



## GAYATRI VIDYA PARISHAD COLLEGE OF ENGINEERING FOR WOMEN

(Approved by AICTE, New Delhi, Affiliated to Andhra University, Visakhapatnam)  
 (Accredited by National Board of Accreditation [NBA] for B.Tech CSE, ECE and IT - valid from 2019-22 and 2022-25)  
 (Accredited by National Assessment and Accreditation Council [NAAC] with A Grade - valid from 2022-2027)  
 Phone: +91-691-2739144, 2739124, 2719125, 2719127 Email Id: gvpcsw@gmail.com, info@gvpcsw.ac.in

**EAPCET**  
Counselling  
Code  
**GVPW**

Department of Computer Science and Engineering (AI & ML)

2021-25 Batch Main Project Teams

*ABSTRACT REVIEWED*

S.No	Roll No.	Batch No.	Name of the Student	Project Title	Name of the Guide	Signature of the Student
1	21JG1A4214	B1	GORTHI SRI SIVANANDINI	Neurological Disorders Detector & classification using Deep learning Techniques with EEG signals	Dr. Dwiti Krishna Bebartha	<i>Geesa Nandini</i>
2	21JG1A4240		NAREMSETTI SHARMILA			
3	21JG1A4203		BANDARU SHWETA EVANGELINE			
4	21JG1A4228	B2	MALLIPEDI PRASANTHI	Respiratory Disorders Classification using Lung Acoustical Sounds	Dr. M R K Krishna Rao	<i>H. Prasanthi</i>
5	21JG1A4230		MANYPAPURI TEJASWINI			
6	21JG1A4241		NIDAMANURI SIRISHA			
7	21JG1A4227	B3	MALLA ESHA THANIVA	Sustainable Energy solutions: Predicting Residential electricity consumption using Deep learning Techniques	Dr. K. Purushotam Naidu	<i>M. Esha Thanija</i>
8	21JG1A4257		TOOPATI DURGA PRASANNA			
9	21JG1A4244		PODUGUMATI SUSMITHA			
10	20JG1A4233	B4	N JAYAVARDHINI	An AI-Driven hybrid system for disease prediction and personalized drug recommendation	Mrs. D. Balasantoshimata	<i>T. Durga prasanna</i>
11	21JG1A4217		GUINIMANIKALA SURYA JAYA SRI			
12	21JG1A4255		TAMMINA KANCHANA REKHA			
13	21JG1A4213		GOLUSU EVANGELINE			
14	21JG1A4261		VADLAMUDI DHANISHYA			<i>V. dhanishya</i>

15	22JG5A4203	B5	MEESALA GEETHA GAYATHRI		Mrs. H Gouthami	Suryan
16	21JG1A4247		POTLADA SWATHI SINDHUJA			
17	21JG1A4248		REDDI RENUKA SAI			
18	21JG1A4204	B6	BONELA PRAVEENA	GenSense: Scalable Gender Detection from Hand palm Images using Fingerprint and DL Techniques	Dr. K. Purushotam Naidu	P. Praveena Pam V. Veishnavi K. Yetendriya K. Yetendriya J. Saranya Ch. Anu Sri Srisakanya D. Rupeshwari
19	21JG1A4262		VOLETTI VAISHNAVI			
20	21JG1A4223		KODIDASU YETENDRIYA LAMANI			
21	21JG1A4246	B7	POSHITHA INAGANTI		Mrs. M Sujatha	Mallika K. Pallavi N. Ashwini Vandhar Prabathini
22	21JG1A4218		JAMI SOWMYA			
23	21JG1A4206		CHATTI ANU SRI			
24	21JG1A4258	B8	TRISHA JENNA	Deep Learning based Accident Detecting Leveraging CCTV Footage And Scene Annotations	Dr. Dwiti Krishna Bebartha	M.V. Meghana
25	21JG1A4259		UPPALAPATI PRAPADHYA			
26	21JG1A4202		ANNAM NAGA SAI MALLIKA			
27	21JG1A4226	B9	KORIBILLI PALLAVI	Stock Market Prediction using ML & DL	Dr. M R K Krishna Rao	Yegeswari Chaya Jeslan.
28	21JG1A4250		S S N SATVI ABHIGNYA NADAKUDI			
29	21JG1A4222		KATIKIREDDI SRIVAISHNAVI			
30	21JG1A4235	B9	MUDDANA NANDINI			
31	21JG1A4236		MULUPURI VENKATA MEGHANA			
32	22JG5A4202		KOKKILIGADDI MYTHILI			
33	21JG1A4252	B9	SIVATHA BALA CHINMAYI SISTA			
34	21JG1A4220		JUSTIN JESLIN			

