Date: 29-10-2021.

From: -

Dr. Srinivasa Rao Veeranki,

Head of the Department,

Department of Electrical and Electronics Engineering,

Aditya Engineering College (A).

To: -

The Principal,

Aditya Engineering College (A).

Respected Sir,

Sub: - Requesting approval for the proposal of organizing "Machine Learning Applications in Electrical Engineering" as a Value Added Course…reg.

The Department of Electrical and Electronics Engineering would like to organize a Value Added Course titled "Machine Learning Applications in Electrical Engineering" from 06-12-2021 to 11-12-2021 in order to understand knowledge on implementation of machine learning algorithms for electrical applications to the students. Therefore, I kindly request you to approve the proposal.

Thanking you,

Permitted

Yours truly,

Head of the Department,

Department of EEE.

Head of The Department
Dept: Of Electrical & Electronics Engineering
Aditya Engineering College (A9)

ADITYA ENGINEERING COLLEGE

An Autonomous Institution

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Aditya Nagar, ADB Road, Surampalem - 533437, Near Kakinada, E.G.Dt., Ph:99498 76662

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Date: 30-11-2021

CIRCULAR

All the B.Tech students of Semester III & VII from Electrical and Electronics Engineering department are here by informed that a Value Added Course named "Machine Learning Applications in Electrical Engineering" is going to commence from 06-12-2021 to 11-12-2021. The interested students can register and complete the course. For further details, contact Mr. Ram Babu Kasukurthi, Assistant Professor, Department of Electrical and Electronics Engineering

Note: Venue: 2nd Floor Seminar Hall (Room Number: 201), EEE Department, KLR Bhavan

Head of the Department

Dr. V. Srinivasa Rao

Head of The Department
Dept: Of Electrical & Electronics Engineering
Aditya Engineering College (A9)

COURSE CONTENT

The following topics will be covered

Topic	Hours
Basics of Machine Learning, Classification, Fitting of Model with Cross-Validation, Bias Variance Tradeoff.	8
Valuation Metrics for Model Validation	8
Neural Network: Logistic Regression with Neural Network Mindset	7
Applications: Speed Control of Motor Using Machine Learning	6
Applications: Home Automation Using Machine Learning	6
Total hours	**35**

COURSE OUTCOMES

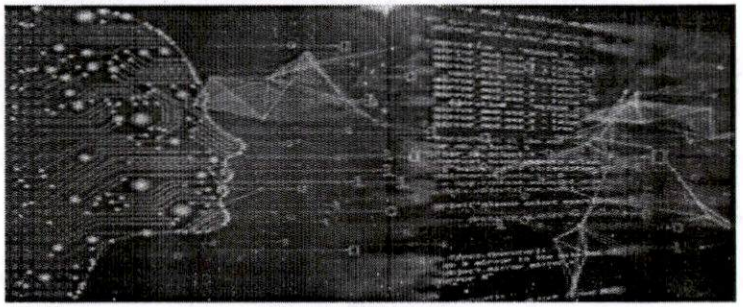
At the end of the course student will be able to

- Understand the knowledge of machine learning concepts.
- Analyze the machine learning algorithm.
- Analyze the machine learning algorithms in a systematic way.
- Understand knowledge on implementation of machine learning algorithms for electrical applications

RESOURCE PERSON

Mr. Ch Amarendra
Assistant Professor
Department of Electrical & Electronics Engineering, AEC
Email: amarendra.ch@aec.edu.in

Value Added Course
on
Machine Learning Applications in Electrical Engineering
6th December to 11th December 2021



Organized by
Department of Electrical & Electronics Engineering

ADITYA ENGINEERING COLLEGE

CO-ORDINATOR

Mr. Ram Babu Kasukurthi
Assistant Professor
Email: rambabu.k@aec.edu.in

Head of The Department
Dept: Of Electrical & Electronics Engineering
Aditya Engineering College (A9)

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Department of Electrical and Electronics Engineering

