

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

SDG	Sustainable DevelopmentGoal	SDG	Sustainable DevelopmentGoal
SDG - 1	No Poverty	SDG - 10	ReducedInequality
SDG -2	ZeroHunger	SDG - 11	Sustainable Cities & Communities
SDG -3	GoodHealthandwell being	SDG - 12	Responsible Consumption & Production
SDG -4	Quality Education	SDG - 13	ClimaticAction
SDG -5	Gender Equality	SDG - 14	Life belowWater
SDG - 6	Cleanwaterand Sanitation	SDG - 15	LifeonLand
SDG - 7	Affordable a n d Clean Energy	SDG - 16	Peace, Justice & Strong Institutions
SDG - 8	Decent Work & Economic Growth	SDG -17	Partnerships for the Goals
SDG - 9	Industry, Innovation & Infrastructure	--	--

6ECE1: Mini Projects with SDGs (2024-25)

S.No.	Student Roll Numbers	Name of the Student	Title of the Mini Project	SDGs addressed	Project Guide Name
1	B20EC039	RathodPavanKalyan	IoT Based Forest Fire Alerting System	SDG - 13,SDG - 15	Dr.M.Raju
2	B22EC001	AletiRushendra	Flood Alert System	SDG -13, SDG -11	Dr.Md.AbdulMuqueem
3	B22EC002	AvulaRenuSree	Design and analysis of low power FM transmitters for enhanced range and efficiency.	SDG -9	P.Chiranjeevi
4	B22EC003	Kota Manikanta	A 2.4 GHz Low Noise Amplifier Design At 130nm CMOS Technology Using Common Gate Topology For Wifi / Wimax Application"	SDG -9	A.Pavan
5	B22EC004	BodhulaVarun	Quiz Application	SDG -4	Sri.Ch.Pavan Kumar

6	B22EC007	ManthenaManogna	Sign language to speech conversion system with flex sensors	SDG -10	Dr.J.Tarun Kumar
7	B22EC008	KandukuriSpurthy	Hostel Management and Bill Tracking	SDG -11	Dr.V.Raju Reddy
8	B22EC009	PadigapatiJyothi	Design and simulation of TCRO PUF using cadence	SDG -9	A.Pavan
9	B22EC010	D Vaishnavi Reddy	Smart parking slots and payment using IOT	SDG -11	Dr.Ch.Sridevi Reddy
10	B22EC011	Musham Vijay	Motion based automatic door opener	SDG -9	Dr. R. Srikanth
11	B22EC012	M Koushik	Ultrasonic Blind Walking stick	SDG -10	Dr.Ch.Sridevi Reddy
12	B22EC013	ChSaiThrushna	Design of an inclined slot fed linearly polarised microstrip patch antenna for 5G Applications	SDG -9	Dr.M.Chandrasekhar
13	B22EC014	Rudrabhatla Shiva Teja	Voice Assist Grass Cutter	SDG -9	E.Susmitha
14	B22EC015	Syed Tauseef Ashraf	IoT Based Heart monitoring system using ECG	SDG -3	Syed ZaheerUddin
15	B22EC016	kotraSaikumar	IOT Based Automatic Vehicle Accident Detection and Rescue System	SDG -3, SDG -11	Dr.B.Ramadevi
16	B22EC017	ChirraSrivani	Design of a rectangular patch antenna for 5G Applications	SDG -9	Dr.M.Chandrasekhar
17	B22EC018	AdapaSai Krishna	Intelligent Engine Locking System Based on Driver Condition Monitoring	SDG -3	Dr.B.Ramadevi
18	B22EC019	GampalaSiddu	Licensed Based Engine Ignition System	SDG -9	S.Pradeep Kumar
19	B22EC020	RevuriSaiTeja	IoT based Smart Traffic Light	SDG -11	Dr.Md.AbdulMuqueem
20	B22EC021	KalvacharlaAshwitha	Quiz Application	SDG -4	Dr.M.Chandrasekhar
21	B22EC022	A Ram Prasad	Electronic voting machine using fingerprint sensor on Arduino	SDG -16	Dr. S.P Girija
22	B22EC023	DolluPradeep	Educational Blog Application	SDG -4	S.Pradeep Kumar
23	B22EC024	Mohammed Sohail	Home Automation Using LoRa and Arduino	SDG -9	B.Komuraiah
24	B22EC025	PanchagiriSaiTeja	Smart alert system using ESP32 and	SDG -11	Syed ZaheerUddin

			SIM800L GSM module		
25	B22EC026	PapaniSaiSrija	ESP8266 Wireless Web Server	SDG -9	V.Shobhan Reddy
26	B22EC027	Mohammad Sameer	LPG Gas Leakage Detection System with Auto Cut Off Regulator Using Arduino	SDG -9, SDG -11	Dr. S.P Girija
27	B22EC028	Pureti Guru Venkatesh	Smart Portable Water Quality Tester for Real-Time Alerts	SDG -6	P.Chiranjeevi
28	B22EC029	AbbojuSindhuja	Habit Tracker	SDG -3	Dr. R. Srikanth
29	B22EC030	Palleveni Shiva Kumar	Smart Automatic Hand Sanitizer Sensor	SDG -3	Dr. R. Srikanth
30	B22EC031	DugyalaAnkitha	Arduino based wireless frequency meter	SDG -9	V.Shobhan Reddy
31	B22EC033	B Manish Kumar	landslide detection and system warning	SDG -13, SDG -11	Dr. S.P Girija
32	B22EC034	AbbuSindhu	personalised health monitoring system for mountain climbers	SDG -3	S.Pradeep Kumar
33	B22EC035	PonnagantiSaiSathvik	Design of a CPW fed square patch antenna for IoT Applications	SDG -9	Dr.M.Chandrasekhar
34	B22EC037	PanchalaSaimythri	A Short Range Radar System Using Arduino	SDG -9	Dr.M.Raju
35	B22EC038	J Sri AbhinavTeja	Job Portal	SDG -8	Dr.B.Ramadevi
36	B22EC039	VankudothAnitha	Design and Development of Anti-Sleep Goggles for Drowsiness Detection while Driving to Avoid Accidents	SDG -3	Dr.V.Raju Reddy
37	B22EC040	AkuthotaShruthi	Home Appliances Control Using Lora and Arduino	SDG -9	B.Komuraiah
38	B22EC041	BaisaAkshaya	IoT Based Smart Control System For Monitoring Agriculture	SDG -2, SDG -11	E.Susmitha
39	B22EC042	ChakralaSahasra	Automatic Plant Watering System using Arduino Uno	SDG -2,SDG -6	Dr.Md.AbdulMuqueem
40	B22EC043	BadavathSrivani	Smart Waste Sorting Using Arduino Uno	SDG -11, SDG -12	Dr.M.Raju
41	B22EC044	GantaSrinivas Raj	Interior Designing Client Management System	SDG -9	Dr.Ch.Sridevi Reddy
42	B22EC045	Sara MehareenSania	Smart Street Lighting System using Arduino	SDG -7, SDG -11	Syed ZaheerUddin
43	B22EC046	KarreNiharika	Accessible fan control and safety system with overspeed alerts for physically	SDG -10	B.Komuraiah

			challenged persons		
44	B22EC047	MovvaAnirudh	Vehicle Speed Checker Using Arduino	SDG -11	E.Susmitha
45	B22EC048	PanugothuManiraj	Health tracker Application - HealthVault	SDG -3	Dr. S. Umamaheshwar
46	B22EC049	NakkaHashvitha	IR Sensor Based Traffic Density Detection and Signal Adjustment Project	SDG -11	V.Shobhan Reddy
47	B22EC051	Mohammad Ibraheem	Basic Malware detector	SDG -16	Dr. S. Umamaheshwar
48	B22EC052	Akinapallykalyan	Design and implementation of mixedsignal circuit for a 4:1 multiplexer	SDG -9	P.Chiranjeevi
49	B22EC053	JaNaveenaGayathri			A.Pavan
50	B22EC054	ManchalaVivek	Automatic fire Suppression system using Arduino UNO	SDG -3, SDG -11	Dr. S. Umamaheshwar
51	B22EC055	Banoth Trisha	Smart Touchless Doorbell Featuring IR Sensor for Elevated Hygiene and Protection	SDG -3	Sri.Ch.Pavan Kumar
52	B22EC056	KonduriSamyuktha	Object detection based on ESP32 cam using Open CV	SDG -9	V.Shobhan Reddy
53	B22EC057	SingireddyTharuni	Air quality monitoring system using Arduino uno	SDG -3, SDG -11	S.Pradeep Kumar
54	B22EC058	Mekala Samuel Raj	Forum or Discussion Board	SDG -17	Dr.J.Tarun Kumar
55	B22EC059	DevaraManasa	Expense tracker management system	SDG -8	Dr. S. Umamaheshwar
56	B22EC060	DundigallaBharadwaj	Design of traffic light controller using Verilog	SDG -11	Dr.V.Raju Reddy
57	B22EC061	Bollam Vishnu Vardan			Dr.B.Ramadevi
58	B22EC062	ChandanalaPramodh	Wireless Charging Station	SDG -7	E.Susmitha
59	B22EC063	DonalaHimasvi	Design and Analysis of FinFET inverter	SDG -9	Dr.V.Raju Reddy
60	B22EC064	SdNayabRasool	weather monitoring using Arduino	SDG -13	B.Komuraiah
61	B23EC193L	ChintalapudiBrahmani	Auto Intensity Regulation Of Street-Light Using Arduino	SDG -7, SDG -11	Dr.M.Raju
62	B23EC194L	AdepuArchana	IoT Based Patient Health Monitoring System Using Arduino And ESP8266	SDG -3	Dr. S.P Girija
63	B23EC195L	GaddamSangeetha	Two Stage CMOS Operational Amplifier in Cadence Virtuoso	SDG -9	Sri.Ch.Pavan Kumar