35	21JG1A4253	B10	SURAPANENI DEEPIKA CHOWDARI		Mr. P Shiva	S. Deepika
36	21JG1A4219		JETTI SRAVANTHI			S. Sravanthi
37	21JG1A4209		DIKKALA MANASA PRANEETHA			Dikkala Praneetha
38	21JG1A4237	B11	NAGARA KEERTHANA	Harassing Deep Learning for Stock price prediction	Mrs. D. Balasantoshimata	N. Keerthi
39	21JG1A4232		MOHAMMAD BASHEERA SULTANA			M.D. Basheera
40	21JG1A4224		KOLA INDU			K. Indu
41	21JG1A4254	TALLURI SAI SREE MOKSHA	Mrs. H Gouthami	Intelligent Vehicle Damage Assessment & cost estimator for insurance companies	Mrs. H Gouthami	M. Meghala
42	22JG5A4206	GUMMADI MEGHANA				G. Meghala
43	21JG1A4231	MOGILIPURI KEERTHI				M. Keerthi
44	21JG1A4233	B12	MOHAMMED ARSHIYA FIRDOUS	Scamless image to speech transfor mation with advanced neural network and graph five models for inline human <del>text</del> interaction modeling	Dr. K. Purushotam Naidu	M.D. Arshiyah
45	21JG1A4211		GADIRAJU SATVIKA			G. Satvika
46	21JG1A4238		NALLA SRI RAMYA			N. Sri Ramya
47	21JG1A4239	B13	NANDURI SAI HARIKA			N. Sai Harika
48	21JG1A4242		PAALURU DIVYA			P. Divya
49	21JG1A4212		GODAVARTHI SRI CHAAHNA			G. Chaahna
50	21JG1A4208	B14	DEVARAPALLI SANJANA			D. Sanjana
51	21JG1A4210		EJADA NANDINI			E. Nandini
52	21JG1A4207		CHINTAPALLI MEENAKSHI			Chintapalli Meenakshi
53	21JG1A4260	B14	VADDADI BHAVANAESWARI SPOO		Mrs. M Sujatha	V. B. Spoosha
54	21JG1A4243		PENTAPATI RAJ TANUJA			P. Raj Tanuja

55	21JG1A4201	B15	AMIRISETTI LAKSHMI PRASANNA	Non-invasive Blood group detection via Fingerprint Biometrics using Deep learning techniques	Dr. Dwiti Krishna Bebartha	A. L. Jayant D. Subudhe S. Yamini S. Yamini
56	21JG1A4221		KASARAPU HARSHITHA			
57	21JG1A4234	B16	MOTHIKIVALASA THANUSHYA	Driver Drowsiness Detection - An Approach Using OpenCV & CNN.	Dr. M R K Krishna Rao	Y. Kouralya R. Naga Supriya D. Subudhe
58	21JG1A4251		SEERAPU YAMINI			
59	22JG5A4201	B17	KAKI ROSHINI	Integrating Block chain for smart City Applications	Dr. K. Purushotam Naidu	M. Vasavathi B. Pujitha G. Sireesha P. Shant
60	21JG1A4263		YAVANAMANDA SRI PHANI KOUSA			
61	22JG5A4205	B18	RAVADA NAGA SUPRIYA	Gesture to Text - A Deep learning Approach to sign language interpretation.	Mr. P Shiva	T. Anitha Vanshika
62	21JG1A4215		GUDIVADA DEEKSHITHA			
63	21JG1A4229	B18	MANDAPATI YASASWINI			
64	21JG1A4205		BONI PUJITHA			
65	21JG1A4216	B18	GUGGILI SIREESHA			
66	22JG5A4204		PALLAPATI BHAVITHA			
67	21JG1A4245	B18	POLAROUTHU TULIKA LAKSHMI			
68	21JG1A4256		TELUKALA ANITHA			
69	21JG1A4225	B18	KOLLURU BHARATHI			
70	21JG1A4249		REDDY DIVYA VARSHITHA			



**GAYATRI VIDYA PARISHAD COLLEGE OF ENGINEERING FOR WOMEN**

(Approved by AICTE, New Delhi, Affiliated to Andhra University, Visakhapatnam)  
 (Accredited by National Board of Accreditation [NBA] for B.Tech CIE, ECE and IT - valid from 2019-22 and 2022-25)  
 (Accredited by National Assessment and Accreditation Council [NAAC] with A Grade - valid from 2022-2027)  
 Phone: +91-891-2739144, 2739124, 2739123, 2739122 Email Id: gvpcwce@gmail.com, info@gvpcwce.ac.in

EAPCET  
 Counseling  
 Code  
**GVPW**

Department of Computer Science and Engineering (AI & ML)