Value Added Course Report

Event name	Machine Learning Applications in Electrical Engineering
Introduction to Event	Machine learning (ML) is a branch of artificial intelligence (AI) that enables computers to "self-learn" from training data and improve over time, without being explicitly programmed. Machine learning algorithms are able to detect patterns in data and learn from them, in order to make their own predictions.
Event date	06-12-2021 to 11-12-2021
Number of days	06
Coordinator(s)	Mr. Ram Babu Kasukurthi
Agenda/Event Flow	

Topic	Hours
Basics of Machine Learning, Classification, Fitting of Model with Cross-Validation, Bias Variance Tradeoff.	8
Valuation Metrics for Model Validation	8
Neural Network: Logistic Regression with Neural Network Mindset	7
Applications: Speed Control of Motor Using Machine Learning	6
Applications: Home Automation Using Machine Learning	6
Total hours	**35**

No of students participated and list	223 and the participant list is Enclosed
Target participants	B.Tech III & VII Semester
Participants Attendance Sheet(enclosure)	Enclosed
Resource person(s)	**Mr. Ch. Amarendra** **Associate Professor** **Contact No. 77299903036** **Email:amarendra.ch@aec.edu.in**
Profile of resource person(s) in brief	Enclosed

Location and venue	KLB 201, Aditya Engineering College
Outcomes	At the end of the course student will able to • Understand the knowledge of machine learning concepts. • Analyze the machine learning algorithm. • Analyze the machine learning algorithms in a systematic way. • Understand knowledge on implementation of machine learning algorithms for electrical applications.

Course Coordinator

Head of the Department

Head of The Department
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Department of Electrical and Electronics Engineering

Course: Machine Learning Applications in Electrical Engineering

List of students registered for the course

Scheduled Tenure: 06-12-2021 to 11-12-2021 **Venue: KLB 201**

S.NO	Roll No	Name	Semester
1.	20A91A0201	AKEY SEETHANVESHI	III
2.	20A91A0202	ANUKULA LAKSHMI SANJANA	III
3.	20A91A0203	ARETI BALA SAI SANKAR	III
4.	20A91A0204	BATHULA BHARANI KUMAR	III
5.	20A91A0205	BETHA VENNELA SATYA GANGA BHAVANI	III
6.	20A91A0207	CHINNI ASHOK	III
7.	20A91A0208	CHITIKELA SESHU RAMA DURGA THARUN	III
8.	20A91A0209	CHITTURI AMULYA	III
9.	20A91A0210	DASARI VAMSI KRISHNA	III
10.	20A91A0212	DODDI SURESH	III
11.	20A91A0213	EGALA BHANU	III
12.	20A91A0214	GANTA SEKHAR REDDY	III
13.	20A91A0215	GOLLA NAGA DILEEP	III
14.	20A91A0216	GOVINDULA MOUNIKA	III
15.	20A91A0217	GUMMADI KIRANBABU	III
16.	20A91A0218	GUNDABATTULA VAMSI PRIYANKA	III
17.	20A91A0220	JAKKIREDDY SIVA REDDY	III
18.	20A91A0221	JALDANI SAI SANDEEP	III
19.	20A91A0222	KOKKILIGADDA VEERABABU	III
20.	20A91A0223	KOMMANA VINAY KUMAR	III
21.	20A91A0224	KONDETI SANJAY	III
22.	20A91A0225	KOVVURI LAKSHMI MOUNIKA	III
23.	20A91A0226	LAKSHMI PRASANNA MEDIBOYINA	III
24.	20A91A0227	MAMIDIPAKA SANDEEPKUMAR	III
25.	20A91A0228	MEDE VVS SUBRAHMANYESWARA REDDY	III
26.	20A91A0229	MITTANA SATYA VISALA	III
27.	20A91A0230	NAMADI ANURAG	III
28.	20A91A0232	PALIVELA VIJAYA KRISHNA	III
29.	20A91A0233	PEETHALA PREMSAGAR	III
30.	20A91A0234	PENDEM VENKATESH	III
31.	20A91A0235	POTHULA JAGADEESH	III
32.	20A91A0237	RAMISETTI ISWARYA	III
33.	20A91A0238	RAVURI KOTESWARA RAO	III