			Using 180nm Technology		
64	B23EC196L	H Keerthana	Earthquake indicator using Arduino	SDG -13	Dr.M.Raju
65	B23EC197L	K Sudharshan	Social Distancing ID Card	SDG -3, SDG -16	Dr. R. Srikanth
66	B23EC198L	MD Shoaib Adnan	IoT Based Fall Detection Monitoring for Elderly People using Arduino UNO	SDG -3	Dr.J.Tarun Kumar
67	B23EC199L	JanapatlaSowmya	Area Efficient Carry Select Adder using Cadence tools	SDG -9	A.Pavan

6ECE2: Mini Project Titles with SDGs

S.No	Student Roll Numbers	Name of the Students	Title of the Mini Project	SDGs Addressed	Project Guide Name
1	B22EC065	Rahul dasi	Habit tracker	SDG -3	Dr. T. Sunil Kumar
2	B22EC066	V.Bovignan	MRI based Automatic Brain Stroke Detection using CNN Models	SDG -3	Sri P. Yugander
3	B22EC067	ChetanMankala	IoT-based Distribution Transformer Condition Monitoring System using ESP32	SDG -9	D. Santhosh Kumar
4	B22EC068	M.Eshwar	IoT Traffic Signal Monitoring & Control System	SDG -11	Dr.D.Venu
5	B22EC070	AdunuriSusmitha	A Benchmark Study of Machine Learning for Analysis of Signal Feature Extraction Techniques for Blood Pressure Estimation Using Photoplethysmography (PPG)	SDG -3	Prof.K.Ashoka Reddy
6	B22EC071	Yuvaraj	Implementation Automated Attendance System using Facial Recognition technique	SDG -4, SDG -16	E.Suresh
7	B22EC072	G Amith Reddy	Real Time Object Detection for Autonomous Vehicles with YOLO	SDG -9	Dr.J.SheshagiriBabu
8	B22EC073	Mamindla Mani ChandhanaYadav	Bookoria - Online Bookstore E-Commerce	SDG -4, SDG -8	Mr.SyedZaheeruddin
9	B22EC075	V.Shivanjani	Image processing design and algorithm research based on cloud computing	SDG -9	Dr.K.Sowjanya
10	B22EC076	A.Vivek Reddy	Enhanced Biometric	SDG -4, SDG -16	Dr.D.Venu

			Attendance		
11	B22EC077	Ch.Manideep	Smart Dustbin	SDG -11, 12	Dr.B.Rama Devi
12	B22EC078	K.SAI AHKIL	Facial emotion detecting using Arduino	SDG -3	E.Suresh
13	B22EC079	G.Nethri	Travel journal	SDG -8	Dr.D. Venu
14	B22EC080	Vollalavamshi	Cuffless blood pressure monitoring using ppg signals and it's second derivate	SDG -3	Prof. K.Ashoka Reddy
15	B22EC081	SingarapuSaiChandana	Restaurant Application	SDG -8	Dr.D.Venu
16	B22EC082	A.Chandana	A novel personalized motion and noise artifact detection for smartphone using photoplethysmography signals	SDG -3	Prof.K.Ashoka Reddy
17	B22EC083	Mohammad sameer pasha	Rain detection-based clothes collecting system using UNO	SDG -12	Dr.A.Srinivas
18	B22EC084	VangariMitesh Chandra	Voice controlled home automation using NodeMCU	SDG -9	A.Vijaya
19	B22EC085	A.Rakshith	Manhole detection and monitoring system	SDG -11	Dr.K.Sowjanya
20	B22EC086	M.Sathwik	Cuff-Less Blood Pressure Estimation Algorithms for Continuous Health-Care Monitoring	SDG -3	Prof. K.Ashoka Reddy
21	B22EC087	KanugantiShashi Varma	Innovative voice activated wheel chair	SDG -10	E.Suresh
22	B22EC088	Srikanth	movie rating system	SDG -4	Dr.B.Rama Devi
23	B22EC089	B.Varshith	Arduino Based visitor counter system	SDG -11	Dr.B.Rama Devi
24	B22EC090	AluguriSaiNikitha	Smart Home Automated Application Using Iot With Blynk	SDG -9	Dr.V.Venkateshwar Reddy
25	B22EC091	B.Bunny	Deduction of human sleep disorder using MLwith python	SDG -3	P.Yugendar
26	B22EC092	GampalaSaireddy	Online Discussion Forum	SDG -17	Dr.A. Srinivas
27	B22EC093	S.Teja	Design of a Rectangular Microstrip Patch Antenna for IoT Applications	SDG -9	Dr. M. Chandrashekhar
28	B22EC094	G.Raghuram	Trip agency and Hotel management System	SDG -8	Dr.S.P..Girija
29	B22EC095	S. Varshini	IoT Based Anti-Theft Floor Detection System	SDG -11	Dr. K. Sowjanya

30	B22EC096	Mohammad Sameed	Temperature based speed control of fan using Arduino	SDG -7	Dr.S.Umamaheshwar
31	B22EC097	P.Akshay	Stress Analysis and careprediction system for online workers by IoT	SDG -3, SDG -8	Dr.V.Venkateshwar Reddy
32	B22EC098	Pranaykumar	IoT Paralysis Patient Health Care	SDG -3	Dr. J. Sheshagiribabu
33	B22EC099	B.Varshini	Automatic Plant Watering System Using ArduinoUno	SDG -2, SDG -6	D.Santhosh Kumar
34	B22EC100	N.Sahasra	Automatic Garage Door and Management Security System	SDG -11	Sri.A.Pavan
35	B22EC101	S. Srija	Design of CPW fed triangular microstrip patch antenna for IoTApplications	SDG -9	Dr. M. Chandrasekhar
36	B22EC103	Revanth Kumar		SDG -11, SDG -16	Dr.S.P.Girija
37	B22EC104	R Ramu	Facial Recognition based on smart door lock system	SDG -9	Dr.J.sheshagiribabu
38	B22EC105	Mythili	Firestore integrated IoTrobotics system with ESP8266 in real time control and monitoring	SDG -11	D.Santhoshkumar
39	B22EC106	K.Thanish	Smart parking real time space monitoring using IoT	SDG -9	Dr.B.Ramadevi
40	B22EC107	T.Siddartha	Design and implementation for enhanced PID Controller in embedded plat gorm for real time Application	SDG -7	Dr.T.Sunilkumar
41	B22EC108	S.PO oja	Temperature based speed control of fan using Arduino	SDG -8	Dr.G.Raghotham Reddy
42	B22EC109	B.ShivaRam	Employer tracker	SDG -3, SDG -16	Dr.V.Venkateshwar Reddy
43	B22EC110	M.Sai Krishna Goud	Social distancing ID card	SDG -9	Dr.Sheshagiri
44	B22EC111	Bhadra	Design of a on chip Moore inductor	SDG -3, SDG -11	Dr.T.Sunil Kumar
45	B22EC113	GandhamAkshay Sai	Design And Implementation of Forward Collision Warning System	SDG -3	Dr.V.VenkateshwarReddy
46	B22ec114	V.sathwik	Blood Pressure Estimation Using Photo Plethismogram and its Morphological	SDG -10	Prof.K.Ashoka Reddy

			Features		
47	B22EC115	M.Nishitha	Ultrasonic Blind stick for completelyBlind people any kind of obstacles	SDG -2, SDG -9	E.Suresh
48	B22EC116	M.Pavan	Automation in agriculture and IoT	SDG -9	Dr.D.Venu
49	B22EC117	MdSuhaibuddin	Approximate Multiplier Design	SDG -11	Dr.T.Sunil Kumar
50	B22EC118	K.Advaitha	Motion detective securityalarm using PIR Sensor	SDG -9	Dr.A.Srinivas
51	B22EC119	I.Devender	16-Bit Adder using Zero finding Logic	SDG -3	Dr.M.Chandrashekar
52	B22EC120	D Vishnuvardhan	Brain Tumor Detection Using MRI Images And Convolutional Neural Network	SDG -3	Sri.P.Yugander
53	B22EC122	B.Harini	Machine Learning method for Continuous Non-invasive Blood Pressure Detection Based on Random Forest.	SDG -9	Prof.K.Ashoka Reddy
54	B22EC123	D.Sankeerthana	Wired frequency meter using Arduino	SDG -12	.Dr.B.Rama Devi
55	B22EC124	KonduriPranathi	Food Spoilage Detection System (FSDS) Using Arduino	SDG -8, SDG -9	Dr.G.Raghotam Reddy
56	B22EC125	T.Srishanth Raj	Sensor-Driven Industrial Safety Management System for Hazard Detection	SDG -3	A.Vijaya
57	B22EC126	K.Roshan	A continuous cuffless blood pressure measurement from optimal PPG characteristic features using machine learning algorithms	SDG -7, SDG -11	Dr.K.Ashoka Reddy
58	B22EC127	T.Yashwanth	Smart street light system with auto fault detection	SDG -11	Dr.S.Umamaheshwar
59	B22EC128	M Nithin Kumar	Outdoor based fire alarm system	SDG -9	Dr.V.Venkateshwar Reddy
60	B23EC200L	G.Kavyasri	Software based design of SIW slot antenna	SDG -7, SDG -16	A.vijaya
61	B23EC201L	R.Gayathri	Password based circuit breaker	SDG -8	Dr A.Srinivas
62	B23EC202L	Md. ZebhaTharunam	Arduino based smart menu ordering system	SDG -2, SDG -9	Dr. S. Umamaheswar
63	B23EC203L	Akshitha	Automatic indoor hydroponic plant grow pot	SDG -9	Dr. k. Sowjanya