2021-25 Batch Project Review-II Student Signatures

Date:02-04-2025

S.No	Roll No.	Batch No.	Name of the Student	Project Title	Project Guide	Signature
1	21JG1A4214	B1	GORTHI SRI SIVANANDINI	Neurological Disorder Detection and Classification using Deep Learning Techniques with EEG Signals	Dr. Dwiti Krishna Bebartha	G.S.S. Nandini
2	21JG1A4240		NAREMSETTI SHARMILA			N.Sharmila
3	21JG1A4203		BANDARU SHWETA EVANGELINE			Shweta
4	21JG1A4228	B2	MALLIPEDDI PRASANTHI	Respiratory Disorder Classification using Lung Auscultation Sounds	Dr. M R K Krishna Rao	M. Prasanthi
5	21JG1A4230		MANYAPURI TEJASWINI			M.T. Teja
6	21JG1A4241		NIDAMANURI SIRISHA			N. Sirisha
7	21JG1A4227	B3	MALLA ESHA THANIYA	Sustainable Energy Solutions: Predicting Residential Electricity Consumption Using Deep Learning Techniques	Dr. K. Purushotam Naidu	M. Esha
8	21JG1A4257		TOOPATI DURGA PRASANNA			P. Prasan
9	21JG1A4244		PODUGUMATI SUSMITHA			P. Susmita
10	20JG1A4233	B4	N JAYAVARDHINI	An AI-Driven Hybrid System for Disease Prediction and Personalized Drug Recommendations	Mrs. D. Balasantoshimata	N. Jayavardhini
11	21JG1A4217		GUINIMANIKALA SURYA JAYA SRI			G. Suryajaya
12	21JG1A4255		TAMMINA KANCHANA REKHA			T.K. Rekha
13	21JG1A4213		GOLUSU EVANGELINE			G. Evangelina
14	21JG1A4261		VADLAMUDI DHANISHYA			V. Dhanysha

15	22JG5A4203	B5	MEESALA GEETHA GAYATHRI	Gesture and Voice control based virtual mouse using Deep Learning Techniques	Mrs. H Gouthami	M. Geetha
16	22JG1A4247		POTLADA SWATHI SINDHUJA			Sradhika
17	22JG1A4248		REDDI RENUKA SAI			R. Renuka
18	22JG1A4204	B6	BONELA PRAVEENA	Palm-forensics: AI-Driven gender detection from palm images for crime analysis GenSense: Scalable Gender Detection from Hand Palm Images using Pyspark and Advanced Image Processing	Dr. K. Purushotam Naidu	B. Praveena
19	22JG1A4262		VOLETI VAISHNAVI			V. Vaishnavi
20	22JG1A4223		KODIDASU YETENDRIYA LAMANI			K. Yetendriya
21	22JG1A4246	B7	POSHITHA INAGANTI	A Non-Invasive Approach to Cardiovascular Disease Prediction Using Retinal Imaging and Machine Learning	Mrs. M Sujatha	P. Shikharini
22	22JG1A4218		JAMI SOWMYA			J. Sowmya
23	22JG1A4206		CHATTI ANU SRI			Ch. Anu Sri
24	22JG1A4258	B8	TRISHA JENNA	Deep Learning-Based Accident Detection Leveraging CCTV Footage and Scene Annotations	Dr. Dwiti Krishna Bebartha	T. Trishu
25	22JG1A4259		UPPALAPATI PRAPADHYA			P. Prapadhyu
26	22JG1A4202		ANNAM NAGA SAI MALLIKA			A. Mallika
27	22JG1A4226	B9	KORIBILLI PALLAVI	Predicting Stock Market Trends Using Machine Learning and Deep Learning	Dr. M R K Krishna Rao	K. Pallavi
28	22JG1A4250		S S N SATVI ABHIGNYA NADAKUDI			N. Abhignya
29	22JG1A4222		KATIKIREDDI SRIVAISHNAVI			K. Sruvati
30	22JG1A4235	B9	MUDDIDANA NANDINI	Predicting Stock Market Trends Using Machine Learning and Deep Learning	Dr. M R K Krishna Rao	M. Nandini
31	22JG1A4236		MULUPURI VENKATA MEGHANA			M. V. Meghana
32	22JG5A4202		KOKKILIGADDI MYTHILI			K. Mythili
33	22JG1A4252	B9	SIVATHA BALA CHINMAYI SISTA	Predicting Stock Market Trends Using Machine Learning and Deep Learning	Dr. M R K Krishna Rao	S. Chinmayi
34	22JG1A4220		JUSTIN JESLIN			J. Jeslin

