

VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY ,ERODE-12.(Autonomous)

An Autonomous Institution Affiliated to Anna University

DEPARTMENT OF BIOMEDICAL ENGINEERING

Course Code & Name

: 18BML81 PROJECT WORK

Academic Year

: 2021 -2022

Batch

: 2018 -22

Class

: 18BM8A & B

Name and Designation of the Review Committee

: Dr.P. Ravikumar, Professor,

Member(s)

: Dr. S.K. Manikandan, Professor,

: Dr.N. Jeyashanthi, Professor

Name and Designation of the Project Coordinator(s)

Dr.J.Rajalakshmi ,AP/BME, Ms.S.Sudha, AP/BME

REVIEW 1- ASSESSMENT

S.No	BATCH No	REG No	NAME OF THE STUDENTS	NAME OF THE SUPERVISOR	PROJECT TITLE
1	1	18BMR004	ABHIJITH JOY	Mrs. S. Yamuna Devi, Asst. Prof. (Sr.Gr.)	Design and implementation of Integrated e- vaccination chip on COVID- 19
2		18BMR007	ALEN BABU		
3		18BMR026	EBIN SABU		
4	2	18BMR020	DEEPAK B	Dr.S.K.Manikandan, Professor	Knee implant monitoring
5		18BMR031	GAWASKAR A		
6		18BMR042	JAYANTH R		
7	3	18BMR021	DEEPIKA K	Dr.N.Jeyashanthi, Professor	Automatic diagnosis system for detecting melanoma using Histopathological images
8		18BMR023	DHARSHINI S		
9		18BMR033	GAYATHRI M		
10		18BMR046	KARTHIKA S		
11	4	18BMR005	ABIN SANTHOSH	Mrs.S. Maheswari, Asst. Prof. (Sr.Gr.)	Smart Ear AID System for Deaf and Blind People in Public Area
12		18BMR018	BEJOIN AJI MATHEW		
13		18BMR008	AMAL K BABU		
14	5	18BMR028	ESWAR T	Dr. P. Ravikumar,	Gait Analysis System Using Labview
15		18BMR054	KEERTHANA R		
16		18BMR013	ARUN T		
17		18BMR032	GAYATHRI G		
18		18BMR015	ASWATH C		

19	6	18BMR009	ANJANA T	Mr. N.N. Baalakumar,	Diabetic Retinopathy Screening using skin focus model
20		18BMR017	BABYSHALINI J		
21		18BMR044	KAMALI AISHWARYA M		
22	7	18BMR039	HEMALATHA M	Mrs. S. Sudha,	Monitoring and Alert System for Patient IV-Bag fluid and parameters using IOT
23		18BMR019	BREEZY S		
24		18BMR038	HARINI S		
25		18BMR011	ANUVARSHINI P		
26	8	18BMR014	ASKILLA P	Mr. R. Saravanakumar,	Detection of Leukemia from Bone Marrow microscopic images using CNN
27		18BMR053	KAVYA K K		
28		18BMR036	GOKULNATH S		
29		18BMR101	SHREE SHAMBHAVI S		
30	9	18BMR003	AASHIYA SULTHANA M	Mr.K. Rajaram,	Classification of Endoscopy images using Artificial Intelligence
31		18BMR043	KAAYIYA A		
32		18BMR051	KAVIYA B		
33		18BMR027	ELAKIYA K		
34	10	18BMR012	ARAVINTH K	Mrs. M. Sharmila,	Malaria Detection using Machine Learning
35		18BMR029	GANESAN V		
36		18BMR047	KARTHIKEYAN S		
37	11	18BMR024	DHIVYABHARATHI S	Mrs. C. Radhika,	Implementation of biometric authentication system using REDTACTON technology
38		18BMR041	JASMIN N		
39		18BMR025	DIVIN KUMAR S		
40	12	18BMR006	ABINAYA R	Mrs. D. Sasipreetha,	Visual Cryptography for Biometric Privacy
41		18BMR049	KAVIPRIYA M N		
42		18BMR052	KAVIYA R		
43		18BMR010	ANU M		
44	13	18BMR016	BABITHA M	Mr. S. Govindaraj,	COVID -19 Detection and classification using deep residual Neural Networks
45		18BMR045	KARTHIKA K		
46		18BMR002	AARTHI S (23/07/2001)		
47		18BMR050	KAVITHA S		
48	14	18BMR040	JAMUNA P	Dr. J.Rajalakshmi	Brain Tumor diagnosis Using Novel Image Processing Approach
49		18BMR030	GANGA DEVI M		
50		18BMR001	AARTHY S (21/10/2000)		