64	B23EC204L	G.Shravan Kumar	Design And Implementation Of 16-Bit Adder Using Carry Select and Carry Save Mode	SDG -3	Dr.G.Raghotham Reddy
65	B23EC205L	MadathaShourya n	Deep Learning in Photoplethysmography (PPG) Applications a Systematic Review	SDG -10	Prof.K.Ashoka Reddy

6ECE3: Mini Project Titles with SDGs

S.No	Student Roll Numbers	Name of the Students	Title of the Mini Project	SDGs Addressed	Project Guide Name
1.	B21EC174	Mohammed SaifuddinNayee m	Design of miniaturized Dual band micro strip antenna for WLAN Application	SDG -9	Smt. A. Vijaya
2.	B22EC129 (ATT)	VasireddyAnurag Reddy	Interior Designing Client Management	SDG -9	Dr. J. Tarun Kumar
3.	B22EC130	Manga Rahul	Weather monitoring system using Verilog	SDG -13	Dr. V. Raju
4.	B22EC131	Polu Hitesh Kumar	Smart Security system for two Wheelers	SDG -11	Dr. J. SheshagiriBabu
5.	B22EC135	MakuVivek	Smart vehicle system - Accident Avoidance and Detection Robot	SDG -3, SDG -11	Dr. G. Raghotham Reddy
6.	B22EC136	IloniAshwanth	Liquid level indicator using Arduino Microcontroller	SDG -6,SDG - 9	Dr. M. Raju
7.	B22EC137	AmmaNiharika	Automatic Room temperature control system using Arduino Uno R3 and DHT11 Sensor	SDG -7, SDG -11	Smt. E. Susmitha
8.	B22EC138	Mohammed KhajaBadrud din	Approximate multiplier design using novel dual stage 4:2 compressors	SDG -9	Dr. V. Raju
9.	B22EC139	KarraSathwik Reddy	Collison alert system for vehicles using GSM technology	SDG -11	Smt. A. Vijaya
10.	B22EC140	MuthyalaAbhina ya	Alcohol detection and engine locking system	SDG -3, SDG -11	Mr. Syed Zaheeruddin
11.	B22EC141	KavaliRakesh	Bluetooth Based wireless notice board using Arduino	SDG -4	Dr. B. Dhanalaxmi
12.	B22EC142 (ATT)	ChandalaSanthos h	Educational Task Management	SDG -4	Dr. G. RaghothamReddy
13.	B22EC143	AmaragondaAkh ila	Single line license plate detection using	SDG -11, SDG -16	Sri. E. Suresh

			open CV and tesseract		
14.	B22EC144	Pendli Praveen	IoT Based fire department alerting system	SDG -11	Smt. A. Vijaya
15.	B22EC145	Mohammad Sabeer	Desing of KU band microstrip patch antenna array for Satellite Applications	SDG -9	Dr. J. Tarun Kumar
16.	B22EC146	VullengalaRakesh	IoT based Air Pollution Monitoring System using Arduino	SDG -3, SDG -13	P. Chiranjeevi
17.	B22EC147	VadnalaMokshagna	Automation of Smart Home using Smart Phone via Google Assistant	SDG -9	Dr. B. Dhanalaxmi
18.	B22EC148	VallapuSudeeptha	Water Quality Monitoring with Temperature, TDS, and Turbidity Sensors	SDG -6	Smt.E. Susmitha
19.	B22EC149	ThurpatiAkshaya	Arduino based Driver Anti-Sleep Detector Alarm	SDG -3	Dr. B. Dhanalaxmi
20.	B22EC150	LingampallyAnanya	Revolutionizing remote healthcare: Processing an IoT& Arduino- based Integrated Approach for real- time health monitoring	SDG -3	Dr. A. Srinivas
21.	B22EC151	EtyalaVenu	Implementation of an IoT - based Intelligent water resources control system for smart farm	SDG -2, SDG -6	Dr. J. Sheshagiribabu
22.	B22EC152	SirivatiSanthosh Kumar	Arduino based liquid dispensing system with flow sensor	SDG -6,SDG - 9	Sri. E. Suresh
23.	B22EC153	PandiHimasri	Intelli Grow: An IoT- Powered Smart Greenhouse Solution	SDG -2, SDG -9	Mr. Syed Zaheeruddin
24.	B22EC154	Naradasu Ganesh	Estimation of Inflow and IoT based DAM Gate System of a Reservoir	SDG -6,SDG - 9	Sri.B. Komuraiah
25.	B22EC155	PatinavalasaHemesh	IoT- Based Heart rate Monitoring System Designed for Pilots	SDG -3	Smt. A. Vijaya
26.	B22EC156	KolluriShresta	IoT based Intelligent Gas Leakage Detector using Arduino Uno	SDG -11	Sri.B. Komuraiah
27.	B22EC157	VenukantiYashwanth Kumar	Smart Street Light Management System using IoT for Enhanced Energy and Efficiency Control	SDG -7, SDG -11	Smt. E. Susmitha
28.	B22EC158	Badavath	IoT Based Smart	SDG -11	Dr. B. Dhanalaxmi

		Praveen	Parking System		
29.	B22EC159	BhukyaSamathaVardhan	IR Remote Control Switch	SDG -9	Dr. R. Srikanth
30.	B22EC160	KodelaSiriChandana	Implementation of Automatic Gas Accident Prevention System using Arduino and GSM	SDG -3, SDG -11	Sri.S. Pradeep Kumar
31.	B22EC161	SuthariTonija			Dr. V. Venkateshwar Reddy
32.	B22EC162	GundameediSrivastav			Sri. E. Suresh
33.	B22EC163	GummulaPawan Kishore	Emotion Detection and Visualization using Embedded Systems with Light Indications	SDG -3	Dr. G. RaghothamReddy
34.	B22EC164	KattaShirisha	IoT based Smart Garage Door Opener	SDG -11	Sri. S. Pradeep Kumar
35.	B22EC165	BudhiAkhila	Arduino based gas and Smoke Detector Realized using MQ-2 Sensor	SDG -3, SDG -11	Sri. E. Suresh
36.	B22EC166	BanothuNithin	RADAR System using Arduino	SDG -9	Dr. G. Raghotham Reddy
37.	B22EC167	LyadallaGouthami	QR Code based Student Attendance System	SDG -4, SDG -16	Dr. D. Venu
38.	B22EC169	SiddanaMeghana	Design of Optimized array multiplier with full adder	SDG -9	Sri. P. Chiranjeevi
39.	B22EC170	Mohammed Ayesha	Contactless doorbell using Arduino	SDG -3	Dr.M. Raju
40.	B22EC171	NegarakantiNagesh	Smart Irrigation System	SDG -2, SDG -6	Sri. P. RamchandarRao
41.	B22EC173	SailiAmulya	Lora based fire detection system for early alerts	SDG -11	Dr. A. Srinivas
42.	B22EC174	ChallagurugulaRishitha	Smart GPS tracker using Arduino	SDG -11	Dr. V. Venkateshwar Reddy
43.	B22EC176	Bashaboina Shiva BalaChaitanya	Design of digital clock alarm based on Verilog HDL	SDG -9	Dr. V. Raju
44.	B22EC177	MonepallySruthika	Hand gesture based virtual mouse system	SDG -9, SDG -10	Sri. P. Chiranjeevi
45.	B22EC178	MadipelliAkshitha	online auction system using python	SDG -8,SDG - 17	Dr. V. Venkateshwar Reddy
46.	B22EC179	Satla Krishna	Implementation of distance measurement using Arduino Uno, HC-SR04 and LCD display.	SDG -9	Sri. P. RamchandarRao
47.	B22EC180	PakaCharishma	Face recognition based attendance system	SDG -4, SDG -16	Dr. M. Raju
48.	B22EC181	Dhathri Sri	Arduino based dual	SDG -9,SDG - 11	Sri. S. Pradeep Kumar