35	21JG1A4253	B10	SURAPANENI DEEPIKA CHOWDARI	Privacy-Preserving Federated Learning: Balancing Privacy and Model Performance	Mr. P Shiva	S. Deepika
36	21JG1A4219		JETTI SRAVANTHI			J. Sravanti
37	21JG1A4209		DIKKALA MANASA PRANEETHA			D. Manasa
38	21JG1A4237	B11	NAGARA KEERTHANA	Harassing Deep Learning for Stock Price Prediction	Mrs. D. Balasantoshmata	N. Keertana
39	21JG1A4232		MOHAMMAD BASHEERA SULTANA			M.D. Basheera
40	21JG1A4224		KOLA INDU			K. Indu
41	21JG1A4254	B12	TALLURI SAI SREE MOKSHA	Intelligent Vehicle Damage Assessment & Cost Estimator For Insurance Companies	Mrs. H Gouthami	T.S. Moksha
42	22JG5A4206		GUMMADI MEGHANA			G. Meghana
43	21JG1A4231		MOGILUPURI KEERTHI			M. Keerthi
44	21JG1A4233	B13	MOHAMMED ARSHIYA FIRDOUS	Seamless Image-to-Speech Transformation with Advanced Neural Networks and Generative Models for Intuitive Human-Machine Interaction	Dr. K. Purushotam Naidu	M.A. Arshiya
45	21JG1A4211		GADIRAU SATVIKA			G. Satvika
46	21JG1A4238		NALLA SRI RAMYA			N. Sri Ramya
47	21JG1A4239	B14	NANDURI SAI HARIKA	Securing UPI Transactions: A Data-Driven Approach to Fraud Detection using Machine Learning, Deep Learning and Explainable AI	Mrs. M Sujatha	N. Sai Harika
48	21JG1A4242		PAALURU DIVYA			P. Divya
49	21JG1A4212		GODAVARTHI SRI CHAAHNA			G. Chahna
50	21JG1A4208	B14	DEVARAPALLI SANJANA	Securing UPI Transactions: A Data-Driven Approach to Fraud Detection using Machine Learning, Deep Learning and Explainable AI	Mrs. M Sujatha	D. Sanjana
51	21JG1A4210		EIJADA NANDINI			E. Nandini
52	21JG1A4207		CHINTAPALLI MEENAKSHI			C. Meenakshi
53	21JG1A4260	B14	VADDADI BHAVANAESWARI SPOO	Securing UPI Transactions: A Data-Driven Approach to Fraud Detection using Machine Learning, Deep Learning and Explainable AI	Mrs. M Sujatha	V. Bhavaneswari
54	21JG1A4243		PENTAPATI RAJ TANUJA			P. Raj Tanuja

55	21JG1A4201	<b>B15</b>	AMRISETTI LAKSHMI PRASANNA	Non-Invasive Blood Group Detection Via Fingerprint Biometrics Using Deep Learning Techniques like CNN,GAN,Gabor Filters,and Image Processing	Dr. Dwiti Krishna Bebarta	<i>Dwiti</i>
56	21JG1A4221		KASARAPU HARSHITHA			<i>K. Harshitha</i>
57	21JG1A4234		MOTHIKIVALASA THANUSHYA			<i>Thanushya</i>
58	21JG1A4251	SEERAPU YAMINI				<i>Yamini</i>
59	22JG5A4201	<b>B16</b>	KAKI ROSHINI	Driver Drowsiness Detection-An Approach using OpenCV and CNN	Dr. M R K Krishna Rao	<i>Roshini</i>
60	21JG1A4263		YAVANAMANDA SRI PHANI KOUSA			<i>Y.S.P. Kousalya</i>
61	22JG5A4205		RAVADA NAGA SUPRIYA			<i>R. Ragsupriya</i>
62	21JG1A4215		GUDIVADA DEEKSHITHA			<i>G. Deekshitha</i>
63	21JG1A4229	<b>B17</b>	MANDAPATI YASASWINI	Integrating Block-Chain with Smart Cities Applications Using ML	Dr. K. Purushotam Naidu	<i>M. Yasaswini</i>
64	21JG1A4205		BONI PUJITHA			<i>B. Pujitha</i>
65	21JG1A4216		GUGGILI SIREESHA			<i>G. Sireesha</i>
66	22JG5A4204	PALLAPATI BHAVITHA				<i>P. Bhavitha</i>
67	21JG1A4245	<b>B18</b>	POLAROUTHU TULIKA LAKSHMI	Gesture to Text-A Deep Learning Approach to Sign Language Interpretation	Mr. P Shiva	<i>P. Tulika</i>
68	21JG1A4256		TELUKALA ANITHA			<i>T. Anitha</i>
69	21JG1A4225		KOLLURU BHARATHI			<i>K. Bharathi</i>
70	21JG1A4249		REDDY DIVYA VARSHITHA			<i>R. Divyavardhini</i>



# GAYATRI VIDYA PARISHAD COLLEGE OF ENGINEERING FOR WOMEN

(Approved by AICTE, New Delhi, Affiliated to Andhra University, Visakhapatnam)  
 (Accredited by National Board of Accreditation [NBA] for B.Tech CSE, ECE and IT - valid from 2019-22 and 2022-25)  
 (Accredited by National Assessment and Accreditation Council [NAAC] with A Grade - valid from 2022-2027)  
 Phone: +91-891-2739144, 2739124, 2719125, 2719127 Email Id: gvpcw@gmail.com, info@gvpcw.ac.in

