosis using convolutional neural network | 19A21A04F7 |
| | | | | 19A21A04E3 |
| | | | | 19A21A04G4 |
| | | | | 20A25A0423 |
| 11 | MD1 | Mr. M.MURALI | Content based Image retrieval using deep learning | 19A21B0423 |
| | | | | 19A21B0440 |
| | | | | 20A25B0405 |
| | | | | 19A21B0404 |
| | | | | 19A21B0411 |
| 12 | MD2 | Mr.N.VELUTHAMBI | Rainfall prediction using machine learning techniques | 19A21B0409 |
| | | | | 19A21B0433 |
| | | | | 19A21B0410 |
| | | | | 19A21B0448 |
| 13 | MD3 | Mrs.K.RAMA LAKSHMI | Food data identification and dietary supplement information using convolution neural network | 19A21B0442 |
| | | | | 19A21B0406 |
| | | | | 19A21B0402 |
| | | | | 19A21B0441 |



Ranjit
HOD



SWARNANDHRA COLLEGE OF ENGINEERING AND TECHNOLOGY
(Autonomous)

Narasapur, West Godavari District, A.P. 524289

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VLSI MAIN PROJECT LIST (2022-23)
VIII SEMESTER

| S.NO | Batch No | Guide Name | Title of the Project | Register Number |
|------|----------|-----------------------------|---|-----------------|
| 1 | VA1 | Mr.A.R.V.S.GUPTA | Design of 1T 1R1A1M using VFT techniques for High speed memory applications | 20A25AS440 |
| | | | | 19A21AS441 |
| | | | | 19A21AS442 |
| | | | | 19A21AS443 |
| 2 | VA2 | Mrs.G.LAKSHMI PRASANNA | Implementation of sorting network using counters and comparators for VSP systems | 20A25AS444 |
| | | | | 19A21AS445 |
| | | | | 19A21AS446 |
| 3 | VA3 | Mrs.A.S.N.V.LAKSHMI KANTHAM | High flexible low latency memory based VFT processor for 4G, WLAN & 5G | 19A21AS447 |
| | | | | 19A21AS448 |
| | | | | 19A21AS449 |
| | | | | 19A21AS450 |
| 4 | VA4 | Mr. V.SATYA KISHORE | 12T SRAM CELL FOR AEROSPACE BY NANO SCALE CMOS TECHNOLOGY | 20A25AS451 |
| | | | | 19A21AS452 |
| | | | | 19A21AS453 |
| 5 | VB1 | Mr.A.R.V.S.GUPTA | Design and verification of DDR SDRAM memory control for high coverage system verification | 19A21AS454 |
| | | | | 19A21AS455 |
| | | | | 19A21AS456 |
| 6 | VB2 | Mrs.G.NAVYA | VOICE CONTROLLED HOME AUTOMATION SYSTEM | 19A21AS457 |
| | | | | 19A21AS458 |
| | | | | 19A21AS459 |
| 7 | VB3 | Mrs.A.S.K.S.SINDHU | implementation of a cross bar switch for CDMA communication in NOC | 20A25AS460 |
| | | | | 19A21AS461 |



SWARNANDHRA COLLEGE OF ENGINEERING AND TECHNOLOGY
(Autonomous)

Narasapur, West Godavari District, A.P. 534280

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

| | | | | |
|----|-----|----------------------|--|------------|
| | | | | 19A21A04B4 |
| | | | | 19A21A0465 |
| 8 | VB4 | Dr. B. SADA SIVA RAO | Implementation of pseudorandom number generator based on chaos based bitwise system for high speed applications on fpga. | 19A21A0476 |
| | | | | 19A21A04A3 |
| | | | | 19A21A04B5 |
| | | | | 19A21A04B2 |
| | | | | 19A21A0473 |
| 9 | VB5 | Mr.G.ASHOK JEEVAN | An area efficient FIR filter design using 4:2 compressor for DSP systems | 19A21A0489 |
| | | | | 19A21A0467 |
| | | | | 19A21A0483 |
| | | | | 19A21A04A6 |
| 10 | VC1 | Dr. K. BALAMURUGAN | Design of Bi-Noc router using advanced fifo structure for high speed communication system | 19A21A04F1 |
| | | | | 19A21A04E4 |
| | | | | 20A25A0425 |
| | | | | 20A25A0418 |
| 11 | VC2 | Mr.L.ANJANEYULU | Area-delay, power efficient Multi-operand Binary Tree adder | 19A21A04G2 |
| | | | | 19A21A04G8 |
| | | | | 19A21A04H5 |
| | | | | 20A25A0426 |
| 12 | VC3 | Mr.A.R.V.S.GUPTA | Design of a aging aware &AHL technique for critical applications | 19A21A04D0 |
| | | | | 19A21A04H1 |
| | | | | 20A25A04F3 |
| | | | | 19A21A04C6 |
| 13 | VC4 | Mr.CH. KL. RAO | An efficient adder design by using fixed width technique for DSP applications | 19A21A04H4 |
| | | | | 19A21A04F6 |
| | | | | 19A21A04E9 |
| | | | | 19A21A04E2 |
| 14 | VD1 | Dr. T.ALEXANDER | IMPLEMENTATION OF DUAL CLOCK COMMUNICATION SYSTEM USING MESOCHORONOUS DUAL CLOCK FIFO BUFFER TECHNIQUE | 20A21B0407 |
| | | | | 20A25B0404 |
| | | | | 19A21B0405 |
| | | | | 19A21B0449 |



SWARNANDHRA COLLEGE OF ENGINEERING AND TECHNOLOGY
(Autonomous)

Narsapur, West Godavari District, A.P. 534280

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

| | | | | |
|----|-----|-------------------------|---|------------|
| 15 | VD2 | Dr. B. SADA SIVA RAO | AN ENERGY EFFICIENT PIPE LINE BASED ON POSITT MULTIPLIER SYSTEM FOR ALU APPLICATIONS | 20A25H0402 |
| | | | | 20A25H0403 |
| | | | | 19A21H0425 |
| | | | | 19A21H0428 |
| 16 | VD3 | Mr.K.A.RAVI KIRAN | Low power accurate unsigned multiplier for configurable error recovery | 19A21H0418 |
| | | | | 19A21H0426 |
| | | | | 19A21H0408 |
| | | | | 19A21H0419 |



[Handwritten Signature]
HOD