51		18BMR048	KAVIBALAN K		
52	15	18BMR073	NITHESH KUMAR S	Mr. V. Loganathan,	ELN for in Silico Vaccine Construction of SARS -CoV2 and determination of charge variant levels of antibodies using CIEF Method
53		18BMR035	GOKULA KRISHNAN N		
54	16	18BMR055	KEERTHANA V	Mr. N.N. Baalakumar Asst. Prof. (Sl.Gr.)	COPD and Pneumonia Identification and Classification of Chest X-Ray and Spirogram Using Deep Learning
55		18BMR057	LAVANYA P		
56		18BMR083	PREETHE P		
57		18BMA001	DHIVYA G		
58	17	18BMR059	MADHAV R	Dr.J.Rajalakshmi Asst.Prof.	911 Services and Vital Sign Measurement using Mobile Phone Sensors and Application
59		18BMR087	RAHUL RAJEEV		
60		18BMR088	RAMGANESHWARAN M		
61		18BMR095	SANTHOSH KUMAR K		
62	18	18BMR068	MUKILAN R	Mrs. M. Ponkarthika Asst.Prof.	Smart Multiple Attendance System through Single Image
63		18BMR063	MANIBHARATHI M		
64		18BMR099	SHANMUGAVEL S		
65		18BMR109	THAYANANTHAN S		
66	19	18BMR067	MONIKA B	Mr.K. Rajaram Asst. Prof. (Sl.Gr.)	Non-InvasiveGlucose Estimation Based on Infrared Using Finger Plethysmograph
67		18BMR079	POOMANI SOUNDHARYA S		
68		18BMR080	POONGOTHAI S		
69		18BMR062	MALAVIKA R		
70	20	18BMR074	NITHISH S	Dr.N.Jeyashanthi, Professor	Portable Ventilator using Arduino Microcontroller
71		18BMR090	ROHITH KANNA S		
72		18BMR081	PRADEEP S		
73		18BMR106	SURENDHAR C		
74	21	18BMR056	KIRUTHIKA C	Mrs.S. Maheswari, Asst. Prof. (Sr.Gr.)	Detection of Ovarian Cancer Based on Segmentation Using MATLAB
75		18BMR102	SINDHU R		
76		18BMR108	S.THAVAMANI		
77		18BMR110	VISHVAUDHAYA M		
78	22	18BMR104	SUBHADHARANI S	Mrs. C. Radhika, Asst. Prof. (Sr.Gr.)	Design and Implementation of Handwriting Guide for Visually Impaired
79		18BMR112	YASWANTHI K T		
80		18BMR111	YALINI A		

81		18BMR064	MENAGADEVI V		
82	23	18BMR097	SATHISH KUMAR R	Mr. S. Govindaraj, Asst. Prof. (Sr.Gr.)	Screening and Classification of Lung Diseases Using Modified CNN
83		18BMR060	MAHIMA ABRAHAM P J		
84		18BMR022	DHARANI B		
85	24	18BMR094	SANGEETHA S	Mrs. S. Yamuna Devi, Asst. Prof. (Sr.Gr.)	Backup and restoration of database using veritas
86		18BMR098	SHANMUGAPRIYA M		
87		18BMR077	PAVITHRA R		
88		18BMR100	SHIMRIN SULTHANA J		
89	25	18BMR037	GOWTHAM PRASATH E	Mrs. M. Sharmila, Asst. Prof	Automation Testing
90		18BMR058	LINGESHWARAN T		
91		18BMR091	ROHITH P		
92	26	18BMR107	TAMIL SELVI R	Mrs. S. Sudha, Asst. Prof	Detection of Cardiovascular Disease Using MATLAB
93		18BMR078	PEACHI PRIYA G		
94		18BMR086	PRIYANKA K		
95	27	18BMR061	MALAVIKA C	Ms. R. Indhumathi, Asst. Prof	Diagnosis and Detection of Skin Cancer Using Deep Learning
96		18BMR066	MOHANAPRIYA K		
97		18BMR084	PREETHI S (06/07/2000)		
98	28	18BMR065	MOHANAKRISHNAN D	Dr. P. Ravikumar, Professor	Portable Phototherapy Unit
99		18BMR096	SARVESH KUMARAN M		
100		18BMR071	NAVEEN P		
101		18BMR105	SUJITHRA M V		
102	29	18BMR072	NIJANA A	Mr. V. Loganathan, Asst. Prof	Medical Assist Robot for Isolated Ward Patients in Hospital
103		18BMR092	RUSHIKAA S		
104		18BMR103	STEPHY BESILY R		
105		18BMR070	NAVEEN L		
106	30	18BMR082	PRAVEENA R	Dr.S.K.Manikandan, Professor	Develop an Algorithm to Detect Mucormycosis (Black Fungus) Disease Using CNN
107		18BMR085	PREETHI S (05/10/2000)		
108		18BMR089	REKHA J		
109		18BMR093	SANDHIYA S		

VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY, ERODE – 12**(Autonomous)****MINIPROJECT DETAILS****DEPARTMENT OF BIOMEDICAL ENGINEERING****BATCH : 2019-2023****CLASS : 19BM6A & 6B**

S.No.	Programme name	Program Code	Roll No.	Students Name	Title	Place of Work
1	BE-Biomedical Engineering	BM	19BMR001	ABINAYA K	Assessment of the Planter Neuropathy	VCET
2	BE-Biomedical Engineering	BM	19BMR002	ABINESH K	Password based Circuit Breaker	VCET
3	BE-Biomedical Engineering	BM	19BMR003	ABISHEK K B	Intravenous Drip Monitoring System	VCET
4	BE-Biomedical Engineering	BM	19BMR004	AGALYA S	Hand Talk-Assistive Technology for the Dumb	VCET
5	BE-Biomedical Engineering	BM	19BMR005	AJITH KUMAR V	Intravenous Drip Monitoring System	VCET
6	BE-Biomedical Engineering	BM	19BMR006	ANNAPOORANI K	Assessment of the Planter Neuropathy	VCET
7	BE-Biomedical Engineering	BM	19BMR007	ARSHA V	Antisleep Alarm	VCET
8	BE-Biomedical Engineering	BM	19BMR008	BALA SUBRAMANIAN G	Intravenous Drip Monitoring System	VCET
9	BE-Biomedical Engineering	BM	19BMR009	BOOMIKA C	Non-Invasive Detection of ABO Blood Groups	VCET
10	BE-Biomedical Engineering	BM	19BMR010	CATHERINE BIJU	Non-Invasive Detection of ABO Blood Groups	VCET
11	BE-Biomedical Engineering	BM	19BMR011	CHANDRALEKHA A	Hand Talk-Assistive Technology for the Dumb	VCET
12	BE-Biomedical Engineering	BM	19BMR012	DEEPIKA S	Non-Invasive Detection of ABO Blood Groups	VCET
13	BE-Biomedical Engineering	BM	19BMR013	DHARANIYA T	Antisleep Alarm	VCET
14	BE-	BM	19BMR014	DHARSHAN M	Password Based	VCET

	Biomedical Engineering				Circuit Breaker	
15	BE-Biomedical Engineering	BM	19BMR015	DILIP D	Password Based Circuit Breaker	VCET
16	BE-Biomedical Engineering	BM	19BMR016	DISHA MAHZOOZA J	Hand Talk-Assistive Technology for the Dumb	VCET
17	BE-Biomedical Engineering	BM	19BMR017	DIVYA K	Optical Character Recognition based Speech Synthesis System	VCET
18	BE-Biomedical Engineering	BM	19BMR018	DIVYA M	Hand Talk-Assistive Technology for the Dumb	VCET
19	BE-Biomedical Engineering	BM	19BMR019	DURGESWARI B	Antisleep Alarm	VCET
20	BE-Biomedical Engineering	BM	19BMR020	FARSANA BEEGAM S	Optical Character Recognition based Speech Synthesis System	VCET
21	BE-Biomedical Engineering	BM	19BMR021	GAYATHRI S	Optical Character Recognition based Speech Synthesis System	VCET
22	BE-Biomedical Engineering	BM	19BMR022	GEETHA M	Assessment of the Planter Neuropathy	VCET
23	BE-Biomedical Engineering	BM	19BMR023	GOWTHAM P	Respiratory Monitoring using Thermister	VCET
24	BE-Biomedical Engineering	BM	19BMR024	GOWTHAM P	Respiratory Monitoring using Thermister	VCET
25	BE-Biomedical Engineering	BM	19BMR025	HEMAMALINI P	Automatic Hand Sanitizer using Arduino	VCET
26	BE-Biomedical Engineering	BM	19BMR026	JANANI G K	Automatic Hand Sanitizer using Arduino	VCET
27	BE-Biomedical Engineering	BM	19BMR027	JAYA VIVEKA B	ECG Display using Pulse Sensor with OLED& Arduino	VCET
28	BE-Biomedical Engineering	BM	19BMR028	JENIFER SWATHI R	ECG Display Using Pulse Sensor With Oled& Arduino	VCET
29	BE-Biomedical	BM	19BMR029	KAMALA KANNA G R	Photo resistor based Smart Pill Dispenser	VCET