34.	20A91A0239	RAYUDU VENKATA SAI KRISHNA SWAMY	III
35.	20A91A0240	REESU VASANTHA	III
36.	20A91A0241	SANTOSH PANDIT	III
37.	20A91A0242	SUNKAVILLI RAMA KRISHNA	III
38.	20A91A0243	SURAMPUDI SATYANARAYANA	III
39.	20A91A0244	TADI VENKATA SATYANARAYANA REDDY	III
40.	20A91A0245	TAMALLA VENKATESH	III
41.	20A91A0246	VADDADI JHANSI SRI SRUTHI	III
42.	20A91A0247	VEDURUPAKA VENKATA SHIVATHMIKA	III
43.	20A91A0248	VENTAPALLI MAHESH	III
44.	20A91A0249	ADABALA SRIHARI HARESWARA SAIVISHNU	III
45.	20A91A0250	AKKIREDDI HARI KRISHNA	III
46.	20A91A0251	AMBATI VENKATA TIRUMALA	III
47.	20A91A0252	ANAPARTHI LAKSHMI RAVI TEJA	III
48.	20A91A0253	BHUPATHI SRUTHIPAVANI	III
49.	20A91A0254	CHAPPIDI SANJAY	III
50.	20A91A0255	CHINTHAKULA SAI TRINADH	III
51.	20A91A0256	DEYYALA SAI LAKSHMI	III
52.	20A91A0257	DUDALA ANUSHA	III
53.	20A91A0258	GANNAMANENI TEJASRI	III
54.	20A91A0259	GUNUPURU ANIL KUMAR	III
55.	20A91A0260	KAAMISETTI MANIKANTA SWAMY	III
56.	20A91A0261	KATTA SRAVANI SRI SAI PRIYA	III
57.	20A91A0262	KONTHAM LAKSHMI DURGA	III
58.	20A91A0264	KOTIPALLI SAI VEERENDRA	III
59.	20A91A0265	KOTTU SATYA SAI DURGA	III
60.	20A91A0266	KOVVIRI ISSAC NEWTON	III
61.	20A91A0267	KROVVIDI SIVA SREE	III
62.	20A91A0268	LAKKOJU BALAJI NAGA SAI YASWANTH	III
63.	20A91A0269	LEGA ROHIT KUMAR	III
64.	20A91A0270	MALLA JAYA PRAVALLIKA	III
65.	20A91A0271	MANDAPATI RAHUL	III
66.	20A91A0272	MANYAM JAGATH VEERA VENKATA SAI	III
67.	20A91A0273	MEDISETTI SIRISHA	III
68.	20A91A0274	MENTE ANUSHA	III
69.	20A91A0275	MOKA SANTOSH KUMAR	III
70.	20A91A0276	MUNAGALA SATYA BALA SANDEEP KUMAR	III
71.	20A91A0277	MUSUNURI VENKATA EESWARA SHARMA	III
72.	20A91A0278	NAGAM MOUNIKA	III
73.	20A91A0279	NEELAM HEMANTH KUMAR	III
74.	20A91A0280	PENKEY SURESH	III
75.	20A91A0281	PERURI SRAVAN KUMAR	III
76.	20A91A0282	PINISETTI SURYA ANUNAI	III
77.	20A91A0283	PITHANI KISHOR	III
78.	20A91A0284	POTHULA KARUNA SWAROOP	III