		Molugoori	mode grass cutter robot		
49.	B22EC182	SingarapuPremDinakar	A Review on Carry Select Adder and Carry Skip Adder	SDG -9	Dr. J. SheshagiriBabu
50.	B22EC183	NehaIshrath	Smart safety rover: An autonomous robot for fire, gas, obstacle detection and avoidance	SDG -11	Sri. P. RamchandarRao
51.	B22EC184	VorugantiChaturya	Smart bridge using Arduino with auto height increase	SDG -11	Dr. R. Srikanth
52.	B22EC185	GaddamVeena	Webkey: WiFi based smart lock with login page	SDG -11, SDG -16	Dr. V. Venkateshwar Reddy
53.	B22EC187	Kolipaka Sanjay	IoT Energy meter with Current Voltage and cost Monitoring System	SDG -7,SDG - 12	Dr. D. Venu
54.	B22EC188	Po DishettyTejasri	Gesture based home appliance control system for disabled people	SDG -10	Mr. Syed Zaheeruddin
55.	B22EC189 (ATT)	PandillaSharvani	Health Tracker Application	SDG -3	Sri. B. Komuraiah
56.	B22EC190	DeshiniAbhinay	Prepaid electric meter with theft alert	SDG -7, SDG -11, SDG -16	Dr. A. Srinivas
57.	B22EC191	MedipelliSravani	Designing a smart firefighting robot with the Arduino Uno	SDG -11	Mr. Syed Zaheeruddin
58.	B23EC206L	Guguloth Rajesh	Obstacle detection system for visually impaired individuals	SDG -10	Dr. D. Venu
59.	B23EC207L	BommidiAkshaya	Arduino Morse code decoder and trainer	SDG -4	Dr. D. Venu
60.	B23EC208L	BanalaNikitha	Arduino based piano	SDG -4	Dr. R. Srikanth
61.	B23EC209L	JatothMaheshwari	IoT based health monitoring using Arduino	SDG -3	Dr. J. Tarun Kumar
62.	B23EC210L	PrathapaNavaneeth	Square root carry select order zero finding logic	SDG -9	Dr. M. Raju
63.	B23EC211L	EslavathYashwanth	Alive human body detector in war field	SDG -16, SDG -3	Dr. R. Srikanth

6ECE1: Mini Projects with SDGs (2023-24)

Batch No.	Roll Number	Name of the Student	Mini project Title	SDGs addressed	Name of the Supervisor
Batch 1	B21EC003	BodlaRushikesh	Smart Monitoring and Collection of Garbage	SDG -11, SDG -12	Dr.Ch. Sridevi
	B21EC036	Ragi Vishnu Sai			

	B20EC059	VadlakondaKarthik (R)	System Using Internet of Things		
	B21EC025	Ramula Rahul	IoT based car parking using NodeMCU	SDG -11	
	B21EC007	MunigalaTharun			
Batch 2	B21EC002	RaaviSrija	Power generation through footsteps	SDG -7	Dr. M. Raju
	B21EC028	NagavellyNehaNandini			
	B21EC031	MullapudiSreekar	Integrating voice control: An in-depth analysis of Android and Arduino programming for robot movement	SDG -9	
	B21EC062	AzmeeraAkash			
Batch 3	B21EC010	Pingili Shiva Chandana	A level set method based on Additive Bias Correction for Image Segmentation	SDG -3, SDG -9	Dr. K. Ramudu
	B21EC005	PeddySaiShivani	A Hybrid level set model for Image segmentation	SDG -3, SDG -9	
	B21EC060	Gandi Rahul	Automation in agriculture and IoT	SDG -2, SDG -9	
	B21EC020	KalvaNikhitha			
Batch 4	B21EC009	YanjalaSainishitha	Outdoor based fire alarm system	SDG -11	A. Srinivas
	B21EC023	KalvaKarthik			
	B21EC030	AbhilashVanga	Three-Stage Power Supply System Model for a Wearable IoT Device for COVID-19 Patients	SDG -3, SDG -9	
	B21EC063	GurramThanuja			
Batch 5	B21EC013	Gone UdayKiran	AI enabled drone controller using voice commands	SDG -9	Dr. V. Raju
	B21EC004	AtmakurAbhiCharan			
	B21EC047	B EshwarDattu	IoT based smart water heater	SDG -7	
	B21EC024	JangaKarthikeya			
Batch 6	B22EC198L	KamujulaHrushikesh	An Energy Saving Automatic Water System for Plants	SDG -2, SDG -6	Dr. B. Rama Devi
	B21EC058	Pilli Anvitha			
	B21EC035	Nithin Kumar Dasari	Automatic Lighting System using Light Dependent Resistor & Ultrasonic sensor	SDG -7,SDG - 11	
	B21EC059	SriramulaPawanSai			
Batch 7	B21EC052	KanchuPrathyusha	IoT based system for heart rate monitoring device	SDG -3	A.Srinivas
	B21EC045	T Vamshi			
	B21EC057	DurishettiSahithi	Low-Cost Energy Efficient Smart Security System with IoT Networks	SDG -7,SDG - 11	
	B21EC006	ArshamKranthi			
Batch 8	B21EC011	BandiPavani	Digital code lock	SDG -11, SDG -16	B. Komuraiah

	B21EC038	BijjaTharuni	system using a microcontroller		
	B21EC026	MamillapalliYashwanth	Satellite stargazer: an Arduino-driven turret for real-time celestial tracking	SDG -4, SDG -9	
	B21EC042	AmbatiVivek			
Batch 9	B21EC014	PosaniArunprasad	Automatic Room monitoring with Visitor counter.	SDG -11	Dr. M. Raju
	B22EC195L	AruriNavya			
	B21EC037	Bonala Mahesh Babu	Temperature Based speed control fan Using Arduino	SDG -7	
	B22EC200L	NallellaKavya			
Batch 10	B21EC064	AfraTabassum	Leaf disease detection using IoT	SDG -2, SDG -9	Dr.G.Raghotham Reddy
	B21EC034	VemulaTeja Sri	IoT based Weather monitoring system	SDG -13	
	B21EC049	Soma Sucharitha			
Batch 11	B22EC199L	PallaNayanika	Fire Alarm system using Arduino	SDG -11	J.SheshagiriBabu
	B21EC021	GaliShashi Kumar			
	B21EC041	B AbhiSathwik Reddy	IoT based air pollution monitoring system using Arduino	SDG -3, SDG -13	
	B21EC051	SangepuKarthik			
Batch 12	B21EC056	ChHemanth Kumar	Real time temperature monitoring system using Arduino and MATLAB	SDG -9, SDG -13	Dr. V.Venkateshwar Reddy
	B21EC022	GurrapuSaiPraneeth			
	B21EC012	SherlaAdvikpatel	Home automation(lights) using ESP8266 and relay module	SDG -9, SDG -11	
	B21EC019	AdudodlaAshreesha Reddy	Segmentation of medical images using level set method to detect liver cancer	SDG -3	
Batch 13	B21EC017	ChunchuAkhil	Deep Convolutional Neural Network-Based Signal Quality Assessment for Photoplethysmogram	SDG -3	Prof. K.Ashoka Reddy
	B21EC018	MamidiVinay			
	B21EC054	Madhi Reddy Vijay Chander	Photoplethysmographic Signal Quality Assessment: a Comparative Study of Unsupervised and Supervised Neural Networks	SDG -3	
	B21EC001	Lingabathini Vishnu Teja	Improving PPG signal classification with ML: The power of second opinion	SDG -3	
Batch 14	B22EC196L	ThatikondaSravan	Temperature management system	SDG -7, SDG -9	S.Pradeep Kumar

			for Electric vehicle batteries.		
	B20EC039	PawanKalyan (R)	IoT based forest fire alerting system using GPS co-ordinates	SDG -13, SDG -15	
	B21EC053	MaskulaSoumya Sri	IoT based health monitoring system	SDG -3	
	B21EC048	NallaSaiPriya			
Batch 15	B22EC201L	Neeratilshwarya	IoT based automatic vehicle accident detection and rescue system	SDG -3, SDG -11	Dr. V.Venkateshwar Reddy
	B21EC039	VerukondaVyshnavi			
	B21EC046	KodamSaiSathSangeeth	Arduino based solar energy tracking system	SDG -7	
	B21EC055	GangarapuChandu			
Batch 16	B22EC197L	Kola Sneha	MRI based detection of autism using convolution neural network algorithm	SDG -3	P.Yugander
	B21EC015	Ch. Saichakravarthiraju			
	B21EC016	Jilla Sunny	Autism spectrum disorder (ASD) detection by using Support Vector Machine (SVM)	SDG -3	
	B21EC043	ThampullaRevanth			
Batch 17	B21EC044	ParvathamSaiTharun	IoT based Weather monitoring system using NodeMCU	SDG -13	E. Suresh
	B21EC050	SakapuriKeerthi Sri			
	B21EC008	ChShivanishekhar	Gesture based Home appliance control system for Disabled People	SDG -10	
	B21EC027	RauthVineeth			
Batch 18	B21EC033	KotapatiPoojithHarshan	DeepFake video Detection by combining CNN and RNN	SDG -16	Dr. D. Venu
	B21EC029	Gadudasu Rahul			
	B21EC061	DingariJayendra	Sentimental analysis on E-commerce reviews and ratings using NLP and ML models to understand consumer behavior	SDG -8, SDG -9	
	B20EC027	BhukyaPrakash (R)	Residential security alarm using Arduino	SDG -11, SDG -16	