	Engineering				using IOT	
30	BE-Biomedical Engineering	BM	19BMR030	KAMALI A	Voice Controlled Wheel Chair	VCET
31	BE-Biomedical Engineering	BM	19BMR032	KANNATHASAN S	Respiratory Monitoring using Thermister	VCET
32	BE-Biomedical Engineering	BM	19BMR033	KAVIN RAJ S A	Photo resistor based Smart Pill Dispenser using IOT	VCET
33	BE-Biomedical Engineering	BM	19BMR034	LEELA P	Automatic Hand Sanitizer using Arduino	VCET
34	BE-Biomedical Engineering	BM	19BMR035	LEKHA C	Ecg Display using Pulse Sensor with OLED & Arduino	VCET
35	BE-Biomedical Engineering	BM	19BMR036	MADHIVADHANI C	Voice Controlled Wheel Chair	VCET
36	BE-Biomedical Engineering	BM	19BMR037	MADHUBALA E	Sound Electro ECG	VCET
37	BE-Biomedical Engineering	BM	19BMR038	MADHUMITHA S	Voice Controlled Wheel Chair	VCET
38	BE-Biomedical Engineering	BM	19BMR039	MADHUMITHA Y	Sound Electro ECG	VCET
39	BE-Biomedical Engineering	BM	19BMR040	MAHESH KUMAR M	Covid Tracker using Node MCU	VCET
40	BE-Biomedical Engineering	BM	19BMR041	MANIMEGALA E	Sound Electro ECG	VCET
41	BE-Biomedical Engineering	BM	19BMR042	MOHAMED FASEEM R	Covid Tracker using Node MCU	VCET
42	BE-Biomedical Engineering	BM	19BMR043	MOHAMMED AZARUDEEN A	Photo resistor Based Smart Pill Dispenser using IOT	VCET
43	BE-Biomedical Engineering	BM	19BMR045	MUMRITHA C	Health monitoring system using atmega 328p.	VCET
44	BE-Biomedical Engineering	BM	19BMR046	MUTHU YOGESH B	Investigation of pulmonary disease using machine learning.	VCET
45	BE-Biomedical	BM	19BMR047	NAZEEHA M S	The Syringe pump based on Arduino.	VCET

	Engineering					
46	BE-Biomedical Engineering	BM	19BMR048	NESEKA S	Designing a multifunctional infant incubator for rural area.	VCET
47	BE-Biomedical Engineering	BM	19BMR049	NESHAA THEVI A M	The Syringe pump based on Arduino.	VCET
48	BE-Biomedical Engineering	BM	19BMR050	NISHA S	Electromyography using myoware muscle sensor.	VCET
49	BE-Biomedical Engineering	BM	19BMR051	NIVASH T R	3D modelling for pre-surgical planning and training.	VCET
50	BE-Biomedical Engineering	BM	19BMR052	NIVEDHA T	Health monitoring system using at mega 328p.	VCET
51	BE-Biomedical Engineering	BM	19BMR053	PAVITHRAA G	The Syringe pump based on Arduino.	VCET
52	BE-Biomedical Engineering	BM	19BMR054	PAVITHRASHREE K	Health monitoring system using at mega 328p.	VCET
53	BE-Biomedical Engineering	BM	19BMR055	PRADHOSHINI N	Designing a multifunctional infant incubator for rural area.	VCET
54	BE-Biomedical Engineering	BM	19BMR056	PRASITHA L	Wireless Telemedicine System for Patients Health Monitoring and Diagnosis.	VCET
55	BE-Biomedical Engineering	BM	19BMR057	PRIYA V	Designing a multifunctional infant incubator for rural area.	VCET
56	BE-Biomedical Engineering	BM	19BMR058	RAMANI V	Electromyography using myoware muscle sensor.	VCET
57	BE-Biomedical Engineering	BM	19BMR059	RAMYA SRI K	Economic Friendly Monitoring System Using ESP32 Camera.	VCET
58	BE-Biomedical Engineering	BM	19BMR060	RANJITH KUMAR P	Investigation of pulmonary disease using machine learning.	VCET
59	BE-Biomedical Engineering	BM	19BMR061	RISWANTH S	3D modelling for pre-surgical planning and training.	VCET
60	BE-	BM	19BMR062	ROSHINI K	Economic Friendly	VCET