79.	20A91A0285	RAYUDU SAI SUDHA	III
80.	20A91A0286	ROUTHU ROOPA DURGA SAI SRIVANI	III
81.	20A91A0287	SALADI KALYANI DURGA	III
82.	20A91A0288	SUNKARA MANOHAR	III
83.	20A91A0289	TANIKELLA SANKARA VAMSHI KRISHNA CHAITANYA	III
84.	20A91A0290	VALLAPARAPU NAGENDRA	III
85.	20A91A0291	VASAMSETTI SATYA SRINIVAS	III
86.	20A91A0292	VEDURUPAKA VENKATA SATYA AKHIL	III
87.	20A91A0294	YENUGULA DEVI	III
88.	21A95MQ003	SHAIK ABDUL SUBHAN FAZIL	III
89.	21A95MQ010	MEDAPATI ANISH REDDY	III
90.	21A95MQ016	KOYYA VEERA VENKATA SAI DURGA DEEPAK	III
91.	21A95MQ023	AVULA NARENDRA REDDY	III
92.	21A9LE0201	MAGAPU PRABHU RAJU	III
93.	21A9LE0202	YELETI SUMALIKA	III
94.	21A9LE0203	SUNNAM DEVI TEJASWI	III
95.	21A9LE0204	KAKI SHIVA SATYA NARAYANA	III
96.	21A9LE0205	KAKARLA POSIYYA	III
97.	21A9LE0206	MUDADLA JYOTHI VENKATA SRIKANTH	III
98.	21A9LE0207	THANINKI DEEPAK	III
99.	21A9LE0208	MUTTABATTULA SUMANJALI	III
100.	21A9LE0209	KOJJARAPU VEERA BHARANI	III
101.	21A9LE0210	SARIPALLI CHAKRADHAR SATYA MURTHY	III
102.	21A9LE0211	THATLA VAMSY	III
103.	21A9LE0212	THOTA LOKESH	III
104.	21A9LE0213	MOHAMMAD THAHER ALISHA	III
105.	21A9LE0214	DUMMARI VAMSI KRISHNA	III
106.	21A9LE0215	ROUTHU SAI VAMSI	III
107.	21A9LE0216	KASIREDDY LAYA	III
108.	21A9LE0217	POLAVARAPU CHIRU VENKAT	III
109.	21A9LE0218	VANAPALLI SRI BHAVYA	III
110.	21A9LE0219	DHARANALAKOTA RAJESH	III
111.	21A9LE0220	VISWASULA ANJALI	III
112.	21A9LE0221	PURIMITLA BHARATH	III
113.	21A9LE0222	BHIMAVARAPU HARSHAVARDHAN	III
114.	17A91A0232	PEPAKAYALA VIKASH	VII
115.	18A91A0201	ANDE DURGAPRASAD	VII
116.	18A91A0202	AVUGADDI NARESH	VII
117.	18A91A0205	BHUSARAPU DEEPU PRAVEEN KUMAR	VII
118.	18A91A0206	BODDU SAI	VII
119.	18A91A0208	CHINNAM TEJASWINI	VII
120.	18A91A0209	DANGETI SATYA SUBRAHMANYA AJAY	VII
121.	18A91A0210	DHAMALANKA DEVI PRASANNA	VII
122.	18A91A0211	DOMMETI HEMA SAI TEJA	VII