EAPCET  
 Councilling  
 Code  
**GVPW**

## Department of Computer Science and Engineering (AI & ML)

### 2021-25 Batch Main Project Teams

S.No	Roll No.	Batch No.	Name of the Student	Project Title	Name of the Guide	Signature of the Student
1	21JG1A4214	B1	GORTHI SRI SIVAANANDINI	Neurological disorders detection and classification using Deep learning techniques using EEG signals	Dr. Dwiti Krishna Bebartha	Goree Nandini
2	21JG1A4240		NAREMSETTI SHARMILA			
3	21JG1A4203		BANDARU SHWETA EVANGELINE			
4	21JG1A4228	B2	MALLIPEDDI PRASANTHI	Respiratory Disorders Classification using Lung Auscultation Sounds	Dr. M R K Krishna Rao	M. Prasanthi
5	21JG1A4230		MANYPAPURI TEJASWINI			
6	21JG1A4241		NIDAMANURI SIRISHA			
7	21JG1A4227	B3	MALLA ESHA THANIYA	Renewable Energy solutions: Predicting residential electricity consumption using Deep learning techniques	Dr. K. Purushotam Naidu	I. Gopasane
8	21JG1A4257		TOOPATI DURGA PRASANNA			
9	21JG1A4244		PODUGUMATI SUSMITHA			
10	20JG1A4233	B4	N JAYAVARDHINI	AI driven hybrid system for disease prediction & drug recommendation	Mrs. D. Balasantoshimata	N. Jayavardhini
11	21JG1A4217		GUNIMANIKALA SURYA JAYA SRI			
12	21JG1A4255		TAMMINA KANCHANA REKHA			
13	21JG1A4213		GOLUSU EVANGELINE			G. Evangeline
14	21JG1A4261		VADI AMILINI DHANISHYA			V. Dhanishya

Review - 5

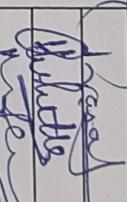
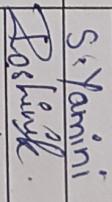
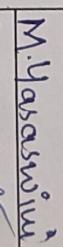
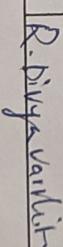
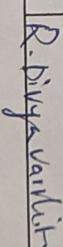
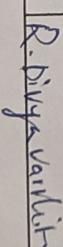
15	22JG5A4203	B5	MEESALA GEETHA GAYATHRI		Mrs. H Gouthami	M. Geetha
16	21JG1A4247		POTLADA SWATHI SINDHUJA			R. Renuka
17	21JG1A4248		REDDI RENUKA SAI			B. Praveena
18	21JG1A4204		BONELA PRAVEENA			M. Vaishnavi
19	21JG1A4262	B6	VOLETI VAISHNAVI		Dr. K. Purushotam Naidu	K. Venkateshwar
20	21JG1A4223		KODIDASU YETENDRIYA LAMANI			P. Sruitha. I
21	21JG1A4246		POSHITHA INAGANTI			J. Suman
22	21JG1A4218		JAMI SOWMYA			Amy
23	21JG1A4206	B7	CHATTI ANU SRI		Mrs. M Sujatha	P. Tejas
24	21JG1A4258		TRISHA JENNA			Uppur
25	21JG1A4259		UPPALAPATI PRAPADHYA			A. S. Madhu
26	21JG1A4202		ANNAMI NAGA SAI MALLIKA			K. Pallavi
27	21JG1A4226	B8	KORIBILLI PALLAVI		Dr. Dwiti Krishna Bebarta	N. Anurag
28	21JG1A4250		S S N SATVI ABHIGNYA NADAKKUDI			Rivish
29	21JG1A4222		KATIKIREDDI SRIVAISHNAVI			Pradeep
30	21JG1A4235		MUDDIDANA NANDINI			M. V. Meghana
31	21JG1A4236	B9	MULUPURI VENKATA MEGHANA		Dr. M R K Krishna Rao	K. Mythili
32	22JG5A4202		KOKKILIGADDI MYTHILI			Chaitanya
33	21JG1A4252		SIVATHA BALA CHINMAYI SISTA			F. Man
34	21JG1A4220		JUSTIN JESLIN			

35	21JG1A4253	B10	SURAPANENI DEEPIKA CHOWDARI		Mr. P Shiva	Charku
36	21JG1A4219		JETTI SRAVANTHI			D. Saravalli
37	21JG1A4209		DIKKALA MANASA PRANEETHA			Kaartana
38	21JG1A4237		NAGARA KEERTHANA			N. Koodlavu
39	21JG1A4232	B11	MOHAMMAD BASHEERA SULTANA		Mrs. D. Balasantoshimata	MP. Basheera
40	21JG1A4224		KOLA INDU			P. Jyoti
41	21JG1A4254		TALLURI SAI SREE MOKSHA			M. Jyoti
42	22JG5A4206		GUMMADI MEGHANA			G. Meghana
43	21JG1A4231	B12	MOGILIPURI KEERTHI		Mrs. H Gouthami	M. Keerthi
44	21JG1A4233		MOHAMMED ARSHIYA FIRDOUS			M. Arshiya
45	21JG1A4211		GADIRAJU SATVIKA			S. Satvika
46	21JG1A4238		NALLA SRI RAMYA			N. Ramya
47	21JG1A4239	B13	NANDURI SAI HARIKA		Dr. K. Purushotam Naidu	N. Sai Harika
48	21JG1A4242		PAALURU DIVYA			P. Divya
49	21JG1A4212		GODAVARTHI SRI CHAAHNA			G. Chahna
50	21JG1A4208		DEVARAPALLI SANJANA			D. Sanjana
51	21JG1A4210	B14	EIJADA NANDINI		Mrs. M Sujatha	E. Nandini
52	21JG1A4207		CHINTAPALLI MEENAKSHI			C. Meenakshi
53	21JG1A4260		VADDADI BHAVANAESWARI SPOO			V. Bhavana
54	21JG1A4243		PENTAPATI RAU TANUJA			P. Tanuja