6ECE2: Mini Projects with SDGs (2023-24)

Batch No.	Roll Number	Name of the Student	Mini project Title	SDGs addressed	Name of the Supervisor
Batch 1	B21EC128	ChinthalaBhanu Sri Yadav	Innovative Voice Controlled	SDG -10	Dr. S. P. Girija

	B21EC078	AppaniVineela	Wheelchair With Embedded Systems		
	B22EC204L	ShaikMudassir Nawaz	Flex Sensor Based Sign Language To Speech Conversion System	SDG -10	
	B21EC071	BillakantiTeja	Wireless Mobile Detection System	SDG -9	
Batch 2	B21EC098	JunuriNeha	Tech Toll: Arduino Enhanced RFID Automation For Seamless Toll Collection	SDG -9, SDG -11	P. RamchanderRao
	B22EC206L	GummadiKalyani	Facial Recognition For Visually Challenged Person	SDG -10	
	B21EC070	FariyaFathima			
	B21EC119	OrugantiBhanu Prasad	IoT Based Home Automation Using Esp8266	SDG -9, SDG -11	
Batch 3	B21EC077	SangatiThriveni	Speed Control Of Vehicle Using Rf Near Restricted Zones	SDG -11	Syed Zaheeruddin
	B22EC205L	NenavathSandhya			
	B21EC090	Gunda Siddhartha	Lora Based Fire Alarm System For Early Alerts	SDG -11	
	B21EC100	AurupallyManindra			
Batch 4	B21EC083	OddulaSneha	Arduino Based Liquid Dispensing System With Flow Sensor	SDG -6, SDG -12	D. Santhosh Kumar
	B21EC115	ShaikSameera			
	B21EC075	VaddaboinaHrishita	Home Appliance Control Using Lora & Arduino	SDG -9,SDG -11	
	B21EC085	MilukulaAbhilash			
Batch 5	B21EC081	Methukupally Keerthana	IoT Based Blind Navigation System Using Nodemcu	SDG -10	V. Shobhan Reddy

	B21EC107	ThummalaSharath Babu	Integrated Fire Alarm And Motion Alarm Systems With Gsm For Enhanced Security	SDG -11	
--	----------	----------------------	---	---------	--

	B21EC121	GurramVamshi	Automatic Zebra Crossing	SDG -11	
Batch 6	B21EC097	GampaDhanush	Error Detection And Optimised Streetlight Management	SDG -7, SDG -11	Dr. T. Sunil Kumar
	B21EC072	BhamidipatiSaiSubrahmanyaSomayajulu			
	B21EC092	VeeratiVinay	Real Time Indoor Air Monitoring System	SDG -3, SDG -11	
	B21EC073	KamidiSaiDhanush Reddy	Accident Information System Using GPSGSM Module	SDG -3,SDG - 11	
Batch 7	B21EC101	BandiSravani	Design and Simulation Of Variable Width On Chip Inductor	SDG -9	P. Chiranjeevi
	B21EC096	KanneRethil			
	B21EC094	KoyalkarSahithi	Design And Simulation Of Variable Thickness Of On-Chip Inductor	SDG -9	
	B21EC065	Syed Zeeshan Ahmed			
Batch 8	B21EC112	MamindlaSrilekha	Gas Leakage Detector And Alerting System	SDG -11	Dr. G. Raghotham Reddy
	B21EC095	BhukyaNithin	Temperature And Humidity Monitoring Using Arduino	SDG -13	
	B21EC110	SakethSairamMusipatla	Arduino Based Radar System	SDG -9	
Batch 9	B21EC102	Sreeramojulaxmisanjana	Hydroponic Automation	SDG -2, SDG -9	Md. Abdul Muqueem
	B22EC203L	GandiAkashVarma			
	B21EC106	KalakondaHarika	Arduino Based Bluetooth Controlled RC Car	SDG -9	
	B21EC109	PuchaAkshitha			
Batch 10	B22EC208L	SaiEshwarVeldand	Smart Driver	SDG -3	

		i	Drowsiness Detection And Alert System		P. Chiranjeevi
	B21EC122	MunavathSaiCharan			
	B21EC111	DameruppulaSpoorthy	Arduino Based Gesture Control System For Human Computer Interface	SDG -10	
	B21EC126	NallaCherishma			
Batch 11	B21EC113	PuppalaChandu	Automatic Street Light Control System Using Arduino Board	SDG -7, SDG -11	Dr. R. Srikanth
	B21EC089	NooraAbhiram	Driver Drowsiness Detection System	SDG -3	
	B21EC074	Bandi Shiva Kumar			
Batch 12	B21EC076	RondlaRishitha Reddy	Smart Door Lock System Using Blynk	SDG -11	Dr. K.Ramudu
	B21EC127	Baki Nikhil Teja	Smart Dustbin With IoT Using Blynk	SDG -11, SDG -12	
	B21EC088	Kota Thanay Raj	Intelligent Robotic Arm Control System With AI Integration Using Python, Arduino, And Open CV	SDG -9	
	B21EC123	BhukyaSrinivas	Smart Shoe For Blinds Using Arduino	SDG -10	
Batch 13	B21EC084	SankathalaMokshi th	Heart Disease Prediction Using Machine Learning	SDG -3	Prof K. AshokaReddy
	B21EC082	MadipellySaiSadh a	Smart Digital School Bell With Timetable Display	SDG -4	
	B21EC108	SubhashKodam	BP Detection Using Pulse Oximeter	SDG -3	
	B21EC118	E NeeleshwarRao			

Batch 14	B21EC099	KoushikaMamidi	IoT Based Smart Shopping Cart	SDG -12	Dr. S. P. Girija
	B21EC066	VanajaPasunoori	Air Quality Monitoring System Using ESP32	SDG -3, SDG -11	
	B21EC104	NagavellySaiTeja	IoT Based Weather Station	SDG -13	
	B21EC080	SallaVamshi Krishna			
Batch 15	B21EC125	RamgundamV aishnaviBhask ar	IR Underwater Wireless Communication Systems	SDG -9	A. Vijaya
	B21EC120	BommideniYuvaT eja	Alcohol Analyzer Circuit	SDG -3, SDG -11	
	B21EC069	GajulaSriram	Solar Tracking System	SDG -7	
	B21EC087	BhattuBharath	Clap Based Fan Switching System	SDG -7, SDG -9	
Batch 16	B22EC207L	Sangalakeerthishal ini	IoT Temperature Based Automatic Fan Speed	SDG -7	B. Komuraiah
	B21EC116	SuthariSathwik	Automatic Plant Watering System	SDG -2, SDG -6	
	B21EC086	Ailineni Rahul	Current Thief Detector	SDG -7,SDG - 16	
Batch 17	B21EC091	RavulaAditi	Cell Phone Based DTMF Controlled Garage Door Opening System	SDG -11	S. Pradeep Kumar
	B21EC117	KuchibhotlaSaiDee pika	Healthcare Monitoring System Using Arduino	SDG -3	
	B21EC079	LingalaCharanTej	Exploring The	SDG -9, SDG -16	

	B20EC072	Godishala Shiva Karthikeya	Potential Of RF ID Based Secured Automatic Toll Gate Tax Payment And Updating System		
Batch 18	B21EC114	Gandla Anjali	Password Based Circuit Breaker	SDG -7, SDG -16	Dr. B. Dhanalaxmi
	B21EC067	Ruttala Deepak Kumar	Train Accident Prevention System	SDG -11	
	B21EC093	Pala Anirudh	Fire Fighting Robot Using Arduino Uno	SDG -11	
	B20EC106	GaddamHarshitha	Door Lock System Using RFID And Arduino	SDG -11, SDG -16	

6ECE3: Mini Projects with SDGs (2023-24)

Batches	Roll Number	Name of the Student	Title of the project	SDGs addressed	Name of the Guide
Batch1	B21EC193	MuthyalaSarayu	Password based circuit breaker	SDG -7,SDG - 16	Dr. J. Tarun Kumar
	B21EC190	ManasaTeku			
	B21EC178	AletiSwetha	Accident prevention and alert system	SDG -3, SDG -11	
	B21EC187	SukkaPradeep			
Batch2	B21EC142	KurimillaKusumaSree	Design of Microstirp patch antenna for IoT applications	SDG -9	Dr M. Chandrasekhar
	B21EC163	Saifullah Syed			
	B21EC165	KurmachalamSathwik			
Batch3	B21EC152	BandariPriyanka	Automatic Engine locking system for drunk and drivers	SDG -3, SDG -11	Dr. B. Rama Devi
	B21EC173	Mood Naga Raju	Automatic plant irrigation system	SDG -2, SDG -6	
	B21EC146	FarhanaAfreem			
Batch4	B21EC167	NadipellyRajeshwar Rao	License based engine ignition system using	SDG -9, SDG -11	Dr. J. Tarun Kumar
	B21EC194	BhukyaNikitha			
	B21EC175	PottabathiniAmrutha			