123.	18A91A0212	DUDI LOKESH	VII
124.	18A91A0213	DUNABOINA GOWTHAM	VII
125.	18A91A0215	GORJA MOHIT KUMAR	VII
126.	18A91A0216	GUDA AMARSRINADH	VII
127.	18A91A0217	GUNDABATTULA CHAITANYA VISHNU SAI	VII
128.	18A91A0218	JAMPA RAMAKRISHNA	VII
129.	18A91A0219	KADIMSETTY PRASANNA MAHESH	VII
130.	18A91A0220	KANHAIYA SHAH	VII
131.	18A91A0222	KATARI RAHUL KUMAR	VII
132.	18A91A0223	KETHA AKHILESH	VII
133.	18A91A0225	KOVVURI GEETHA SAI SURYA GAYATHRI	VII
134.	18A91A0226	LALAM SAI SRI RAM BALAJI	VII
135.	18A91A0227	MADEPALLI RAJA	VII
136.	18A91A0228	MATTA G V V B DURGA PRASANTH	VII
137.	18A91A0229	MAVIREDDY ANIL SAI	VII
138.	18A91A0230	MENTIMI SANDEEP BABU	VII
139.	18A91A0231	MERUVA VENKAT	VII
140.	18A91A0232	MORAMPUDI JAYA PRAKASH	VII
141.	18A91A0233	SAI SHANMUKHA AKSHATH NITTALA	VII
142.	18A91A0234	NUNNA SAI DIVYA SINDHURA	VII
143.	18A91A0235	PADAMATA SRIVASTAV SAI GOUD	VII
144.	18A91A0236	PANTHADI SATISH	VII
145.	18A91A0237	PENMETSA MANIKANTA RAJU	VII
146.	18A91A0238	POKALA PRATHAP	VII
147.	18A91A0239	POLUPARTHI HARITEJA	VII
148.	18A91A0240	POSINA NAGA SAI ATCHUTANANDA RAO	VII
149.	18A91A0241	RAYUDU HEMA VENKATA SAROJINI SAI DEEPTI	VII
150.	18A91A0242	SATYAMSETTI SIVA SANKAR	VII
151.	18A91A0243	SATYAMSETTI SIVANAGU	VII
152.	18A91A0244	SEKHARAMANTRY CHAITANYA KISHORE PATNAIK	VII
153.	18A91A0245	TAMALAMPUDI SREE SUJANRANJANI REDDY	VII
154.	18A91A0246	VINUKONDA VEERAVENKATESH	VII
155.	18A91A0247	YAGADASU NAGANNA DORA	VII
156.	18A91A0248	AMARTHI MANIKRISHNA	VII
157.	18A91A0250	BHEEMAVARAPU DINESH	VII
158.	18A91A0251	BOPPANA NAVEEN KUMAR	VII
159.	18A91A0252	CHALAPAKA CHARISHMA	VII
160.	18A91A0253	CHEKKA GOPI KRISHNA	VII
161.	18A91A0254	CHEKURI GIRIDHAR VENKATA SATYA SAI SANDEEP	VII
162.	18A91A0255	CHELLINGI SURYA TEJA	VII
163.	18A91A0256	CHERUKURI HARSHITHA	VII
164.	18A91A0257	CHITTURI SANJAY CHOWDARY	VII
165.	18A91A0258	DULIPUDI PRAVEEN	VII
166.	18A91A0259	GANDI SAI BHASKARA GANESH	VII