Intelligent value  
damage assessment  
and cost estimation  
for insurance companies

Scanners Image to speech  
transformation with  
advanced neural  
networks and generative  
models for human-machine  
interaction

Securing VFI  
Transactions

55	21JG1A4201	B15	AMIRISETTI LAKSHMI PRASANNA	Non-invasive Blood group detection via Fingerprint using Deep Learning Techniques.	Dr. Dwiti Krishna Bebarta	
56	21JG1A4221		KASARAPU HARSHITHA			
57	21JG1A4234		MOTHIKIVALASA THANUSHYA			
58	21JG1A4251	B16	SEERAPU YAMINI	Driver Drowsiness Detection using An approach of CNN & Transfer Learning	Dr. M R K Krishna Rao	
59	22JG5A4201		KAKI ROSHINI			
60	21JG1A4263		YAVANAMANDA SRI PHANI KOUSA			
61	22JG5A4205	B17	RAVADA NAGA SUPRIYA	A framework for Integrating Blockchain and machine learning in smart city applications	Dr. K. Purushotam Naidu	
62	21JG1A4215		GUDIVADA DEEKSHITHA			
63	21JG1A4229		MANDAPATI YASASWINI			
64	21JG1A4205	B18	BONI PUJITHA	Gesture to Text - A Deep learning approach to Sign language interpretation	Mr. P Shiva	
65	21JG1A4216		GUGGILI SIRESHA			
66	22JG5A4204		PALLAPATI BHAVITHA			
67	21JG1A4245	B18	POLAROUTHU TULIKA LAKSHMI	Gesture to Text - A Deep learning approach to Sign language interpretation	Mr. P Shiva	
68	21JG1A4256		TELUKALA ANITHA			
69	21JG1A4225		KOLLURU BHARATHI			
70	21JG1A4249	B18	REDDY DIVYA VARSHITHA	Gesture to Text - A Deep learning approach to Sign language interpretation	Mr. P Shiva	



## GAYATRI VIDYA PARISHAD COLLEGE OF ENGINEERING FOR WOMEN

Kommodi, Madhurawada, Visakhapatnam 530 048

(Approved by AICTE, New Delhi, Affiliated to Andhra University, Visakhapatnam)

(Accredited by National Board of Accreditation [NBA] for B.Tech CSE, ECE and IT - valid from 2019-22 and 2022-25)

(Accredited by National Assessment and Accreditation Council [NAAC] with A Grade - valid from 2022-2027)

Phone: +91-891-2739144, 2739124, 2719123, 2719127 Email Id: gvpcew@gmail.com, info@gvpcew.ac.in

EAPCET  
Counselling  
Code  
**GVPW**

### Department of Computer Science and Engineering (AI & ML)

#### PROJECT ABSTRACT – [ADMITTED BATCH: 2021-2025]

<b>YEAR &amp; BRANCH:</b> IV B. TECH. - COMPUTER SCIENCE AND ENGINEERING (AI&ML)		<b>BATCH NO. :</b> B1	<b>SECTION :</b> I
<b>BATCH DETAILS:</b>			
<b>S. No.</b>	<b>Student Regd. No.</b>	<b>Student Name</b>	
1	21JG1A4214	Gorthi Sri Sivaanandini	
2	21JG1A4240	Naremsetti Sharmila	
3	21JG1A4203	Bandaru Shweta Evangeline	
<b>PROJECT GUIDE NAME:</b> Dr Dwiti Krishna Bebartta		<b>PROJECT TITLE:</b> Neurological Disorder Detection and Classification using Deep Learning Techniques with EEG Signals	
<b>ABSTRACT:</b> Diagnosing and managing neurological disorders can be difficult which requires novel approaches for these goals. Electroencephalography (EEG) is an important method which identifies abnormal brain patterns, and is used alongside treatment since it understands brain deviations. This project outlines the framework of automating both the detection and head analysis of neurological diseases using EEG signals. It presents researchers, clinicians and developers with a framework that inspects, modifies and creates scalable systems that have the ability to provide input swiftly and in real time. This framework incorporates sophisticated machine learning, image processing, and deep learning methods to evaluate EEG signals, obtaining crucial data via pre-processing and feature extraction. In order to achieve greater optimization of the model's parameters, optimization algorithms are employed into the distributed multi-objective practices. This technology offers fast, cost effective, non-invasive diagnostics systems that optimally aid doctors and enhance the out comings of patients' cases.			
<b>Keywords:</b> EEG, CNN, LSTM, neurological disorders, optimization			

### **DOMAINS WHERE THE PROJECT CAN BE IMPLEMENTED:**

- Healthcare
- Research
- Medical training

### **IMPLEMENTATION:**

The system preprocesses EEG signals to extract key features. The dataset is split into training and validation sets for effective model training with a convolutional neural network (CNN), LSTM. After training, optimization algorithms are applied to improve the model accuracy.