			RFID		
Batch5	B22EC209L	GoranthalaSusheel Kumar	Wireless weather station for protection of food grains	SDG -2, SDG -13	Dr.V.Raju
	B21EC141	RayapuriUmamahes hwar	Power generation by piezo electric	SDG -7	
	B21EC191	Annam Pooja	Sunstroke protection for formers	SDG -3, SDG -8	
	B21EC177	NainiBadrinath	Aircraft anti-collision system using Arduino	SDG -9,SDG - 11	
Batch6	B21EC150	MadderlaSaiCharan	Simulation double gate tunnel FET	SDG -9	ChPavan Kumar
	B21EC133	EdavelliKomalatha			
	B21EC164	MadasuShashank			
Batch7	B21EC140	GugulothuShireesha	Performance analysis of low power full adder circuit	SDG -9	A.Pavan
	B21EC158	CherlaLaxmiPramod Kumar	Performance analysis of full adder circuit using Cadence Virtuoso	SDG -9	
	B21EC185	PolepakaVishwa	Simulation of adder circuit using MDCVSL using Cadence Virtuoso	SDG -9	
	B21EC180	KadarlaNagaraju	Design and analysis of FINFET pass transistor based XOR and XNOR circuits at 45nm technology	SDG -9	
Batch8	B21EC131	ThotaSaiSathvika	Simulation of full adder using Cadence Virtuoso	SDG -9	A.Pavan
	B21EC192	ParikiAshwitha	Simulation of lower delay full adder circuit using CMOS	SDG -9	

			technology		
	B21EC170	AavunooriSaiPrathibha	Simulation of hybrid full adder using Cadence Virtuoso	SDG -9	
	B21EC134	Ade Gnaneshwar	Simulation of Single bit hybrid circuit of Full adder using Cadence Vituoso	SDG -9	
Batch9	B21EC153	KatlaIndu	Design of optimized reversible multiplier for high speed DSP Applications	SDG -9	Dr.RSrikanth
	B21EC149	DushettiTarunTeja			
	B21EC143	VaragantiSandeep			
Batch10	B21EC155	EdlaPrasanna	A Smart Fire detection system using IoT Technology with automatic water sprinkler	SDG -11	Dr. S. Umamaheshwar
	B21EC151	JellaShirisha	Driver drowsiness detection using Open CV	SDG -3	
	B21EC161	KududhulaAbhinay	Arduino based IoT System for monitoring Air pollution	SDG -3, SDG -13	
	B21EC184	Mohammad Samreen	Image classification	SDG -9	
Batch11	B21EC136	ArraHanockViswas	New facial recognition smart glasses for visually challenged person	SDG -10	DrK.Sowjanya
	B22EC210L	EmmadiAbhishek			
	B22EC213L	SainiKamalakar	Smart helmet accident alerting and Calls blocking	SDG -3, SDG -11	
	B21EC183	LavudyaThirupathi			
Batch12	B22EC214L	JampalaSupritha	Smart Parking system using Arduino	SDG -11	Dr. D. Venu
	B21EC189	BanothuNiharika			

	B21EC181	MatlaSidhu	Heart rate monitor system using Arduino	SDG -3	
	B21EC139	ErrabelliVarshitha	Face recognition based attendance	SDG -4, SDG -16	
Batch13	B21EC129	Mohammed Parveena	A Kalman based high bread precoding for multiuser millimeter wave MIMO systems	SDG -9	Dr. S. Umamaheshwar
	B21EC135	Komal Joshi	Auto-intensity regulation of streetlights using Arduino	SDG -7, SDG -11	
	B21EC162	TallaRithvikaPriya			
	B21EC171	MurarikarBhavana	Automatic sanitizer dispenser	SDG -3	
Batch14	B21EC159	ChallagurugulaLikhi th Kumar	Obstacle avoiding automatic car using Arduino	SDG -9, SDG -11	Syed Zaheeruddin
	B21EC160	PeralaPrudhvira			
	B21EC138	DameraSowmya	An active contour model using matched filter and Hessian matrix for retenal vessels segmentation	SDG -3	
	B21EC179	AashmeerSaniya	RADAR using Arduino and ultrasonic sensor	SDG -9	
Batch15	B21EC154	ThotaPranathi	Railway track crack detection using Arduino	SDG -9, SDG -11	E Suresh
	B21EC145	Sindhu Sri Gavini			
	B21EC182	UppulaSanjana	Heartbeat sensor using Arduino	SDG -3	
	B21EC176	Tallapelly Ram CharanTej	Electronic water level controller device	SDG -6	

Batch16	B21EC166	Chirra Mani Sai	Arduino based visitor counter system	SDG -11	A. Vijaya
	B22EC211L	Kontham Mahesh			
	B21EC172	KurimillaSaiKruthik	Anti sleep Alarm	SDG -3	
	B21EC144	HemanthRavula			
Batch17	B22EC212L	YelichalaAnush Reddy	Mobile controlled agriculture spray robot using Arduino Uno	SDG -2, SDG -9	J.SheshagiriBabu
	B21EC157	NeelaSahithi	Finger print door unlock system using Arduino Uno	SDG -11, SDG -16	
	B21EC188	ManupatiVarshasri			
	B21EC168	BandlaVarshith			
	B21EC132	Mohammed SafdarSumair	Home automation using ESP8266 and relay module	SDG -9, SDG -11	

6ECE1: Mini Projects with SDGs (2022-23)

S.no.	Roll number	Name of the Student	Title of The Mini Project	SDGs Addressed	Supervisor name
1	B20EC001	S.Srinidhi Reddy	IoT Based Patient Health Monitoring System	SDG - 3	Dr .K.Ashoka Reddy
2	B20EC002	Nousheen Sara	Arduino Radar Model Using Ultrasonic Sensor	SDG -	Dr .K.Ashoka Reddy
3	B20EC003	M. Manasa	Arduino Based Fire Alarm And Motion Detecting System	SDG - 9, SDG - 11	Dr .K.Ashoka Reddy
4	B20EC004	K.Rishika	Laser Based Security System Using Arduino Uno	SDG - 9, SDG - 11	Dr.K.Ashoka Reddy
5	B20EC004	L.Sathwik	Smart Notice Board Using IOT	SDG - 9, SDG - 11	Dr.K.Ashoka Reddy
6	B20EC006	K.Akshitha	Generation Of Electricity Using Road Transport Pressure	SDG - 7, SDG - 9	Sri.P.Chiranjeevi
7	B20EC008	M.Pranay Teja	Raspberry As VPN Server/Travel Router	SDG - 9	Dr.B.Ramadevi
8	B20EC009	Antham Nagireddy	I2c Between Arduino And Raspberry Pi	SDG - 9	Dr.B.Ramadevi
9	B20Ec011	Godisela Sruthi	Heart Rate Monitoring Using Raspberry Pi And	SDG - 3	Dr.B.Ramadevi

			Pulse Sensor		
10	B20EC012	Janagama Akshay	Accidental Fire Alert System Built With Iot	SDG - 9, SDG - 11	Dr.B.Rama Devi
11	B20EC013	Kasam Ravi Chandra	Huffman Coding Using Verilog	SDG - 9	Dr. G. Raghotham Reddy
12	B20EC014	P. Sonali	Automatic Night Light Control By Using Arduino Uno	SDG - 7, SDG - 11	Dr. G. Raghotham Reddy
13	B20ec015	Sk.Yasmin	Automatic Door Opener Using Arduino	SDG - 9, SDG - 11	Dr. G. Raghotham reddy
14	B20EC016	Sukhdev.G	Smart Glasses For Blind	SDG - 3, SDG - 10	Dr.G.RaghothamReddy
15	B20EC017	Ch Ramraj	Traffic Light Control System Using Arduino	SDG - 9, SDG - 11	Dr. G. Raghotham Reddy
16	B20EC018	B.Vijay	Automatic Toll Tax Collection Using RFID	SDG - 9, SDG - 11	G.Raghotham Reddy
17	B20EC019	D.Sai Sathwik	Ir Remote Controlled Room Light Using Arduino	SDG - 7, SDG - 12	Smt.S.P.Girija
18	B20EC020	Donikena Durga Prasad	Automatic Gas Detection And Auto Exhaust Fan	SDG - 3, SDG - 9	Smt.S.P.Girija
19	B20EC021	M.Sridhar	Arduino Based Solar Tracking Device	SDG - 7, SDG - 13	Smt.S.P.Girija
20	B20EC024	Kaashyap Gopala	Arduino Based Heart Rate Monitor	SDG - 3	Smt.S.P.Girija
21	B20EC026	Gade Supriya	IOT Based Accident Alert And Location Sharing	SDG - 3, SDG - 9	Sri. E.Suresh
22	B20EC028	Banothu Sruthi	Automatic Street Light Control By Detecting Vehicle Movement	SDG - 7, SDG - 11	Sri. E.Suresh
23	B20ec029	Karthik Kolipaka	Home Automation	SDG - 7, SDG - 11	Sri. E.Suresh
24	B20ec030	T.Gs Harshini	Security System With Telegram App	SDG - 9, SDG - 11	Sri. E.Suresh
25	B20EC031	Gaddam Akshay	Driver Drowsiness Detection System	SDG - 3, SDG - 9	Smt.A.Vijaya
26	B20EC032	Noorjahan	Aurdino Based Door Unlock Security System Controlled By Voice Commands	SDG - 9, SDG - 11	Smt.A.Vijaya
27	B20EC034	Akinapally Srividya	Remote Control Robot Using	SDG - 9	Smt.A.Vijaya