167.	18A91A0260	GANDROTHU KAVYA	VII
168.	18A91A0261	GEESALA RAVI TEJA	VII
169.	18A91A0262	GUNTURI VENKATA SATYA DURGA SUJITH VARMA	VII
170.	18A91A0263	KALABATHULA JOY AVINASH KANNA	VII
171.	18A91A0265	KOMMIREDDY SIVA CHAITANYA	VII
172.	18A91A0266	KOMPELLA SRISAIVENKATAKASISUBBARAYUDU	VII
173.	18A91A0267	KOPPIREDDY VEERA ARJUNA PAVAN KUMAR	VII
174.	18A91A0268	KOTTU BHAVANI	VII
175.	18A91A0270	KUSUMANCHI GOWRI BHAVANI	VII
176.	18A91A0271	MADDURI RAKESH	VII
177.	18A91A0272	MEDISETTI VIJAYA	VII
178.	18A91A0274	MONIKA GADEWAR	VII
179.	18A91A0275	MUVVA SRI TEJA	VII
180.	18A91A0276	NADIGATLA MAHALAKSHMI	VII
181.	18A91A0277	NEELAM SRI HARSHIT SAI	VII
182.	18A91A0278	NICHINAKOLLA SRIDHAR GOWD	VII
183.	18A91A0279	PALACHARLA SOWMYA SRI	VII
184.	18A91A0280	PANCHIKATLA NAVEEN	VII
185.	18A91A0281	PINISETTI RISHI RAM	VII
186.	18A91A0282	PIRADHI GANESH	VII
187.	18A91A0283	PITANI CHANDU	VII
188.	18A91A0284	RAJAPANTHULA JAGADEESHWARI	VII
189.	18A91A0285	ROWTHU PAVANKUMAR	VII
190.	18A91A0286	SANDHIPARTHI VENKATA SRI ABHEEST	VII
191.	18A91A0287	SARIPILLI JAYADEV	VII
192.	18A91A0289	ULISETTI YAGHNA SAI SURYA	VII
193.	18A91A0290	UPPALA NAGA SAI RANGA SRAVANTH KUMAR	VII
194.	18A91A0291	VASIREDDY VENKATA SAI PRUDHVI RAJ	VII
195.	18A91A0292	VATTEM RAMANJANEYULU	VII
196.	18A91A0293	VEERELLA PAVAN DEEPAK	VII
197.	18A91A0296	NITISH NONIA	VII
198.	18A95A0210	VANASARLA NAVEEN SAI SUBHASH	VII
199.	18A95A0219	MEKALA PAVAN GANESH	VII
200.	19A95A0201	GUNDALA KRANTHI KUMAR	VII
201.	19A95A0202	MARISE ROHITH KUMAR	VII
202.	19A95A0203	PYNNI VEERA VENKATA SATYANARAYANA SWAMY	VII
203.	19A95A0204	KUDUPUDI VAMSI KRISHNA	VII
204.	19A95A0205	PENTAPATI V S N BALAJI MANIKANTA	VII
205.	19A95A0206	PACHIPALA SIVA	VII
206.	19A95A0207	VEDULLAPALLI HEMANTH KUMAR	VII
207.	19A95A0208	KOLLATI SURYAPRAKASH	VII
208.	19A95A0209	MALLIDI SAI VINAY KUMAR REDDY	VII
209.	19A95A0210	VEERAVALLI SAI SIRISHA	VII
210.	19A95A0211	MEDISETTI DARSITHA	VII

211.	19A95A0213	MURAMALLA PRAVALLIKA	VII
212.	19A95A0214	MATCHA NIKESH KUMAR	VII
213.	19A95A0215	PATALA SREEKANTH	VII
214.	19A95A0216	SHEIK SADHIK	VII
215.	19A95A0217	VEERADA SAI PHANI KUMAR	VII
216.	19A95A0218	BORA PREM NARASIMHA REDDY	VII
217.	19A95A0219	UPPU JOGESWAR SAI MALLIK	VII
218.	19A95A0220	RUTHALA MANI KUMAR	VII
219.	19A95A0221	MOHAMMAD AZHAR SAMDHANI	VII
220.	19A95A0222	PURUSOTTAM VASISTAKANTH	VII
221.	19A95A0223	MEDA BHARGAVA MRUTYUNJAYA RAM	VII
222.	19A95A0224	KAMANA MOHAN KRISHNA	VII
223.	19A95A0225	PENUMUCHI VIJAY VAMSI	VII

Course Coordinator

Head of the Department

Head of The Department
Dept: Of Electrical & Electronics Engineering
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| Department:Electrical and Electronics Engineering | | | | Attendance,Duration: 06-12-2021 to 11-12-2021 | | | |

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| Department:Electrical and Electronics Engineering | | | | Attendance,Duration: 06-12-2021 to 11-12-2021 | | | |

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Department of Electrical and Electronics Engineering

CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms. N. HEMANTH KUMAR bearing roll no 20A91A0279 of III Semester has completed the **Value Added Course "Machine Learning Applications in Electrical Engineering"** during the period 06-12-2021 to 11-12-2021.

Course Coordinator

Head of the Department

Head of The Department
Dept: Of Electrical & Electronics Engineering
Aditya Engineering College (A9)

Curriculum vitae

Chennapragada Amarendra, M.Tech, M.I.S.T.E,(Ph.D.)
Email-Id:-amarendraamrita@gmail.com

Phone No: 07729990303
Google Scholar Profile :-
https://scholar.google.com/citations?user=X2CM2tYAAAAJ&hl=en
Scopus ID :-
https://www.scopus.com/authid/detail.uri?authorId=57191864631
ORCiD ID:-https://orcid.org/0000-0002-7759-0200
Web of Science Researcher ID:- AAO-8707-2020
Publons Profile:-
https://publons.com/researcher/3189158/amarendra-ch/
ResearchGate Profile:-
https://www.researchgate.net/profile/Ch_Amarendra

CAREER OBJECTIVE:

To grow up with an Organization as an Electrical Engineer where my knowledge, skills and ability to work in a new environment and be functional immediately, contributing personally for the development of the Organization. I am quick to learn and adapt to new situations and technologies.