### **PRINCIPLE IDEA:**

The principal idea of this project is to develop AI driven framework for automated recognition and classification of neurological diseases using EEG signals.

### **VISION:**

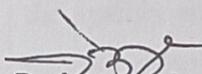
The vision of this project is to detect neurological disorders with an accurate, non-invasive and scalable EEG solution.

### **BASE REFERENCE PAPER DETAILS:**

**TITLE:** Epileptic Seizure Recognition Using Reduced Deep Convolutional Stack Autoencoder and Improved Kernel RVFLN from EEG Signals

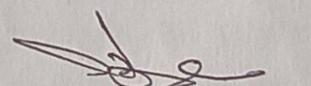
**PUBLISHED YEAR:** June 2021

**JOURNAL NAME:** IEEE TRANSACTIONS ON BIOMEDICAL CIRCUITS AND SYSTEMS, VOL.15, NO.3



**Project Guide**

Dr Dwiti Krishna Bebarta  
Professor



**Head of the Department**  
Dr Dwiti Krishna Bebarta  
Professor



## GAYATRI VIDYA PARISHAD COLLEGE OF ENGINEERING FOR WOMEN

Kommadi, Madhurawada, Visakhapatnam 530 048

(Approved by AICTE, New Delhi, Affiliated to Andhra University, Visakhapatnam)

(Accredited by National Board of Accreditation [NBA] for B.Tech CSE, ECE and IT - valid from 2019-22 and 2022-25)

(Accredited by National Assessment and Accreditation Council [NAAC] with A Grade - valid from 2022-2027)

Phone: +91-891-2739144, 2739124, 2719125, 2719127 Email Id: gvpcew@gmail.com, info@gvpcew.ac.in

EAPCET  
Counselling  
Code

**GVPW**

### Department of Computer Science and Engineering (AI & ML)

#### PROJECT ABSTRACT – [ADMITTED BATCH: 2021-2025]

<b>YEAR &amp; BRANCH:</b> IV B. TECH. - COMPUTER SCIENCE AND ENGINEERING (AI&ML)		<b>BATCH NO. :</b> B2	<b>SECTION :</b> I
<b>BATCH DETAILS:</b>			
<b>S. No.</b>	<b>Student Regd. No.</b>	<b>Student Name</b>	
1	21JG1A4228	Mallipeddi Prasanthi	
2	21JG1A4230	Manyapuri Tejaswini	
3	21JG1A4241	Nidamanuri Sirisha	
<b>PROJECT GUIDE NAME:</b> Dr M R K Krishna Rao		<b>PROJECT TITLE:</b> Respiratory Disorder Classification using Lung Auscultation Sounds	
<b>ABSTRACT:</b> Respiratory sounds act as essential indicators of respiratory health, providing insights into air movement, lung tissue alterations, and secretions within the lungs. This study focuses on classifying respiratory disorders by analyzing these sounds, with a particular emphasis on wheezing, which is frequently associated with obstructive airway diseases such as asthma and chronic obstructive pulmonary disease (COPD). By utilizing digital stethoscopes and advanced recording techniques, a comprehensive dataset of lung sounds is compiled for processing through machine learning algorithms aimed at automated diagnosis. The integration of audio data with deep learning methodologies enables accurate identification of various respiratory conditions, including asthma, pneumonia, and bronchiolitis. The research aspires to enhance diagnostic precision and improve patient outcomes in respiratory healthcare by predicting the likelihood of specific disorders based on sound analysis. Furthermore, the system aims to provide probability rates alongside predictions, which can assist healthcare professionals in making informed clinical decisions. Ultimately, this work underscores the transformative potential of technology in advancing clinical practices and facilitating early intervention strategies for respiratory ailments, paving the way for more effective management of respiratory health.			

**DOMAINS WHERE THE PROJECT CAN BE IMPLEMENTED:**

- Healthcare
- Telemedicine
- Research
- Medical training
- Wearable technology

**IMPLEMENTATION:**

The respiratory disorder classification system preprocesses audio recordings to extract key features like Mel-frequency cepstral coefficients (MFCCs) using TensorFlow and Keras. The dataset is split into training and validation sets for effective model training with a convolutional neural network (CNN). After training, the model predicts respiratory disorders and their associated probability rates from new audio samples. This system is deployed via a Flask web application, allowing users to upload lung sound recordings and receive real-time diagnostic predictions.

**PRINCIPLE IDEA:**

The principal idea of this project is to utilize deep learning techniques for classifying respiratory disorders by analyzing lung sounds. By leveraging a diverse dataset of patient recordings, the model aims to identify patterns linked to conditions such as asthma, COPD, pneumonia, and URTI while providing probability rates for each diagnosis to support clinical decision-making.

**VISION:**

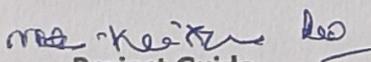
The vision of this project is to transform respiratory health diagnostics by integrating advanced deep learning technologies into clinical practice. By enabling accurate and timely identification of respiratory disorders through sound analysis, we aim to enhance patient outcomes and expand access to diagnostic tools in underserved areas via telemedicine solutions.