			Android Mobile Device		
28	B20EC035	E.Sharath Kumar	Iot Based Water Level Control System	SDG - 6, SDG - 12	Smt.A.Vijaya
29	B20EC038	M. Pavani	A Digital Indicator System With 7-Segment Display	SDG - 9	Dr.M.Raju
30	B20EC040	Preetham Reddy	Radar Detector	SDG - 9	Dr.M.Raju
31	B20EC041	M.Laxmi Sahasra	Smart Stick For Blind People	SDG - 3, SDG - 10	Dr.M.Raju
32	B20EC042	Muniganti Joshi	Fingerprint Based Biometric Attendance System Using Arduino	SDG - 9	Dr.M.Raju
33	B20ec043	M. Harsha Vardhan Reddy	Adaptive Cruise Control Using Arduino	SDG - 9, SDG - 11	Dr. V. Venkateshwar Reddy
34	B20EC045	Zoya Afsheen	Door Security System	SDG - 9, SDG - 11	Dr. V. Venkateshwar Reddy
35	B20EC046	K. Nikhitha	Iot Based Smart Rain Detector	SDG - 9, SDG - 13	Dr. V. Venkateshwar Reddy
36	B20ec047	Banoth Shashank Singh	Smart Intruder Alarm System Using Infrared Sensors,Arduino And Gsm Modem	SDG - 9, SDG - 11	Dr.Venkateshwar Reddy
37	B20EC048	Chithari Shivani	Smart Medicine Reminder	SDG - 3	Dr. V. Venkateshwar Reddy
38	B20EC049	G. Nithyasree	Heart Attack Detector Using Pulse Sensor	SDG - 3	Sri.B. Komuraiah
39	b20ec051	Vemulapelly Sathvika	Iot Based Smart Street Light Using Nodemcu Esp8266 And Thingspeak	SDG - 7, SDG - 11	Sri.B. Komuraiah
40	B20EC052	G.Madhuhasitha	Forest Fire Detection	SDG - 13, SDG - 15	Sri.B. Komuraiah
41	B20EC053	Revanth Chandavath	Distance Measure LED	SDG - 9	Sri.P.Chiranjivi
42	B20EC054	Mohammed Tanzil Mohiuddin	Arduino Based Noise Level Monitor & Controller System	SDG - 11	Sri.B.Komuraiah
43	B20EC055	K.Varshith	Radar Systems Using Arduino	SDG - 9	Sri. A Srinivas
44	B20EC058	Sumanth Merugu	Residential Security Alarm Using Ardunio	SDG - 9, SDG - 11	Sri. A Srinivas
45	B20EC060	Mohammed Hassaan Ali Areeb	Ultrasonic Distance Measurement Device	SDG - 9	Sri. A Srinivas
46	B21EC181L	G. Venkata Sai Rahul	Noise To Electricity	SDG - 7, SDG - 12	Smt.B. Neerajakshi

			Conversion And Directing Using Arduino		
47	B21EC182L	K.Abishay	Smart Parking Using Arduino Based Ultrasonic Sensor	SDG - 9, SDG - 11	Smt.B. Neerajakshi
48	B21EC183L	M.Rithusha	Gesture Based Home Appliance Control System For Disabled People	SDG - 3, SDG - 10	Smt.B. Neerajakshi
49	B21EC184L	P.Radha Krishna	Iot Based Home Automation System	SDG - 7, SDG - 11	Sri V.Shobhan Reddy
50	B21EC185L	Ch.Pooja	Home Automation For Disabled Using Voice Tag	SDG - 3, SDG - 10	Sri V.Shobhan Reddy
51	B21EC186L	Uzma Samreen	LPG Gas Detection Using IOT	SDG - 9, SDG - 11	Sri V.Shobhan Reddy

6ECE2: Mini Projects with SDGs (2022-23)

S.No	Roll Number	Name of The Student	Title of The Mini Project	SDGs Addressed	Supervisor
1.	B20EC061	VaishnaviSripadi	Efficient IoT based weather station	SDG - 9, SDG - 13	Dr.K.Ramudu
2.	B20EC062	Vookanti Chandralekha	Digital Thermometer using Arduino UNO	SDG - 3, SDG - 9	
3.	B20EC063	K.Shivani	IOT based RC Car controlled by mobile application	SDG - 9	
4.	B20EC064	K.Aswini	Water quantity reading system using arduino	SDG - 6, SDG - 12	
5.	B20EC065	HarthejVeehanki	Forecasting the consumer behaviour using Random Forest Algorithm in Machine Learning	SDG - 9, SDG - 12	

6.	B20EC066	KalakolaNikitha	Arduino based system for soil moisture measurement	SDG - 2, SDG - 12	
7.	B20EC067	K.SaiSharan	Data Transfer System using LIFI	SDG - 9	Mr. Syed Zaheeruddin
8.	B20EC068	K.Akshaya	Single Image Dehazing Based on Adaptive Histogram Equalization and gamma Linearization	SDG - 9	
9.	B20EC069	BommineniSai Vardhan Reddy	Pest detection using image segmentation	SDG - 2, SDG - 15	
10.	B20EC070	RayarakulaSai Nikhitha	Image segmentation using Automatic Fuzzy Clustering Framework	SDG - 9	
11.	B20EC071	Vennela	Selective level set segmentation using fuzzy region competition	SDG - 9	
12.	B20EC073	G.Nikitha	Third eye for blind using ultrasonic sensor	SDG - 3, SDG - 10	Smt. B.Neerajakshi
13.	B20EC075	T.Abhinav	Cell phone usage detection	SDG - 9, SDG - 11	
14.	B20EC076	M.Deepak Shodhan	Flood detection using Arduino	SDG - 13, SDG - 15	Dr.Ch.Sridevi
15.	B20EC077	V.Thrishul	Wireless Notice Board	SDG - 9, SDG - 11	
16.	B20EC078	Donapati Ravinder Reddy	Bus Tracking System	SDG - 9, SDG - 11	

17.	B20EC079	G.Harish	Design and simulation of CRC encoder and decoder using VHDL	SDG - 9	Sri. P.Chiranjeevi
18.	B20EC080	N.SreejaReddy	Design and optimization of a spiral inductor	SDG - 9	
19.	B20EC081	M.Rashmitha	Coffee vending machine using verilog HDL	SDG - 9, SDG - 12	
20.	B20EC082	Cherukupelly Srivathsav	Booth multiplier for vlsi applications	SDG - 9	
21.	B20EC083	B.PrabhuKiran	Design and Implementation of Smart Traffic Light Control system using VHDL	SDG - 9, SDG - 11	
22.	B20EC084	ThallaSathwika Reddy	Implementation of Hamming Code based on VHDL	SDG - 9	
23.	B20EC085	BajjuriApoorva	IOT based air monitoring system using Arduino	SDG - 3, SDG - 11	Dr. V.Raju
24.	B20EC086	G.Mitravarun	Real time gps tracker with nodemcu	SDG - 9, SDG - 11	
25.	B20EC087	Ch.Shreeja	Automatic pet feeder using iot	SDG - 12	
26.	B20EC088	G.Spoorthi Shivani	Automatic street light control by detecting vehicle movement	SDG - 7, SDG - 11	
27.	B20EC089	KanchaSatwika	Automatic water level controller	SDG - 6, SDG - 12	

28.	B20EC090	VinithaAdepu	ESP32 Cam laser based security system	SDG - 9, SDG - 11	
29.	B20EC091	KoppulaKoushik Kumar	Heart disease prediction using machine learning	SDG - 3	Dr. D. Venu
30.	B20EC092	Sai Krishna Korra	Pulse oximeter	SDG - 3	
31.	B20EC093	S.Tarun Kumar	Car parking system using arduino	SDG - 9, SDG - 11	
32.	B20EC094	SuramSaiDilip	Anti-sleep Monitoring Device	SDG - 3, SDG - 9	
33.	B20EC095	V.Madhurima	Image editor using matlab	SDG - 9	
34.	B20EC096	Sandi Aishwarya	Automatic Plant Monitoring System	SDG - 2, SDG - 15	Dr.R.Srikanth
35.	B20EC097	Mena Venkata Ramana	Touch screen weather monitoring system using Arduino	SDG - 9, SDG - 13	
36.	B20EC098	N.Purnachandara	Automatic Hand sanitizer Dispenser using Arduino	SDG - 3, SDG - 12	
37.	B20EC099	G.Sathish	Temperature Based Fan Speed Control	SDG - 7, SDG - 12	
38.	B20EC100	M.NomikaSree	Arduino Based Object Identification using Ultra Sonic sensor	SDG - 9	
39.	B20EC101	Arabati Rani	Smart stick for blind	SDG - 3, SDG - 10	Dr.MChandrash ekhar