EDUCATION QUALIFICATION:

- Pursuing **Ph.D.**in KL University, Vijayawada, registered in Jan 2014.
- **M.Tech** in **Power Electronics and Drives** from KL University, Vijayawada with **8.35 CGPA**.2011-2013.
- **B.Tech** in **Electrical and Electronics Engineering** from Amrita School of Engineering, Bangalore with **6.5 CGPA**, 2007-2011.
- Board of Intermediate from Smt. Doddapaneni Indira Jr. Collage, Tenali with **86%.**2005-2007.
- S.S.C from Sree Sai High School, Tenali with **83%**.2005-2005.

Ph. D. Research topic :

Title: **Reduction of output voltage harmonics in Direct Matrix Converter using PSO.**
Superviser: Dr. K. Harinadha Reddy,
Vice Pricipal & Professor in EEE department, LBRCE, Mylavaram.

M.Tech Final Project:

Title: **Comparative study of DSVM and ISVM for matrix converter**

WORK EXPERIENCE

- Working as assistance professor in ADITYA ENGGINEERING COLLEGE, surampalem-From May 2013 to till the date.
- Held various administrative duties in the department.

- Department Exam cell in-charge.
- Department OBE co-ordinator (Expert in OBE formats and NPTEL certified professional)
- Department Autonomous Coordinator.
- Department MOOCs/NPTEL/Spoken Tutorial Coordinator.

- Worked as i/c Professor Hostel Academics Jan 2014 to Jan 2015.
- Worked as College Exam Cell In-Charge from Jan 2015 to March 2016.
- Total Teaching Experience: 8 years

SUBJECTS TOUGHT

- Power Electronic Converter and AC Drives(M.Tech) – 2 Times
- Electrical Machine Modelling and Analysis(M.Tech)- 3 Times
- Electrical Machines-I,(B.Tech) 2 Time
- Network Analysis(B.Tech) – 2 Times
- Basic Electrical and Electronics Engineering (B.Tech)- 3 Times
- Electrical Technology(B.Tech)- 4 Time

PAPERS PUBLISHED

1. **Ch. Amarendra**,V. Siva Reddy, Sk. Moulali, K. Harinadha Reddy, Ch. Rami Reddy, " Resonance Propagation And Elimination In Integrated And Islanded Microgrids International Journal Of Power Electronics And Drive System (IJPEDS).2018
2. **Ch Amarendra**, Pvp Ram,"Comparative Study of Dsvm and Isvm for Matrix Converter,Indian Journal Of Applied Research (IJAR) 3 (6), 2013.
3. **Ch Amarendra**, K Harinahda Reddy, "Investigation And Analysis Of Space Vector Modulation With Matrix Converter Determined Based On Fuzzy C-Means Tuned Modulation Indexs, International Journal Of Electrical And Computer Engineering 6 (5), Pp.1939, 2016.
4. K Harinadha Reddy, S Govinda Raju, **Ch. Amerandra**, "Fuzzy Inference Aco Islanding Detection And Stability Analysis Of Integrated Power System", IEEE Power & Energy Society Innovative Smart Grid Technologies Conference (ISGT),Washington DC.
5. V S S Gowthami **Ch. Amarendra**, Solar Powered Arduino Uno Based Auto Irrigation System, Indian Journal Of Applied Research(IJAR),pp.1-2,2019
6. **Ch Amarendra**, K Harinadha Reddy, "PSO Algorithm Support Switching Pulse Sequence Isvm For Six-Phase Matrix Converter-Fed Drives", Smart Intelligent Computing And Applications, Pp. 559-569, Springer, Singapore.
7. **Ch Amarendra**, K Harinadha Reddy,"Performance Analysis Of A Matrix Converter Fed Induction Motor Drive Using Fuzzy Based Svm Modeling", IJCTA, Volume 10,Issue.5,Pp. 207-212, 2017.
8. **Ch Amarendra** ,G Srinivasa Rao, K Harinadha Reddy, Raghu Thumu,Design Of Solar Bicycle, Jardcs,2017.
9. **Ch Amarendra**, K Harinadha Reddy," PSO supported Dual Matrix Converter for Doubly fed Induction Generated Driven by variable speed wind turbine system", Vol. 10 Issue. 1, IJRER, March 2020.
10. **Ch Amarendra**, K Harinadha Reddy,"Performance Analysis intelligent based Advanced PSO Algorithm and Testing of real time Matrix Converter Electrical System", Soft Computing, Springer Nature.