	Biomedical Engineering				Monitoring System Using ESP32 Camera.	
61	BE-Biomedical Engineering	BM	19BMR063	SANGAVI S	Economic Friendly Monitoring System Using ESP32 Camera.	VCET
62	BE-Biomedical Engineering	BM	19BMR064	SANGEETHA T	Wireless Telemedicine System for Patients Health Monitoring and Diagnosis.	VCET
63	BE-Biomedical Engineering	BM	19BMR066	SATHIYAMOORTHY R	Kidney stone detection using MATLAB.	VCET
64	BE-Biomedical Engineering	BM	19BMR068	SINDHU R	Biometric based door lock system using fingerprint.	VCET
65	BE-Biomedical Engineering	BM	19BMR069	SNEGA(17/03/2002) R	Biometric based door lock system using fingerprint.	VCET
66	BE-Biomedical Engineering	BM	19BMR070	SNEHA R	Foot pressure monitor for patients.	VCET
67	BE-Biomedical Engineering	BM	19BMR071	SOBIA M	Muscular bio stimulator.	VCET
68	BE-Biomedical Engineering	BM	19BMR072	SOUMIYA K	Cuff less blood pressure monitoring.	VCET
69	BE-Biomedical Engineering	BM	19BMR073	SOWMIYA K	Muscular bio stimulator.	VCET
70	BE-Biomedical Engineering	BM	19BMR074	SRIABIRAMI S	Cuff less blood pressure monitoring.	VCET
71	BE-Biomedical Engineering	BM	19BMR075	SUBA SHREE P	Temperature and mask scan entry using arduino.	VCET
72	BE-Biomedical Engineering	BM	19BMR076	SUPRIYA A	Foot pressure monitor for patients.	VCET
73	BE-Biomedical Engineering	BM	19BMR077	SUSHMA N S	Biometric based door lock system using fingerprint.	VCET
74	BE-Biomedical Engineering	BM	19BMR078	SUVETHA S	ECG graph monitoring with AD8232 ECG sensor and arduino.	VCET
75	BE-Biomedical Engineering	BM	19BMR079	TAMILSELVAN M	Kidney stone detection using MATLAB.	VCET
76	BE-	BM	19BMR080	TARUNYASREE B	Temperature and mask	VCET

	Biomedical Engineering				scan entry using arduino.	
77	BE-Biomedical Engineering	BM	19BMR081	THARANI N	ECG graph monitoring with AD8232 ECG sensor and arduino.	VCET
78	BE-Biomedical Engineering	BM	19BMR082	THARSHINI SRI A S	ECG graph monitoring with AD8232 ECG sensor and arduino.	VCET
79	BE-Biomedical Engineering	BM	19BMR083	THIRUVENGADAM E P	Kidney stone detection using MATLAB.	VCET
80	BE-Biomedical Engineering	BM	19BMR084	VIDHYA M	Cuff less blood pressure monitoring.	VCET
81	BE-Biomedical Engineering	BM	19BMR085	VISHNU M K	ESP8266 Based patient health monitoring system.	VCET
82	BE-Biomedical Engineering	BM	19BMR086	YAMUNA R	Muscular bio stimulator.	VCET
83	BE-Biomedical Engineering	BM	19BMR087	YESWANTH B	ESP8266 Based patient health monitoring system.	VCET