**BASE REFERENCE PAPER DETAILS:**

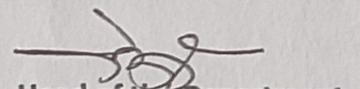
**TITLE:** An Effective Lung Sound Classification System for Respiratory Disease Diagnosis Using DenseNet CNN Model with Sound Pre-processing Engine

**PUBLISHED YEAR:** 16 November 2022

**JOURNAL NAME:** IEEE Access

  
**Project Guide**

Dr M R K Krishna Rao  
Professor

  
**Head of the Department**  
Dr Dwiti Krishna Bebart  
Professor



# GAYATRI VIDYA PARISHAD COLLEGE OF ENGINEERING FOR WOMEN

Kommodi, Madhurawada, Visakhapatnam 530 048

(Approved by AICTE, New Delhi, Affiliated to Andhra University, Visakhapatnam)

(Accredited by National Board of Accreditation [NBA] for B.Tech CSE, ECE and IT - valid from 2019-22 and 2022-25)

(Accredited by National Assessment and Accreditation Council [NAAC] with A Grade - valid from 2022-2027)

Phone: +91-891-2739144, 2739124, 2719125, 2719127 Email id: gvpcew@gmail.com, info@gvpcew.ac.in

EAPCET  
Counselling  
Code

GVPW

## Department of Computer Science and Engineering (AI & ML)

### PROJECT ABSTRACT – [ADMITTED BATCH: 2021-2025]

<b>YEAR &amp; BRANCH:</b> IV B. TECH. – COMPUTER SCIENCE AND ENGINEERING (AI&ML)		<b>BATCH NO. : 3</b>	<b>SECTION: 1</b>
<b>BATCH DETAILS:</b>			
<b>S.No.</b>	<b>Student Regd. No.</b>	<b>Student Name</b>	
1	21JG1A4227	M. Esha Thaniya	
2	21JG1A4257	T. Durga Prasanna	
3	21JG1A4244	P. Susmitha	
4	20JG1A4233	N. Jayavardhini	
<b>PROJECT GUIDE NAME:</b> Dr. K. Purushottam Naidu		<b>PROJECT TITLE:</b> Sustainable Energy Solutions: Predicting Residential Electricity Consumption using Deep Learning Techniques	
<b>ABSTRACT:</b> Residential electricity consumption has significantly increased due to global population growth, urbanization, and the widespread use of household appliances, creating challenges in maintaining stable power supplies. This project presents a deep learning-based approach for accurately predicting residential electricity consumption, addressing the challenges posed by population growth, urbanization, and increased use of household appliances. The model leverages advanced techniques such as Convolutional Neural Networks (CNN), Bidirectional Long Short-Term Memory (BiLSTM), and Self-Attention (SA) to enhance prediction accuracy. Using a comprehensive dataset from UCI, the model demonstrated high predictive accuracy, outperforming traditional methods. Data preprocessing through normalization and a sliding window technique preserves temporal dynamics, while CNN layers extract spatial features, refined by BiLSTM layers to capture long-term temporal dependencies in both directions. The model is evaluated using real-world electricity consumption datasets and demonstrates superior performance compared to traditional forecasting methods. By enabling precise and reliable predictions, this approach contributes to optimizing energy distribution, reducing the risk of power outages, and enhancing sustainability in energy management.			

**DOMAINS WHERE THE PROJECT CAN BE IMPLEMENTED:**

- Renewable Energy Integration
- Residential Energy Monitoring
- Utility Companies

**IMPLEMENTATION:**

This project employs a hybrid deep learning framework to accurately predict residential electricity consumption, integrating advanced algorithms for enhanced performance. It combines the deep learning models like CNN and BiLSTM, leveraging their strengths in capturing spatial, temporal, and intrinsic features. Data preprocessing and denoising are optimized using the Stationary Wavelet Transform (SWT) with the bior2.4 filter to isolate relevant trends. This hybrid approach provides a robust solution for forecasting energy demand with high accuracy across various time intervals.

**PRINCIPLE IDEA:**

This project aims to enhance residential electricity consumption forecasting by integrating CNN, LSTM, and BiLSTM-SA models with data denoising using Stationary Wavelet Transform (SWT). The approach improves accuracy and reliability, optimizing energy management and grid stability

**VISION:**

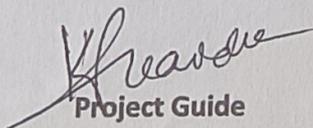
To build a reliable and efficient energy management system by leveraging advanced deep learning techniques, enabling precise electricity consumption forecasting to optimize power distribution and ensure grid stability.

**BASE REFERENCE PAPER DETAILS:**

**TITLE:** PREDICTING RESIDENTIAL ELECTRICITY CONSUMPTION USING CNN-BiLSTM-SA NEURAL NETWORKS

**PUBLISHED YEAR:** 2024

**JOURNAL NAME:** IEEE ACCESS



**Project Guide**

Dr. K. Purushottam Naidu

Assistant Professor



**Head of the Department**

Dr. Dwiti Krishna Bebarta

Professor