CONFERENCE ATTENDED

- International Conference On Smart Electric Grid Conducted By KL University, Sep 2014
- A National Level Conference on Power Electronics Conducted By Vishu Engg College, Bhimavaram, Feb 2014.

- 2rd International Conference on Computational Intelligence & Informatics ICCII-2018 on September 2017 Organized by Department of Computer Science & Engineering, JNTUH College of Engineering Hyderabad.
- 2nd International Conference Smart Computing & Informatics-2018, conducted by PVPSIT, Vijayawada,Jan 2018.

SHORT TERM &CERTIFICATE COURSES ATEENDED

- A Certificate Couse on "Research Methodology "Conducted By Kl University, Vaddeswaram, Jan 2014.
- A Certificate Couse on "Electrical Machine Modelling and Analysis" Conducted By KL University, Vaddeswaram, July 2014.
- A Short Term Corse On "Smart Distribution System" Conducted By KL University, Vaddeswaram, Dec 2015.

WORK SHOPS ATTENDED

- A National Level Work Shop On "Energy Auditing and Conservation" Organized By KL University, Vaddeswaram, May 2013.
- A National Level Work Shop On "MATLAB and Applications on Electrical engineering" Organised By Aditya Engineering College, Sep 2013.

WORK SHOPS ORGANIZED OR GUEST LEACTURES DELIVERED

- A Guest leacture delivred on "Advancements in Matrix Converter ans Simulation" on 23rd April 2020, organized by Department of EEE. CMRCET, Hyderabad.
- A Guest leacture delivred on "Nature inspired Optimization Algorithms" on 15-06-2020, organized by Department of EEE, Aditya Polytechnique College, Kakinada.

TECHNICAL SKILLS:

- Built many Algorithm principal based circuits.
- Presented Mini Projects in work Shops and Seminars organised by our institution and taken advice from the experts for the betterment in developing the circuit design and its applications.
- Well versed and trained to handle individually for developing PCB by laser printing method using eagle software as a part of my Academic Curriculum.
- Worked on various simulation software like MATLAB, Simulink, P Spice, MASM and CAD.
- Usage of the C & C ++ basics, Graphics and Programming out puts in mini projects.

PERSONAL STRENGTH:

- Good communication skills and Interpersonal skills
- Possesses a strong analytical aptitude in work environment
- Compatible in handling all levels of people, during my academics carrier I learned to work in teams.
- Enthusiasm to learn and teach.

PERSONAL PROFILE:

- Date of Birth : 25th July,1990
- Fathers' Name: : CH. V. Appa Rao
- Mothers' Name : CH. Kanaka Druga
- Nationality : Indian
- Languages Spoken : English, Hindi, Kannada and Telugu
- Address for Communication : Sri Sai Homeo Stores, Gandhi Chock, Tenali (M), Guntur (D), Andhra Pradesh. India – 522201.

DECLARATION:

I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

Place: Kakinada

Chennapragada Amarendra

Head of The Department
Dept: Of Electrical & Electronics Engineering
Aditya Engineering College (A9)