40.	B20EC102	Vineethkumar	Whatsapp chat sentiment analyzer	SDG - 9	
41.	B20EC103	PujariArjun	Assisting blind people by obstacle detection using arduino	SDG - 3, SDG - 10	
42.	B20EC104	SridasyamAkshila	Visitor counter to ensure social distancing in public gatherings	SDG - 3, SDG - 11	
43.	B20EC105	M.SuryaPrakash	Frequency Counter using Arduino	SDG - 9	Sri. S. Pradeep Kumar
44.	B20EC107	VaishnaviKoduri	Arduino based Alcohol Detection System in vehicle	SDG - 3, SDG - 9	
45.	B20EC108	PittalaVinay	Low cost ultrasonic smart glasses for blind people	SDG - 3, SDG - 10	
46.	B20EC109	L.Shirisha	Arduino base ultrasonic map maker	SDG - 9	
47.	B20EC110	Konne Rahul	Door lock system using RFID	SDG - 9, SDG - 11	
48.	B20EC111	GadeDeekshitha	Removal of Blink from EEG by Empirical Mode Decomposition(EMD)	SDG - 3	Sri. J. SheshagiriBabu
49.	B20EC112	B.Sahithi	The Removal of Blink and Saccade Artifact in EEG recordings by Independent Component Analysis	SDG - 3	

50.	B20EC113	N.Anjani Reddy	Removal of ocular artifacts from electroencephalogram using Adaptive filter	SDG - 3	
51.	B20EC114	Ch.Lekhanaprasad	Recovering EEG brain signals:Artifact suppression with wavelet enhanced independent component analysis	SDG - 3	
52.	B20EC115	Kandula Sri Varshitha	An improved algorithm for efficient ocular artifact suppression from frontal EEG electrodes using VMD	SDG - 3	
53.	B20EC116	K.Nagaraju	Touch sensor based DC motor controller	SDG - 7, SDG - 9	
54.	B20EC117	Ibrahim Imtiyaz Hussain	IOT based patient health monitoring project	SDG - 3	Sri. A. Pavan
55.	B20EC118	Vamshi Mohan Reddy	Car Whipping System	SDG - 9, SDG - 11	
56.	B20EC119	Md.Anasmuzamil	IOT based smart water bottle	SDG - 6, SDG - 12	
57.	B20EC120	MohdSayed Farhaan	Iot based sound pollution monitoring system	SDG - 11	
58.	B21EC187L	SanjanaPerna	Fire Fighting Robot operated by Arduino UNO for enclosed spaces	SDG - 9, SDG - 11	Dr.Ch.Sridevi

59.	B21EC188L	R.Yashaswi	Smart door lock using RFID and digital-keypad with Arduino	SDG - 9, SDG - 11	
60.	B21EC189L	Ruchitha Rachamalla	Hand gesture detection using Arduino and python for screen control	SDG - 9	
61.	B21EC190L	Enupanoori Vijay Kumar	IOT based Home Automation System	SDG - 7, SDG - 11	
62.	B21EC191L	Ch.Ashok	Analysis on arduino based single axis solar tracker	SDG - 7, SDG - 13	Smt. B.Neerajakshi
63.	B21EC192L	JannuSuchith	Smart electronic cane for visually impaired people	SDG - 3, SDG - 10	

6ECE3: Mini Projects with SDGs (2022-23)

S.No.	Roll Number	Title of The Mini Project	SDGs Addressed
1	B20EC121	IOT based Soil Moisture Monitoring System using ESP32	SDG - 2, SDG - 12
2	B20EC122	IOT based Smart Parking System	SDG - 9, SDG - 11
3	B20EC123	DENSITY BASED TRAFFIC CONTROL SYSTEM USING ARDUINO	SDG - 9, SDG - 11
4	B20EC124	Gas detection system with level and alert	SDG - 3, SDG - 9
5	B20EC126	Digital Thermometer	SDG - 3, SDG - 9
6	B20EC127	Driver Sleep Detection and Alarming System	SDG - 3, SDG - 9
7	B20EC128	VEHICLE SPEED CONTROL AND ACCIDENT AVOIDANCE SYSTEM BASED ON CAN	SDG - 3, SDG - 9, SDG - 11
8	B20EC129	Aurdino based pollution monitoring system	SDG - 11, SDG - 13
9	B20EC130	Automatic engine locking system through alcohol	SDG - 3, SDG - 9
10	B20EC131	Arduino based voice controlled robot vechile	SDG - 9

11	B20EC132	Smart Door Locking System	SDG - 9, SDG - 11
12	B20EC133	Plant Disease Prediction using deep learning and ESP32 camera module	SDG - 2, SDG - 9
13	B20EC134	Tachometer Using Hall-effect Sensor	SDG - 9
14	B20EC135	7-Segment display interfacing using Arduino UNO	SDG - 9
15	B20EC136	radar system using arduino and ultrasonic sensor	SDG - 9
16	B20EC137	IOT based electricity energy meter	SDG - 7, SDG - 12
17	B20EC138	Theft detection system	SDG - 9, SDG - 11
18	B20EC139	ANTI CORONA TOUCHLESS DOORBELL USING IR SENSOR	SDG - 3, SDG - 11
19	B20EC140	Temperature and Humidity monitoring and alert system using NODEMCU	SDG - 9, SDG - 13
20	B20EC141	Heartbeat Sensor using Arduino	SDG - 3
21	B20EC142	Automatic attendance system using face recognition	SDG - 9
22	B20EC143	Automatic Railway Gate control System Using Aurdino Controller	SDG - 9, SDG - 11
23	B20EC144	IOT based Weather Monitoring System using Aurdino	SDG - 9, SDG - 13
24	B20EC145	AUTOMATIC DATA LOGGING SYSTEM FOR INDUSTRIES USING SENSORS	SDG - 9, SDG - 12
25	B20EC146	Led Clock Matrix using Esp32	SDG - 9
26	B20EC147	power generation using see saw	SDG - 7, SDG - 12
27	B20EC148	ABSENT	-
28	B20EC149	Aurdino based hand gesture recognotion	SDG - 9
29	B20EC150	Fire alerting system using esp32	SDG - 9, SDG - 11
30	B20EC151	Design And Implementation Of Portable Smart Wireless Pedestrian Crossing Control System	SDG - 9, SDG - 11
31	B20EC152	Iot Based Coal Mine Safety Monitoring And Alerting System	SDG - 9, SDG - 11
32	B20EC153	Measuring Turbidity Of Water To Determine Water Quality	SDG - 6, SDG - 14 (Life Below Water)
33	B20EC154	Absent	-
34	B20EC155	Arduino Based Motion Detection And Distance Measurement Using Ultrasonic	SDG - 9, SDG - 11

		Sensor	
35	B20EC156	Multiple Laser Alarm System Using Arduino	SDG - 9, SDG - 11
36	B20EC157	Temperature Sensor Using Arduino	SDG - 9
37	B20EC158	Arduino Gps And Gsm Based Location Tracking System	SDG - 9, SDG - 11
38	B20EC159	Password Enabled Door Locking System Using Arduino And Iot	SDG - 9, SDG - 11
39	B20EC160	Water Level Alram Using Arduino	SDG - 6, SDG - 11
40	B20EC161	Wireless Doorbell Using Rf Module	SDG - 9, SDG - 11
41	B20EC162	Iot-Mobile Enabled Smart Water Level Control To Regulate Water Wastage	SDG - 6, SDG - 12
42	B20EC163	Detained	-
43	B20EC164	Iot Gas Detector (Esp8266) And Alerting System Using Blynk Software	SDG - 3, SDG - 11
44	B20EC165	Power Consumption Control Using Automation	SDG - 7, SDG - 12
45	B20EC166	Wearable Biosensors For Healthcare Monitoring	SDG - 3
46	B20EC167	Spirometer Using Arduino Uno	SDG - 3
47	B20EC168	Smart Clothes For Security Forces Temperature Control	SDG - 3, SDG - 9
48	B20EC169	Arduino Visitor Counter With Automatic Light Controller	SDG - 7, SDG - 11
49	B20EC170	Aurdino Based Vehicular Speed Control System	SDG - 9, SDG - 11
50	B20EC171	Remote Controlled Corona Protection Bell	SDG - 3, SDG - 11
51	B20EC173	"Smart Stick For Blind People	SDG - 3, SDG - 10
52	B20EC174	Real Time Ecg Measurement System	SDG - 3
53	B20EC175	Object Detection Using Esp32 Cam	SDG - 9
54	B20EC176	Food Spoilage Detection Using Arduino	SDG - 2, SDG - 12
55	B20EC178	Electronic Water Level Controller Device	SDG - 6, SDG - 12
56	B20EC179	Bluetooth Notice Board	SDG - 9, SDG - 11
57	B20EC180	Automatic Railway Gate Controller	SDG - 9, SDG - 11
58	B21EC193L	Analysis On Arduino Based Single Axis Solar Tracking System	SDG - 7, SDG - 13
59	B21EC194L	Facial Emotion Recognition	SDG - 3, SDG - 9

60	B21EC195L	Automatic Street Light Control By Detecting Vehicle Movement	SDG - 7, SDG - 11
61	B21EC196L	Smart Electronic Cane For Visually Impaired People	SDG - 3, SDG - 10
62	B21EC197L	Smart Automated Home Application Using Iot With Blynk App	SDG - 7, SDG - 11
63	B21EC198L	Iot Based Home Automation Using Android Application	SDG - 7, SDG - 11