STAFF AND STUDENTS
DEPARTMENT OF ELECTRICAL ENGINEERING

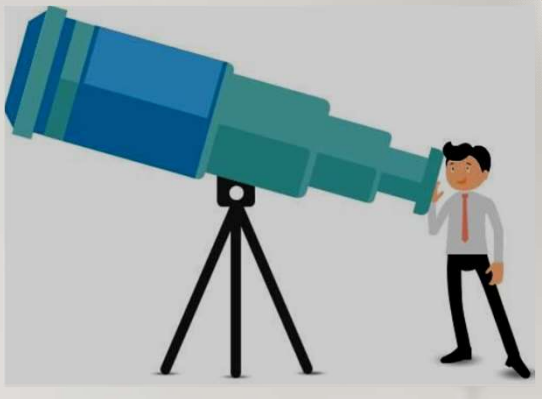
WELCOMES

you

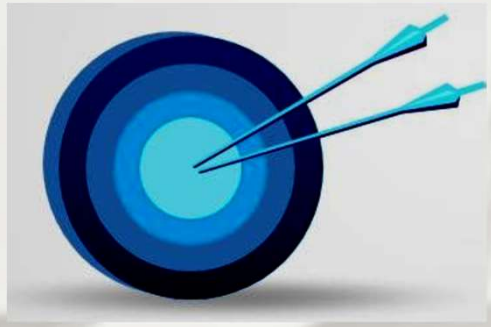
Andhra University
Visakhapatnam

Vision

To enhance the potential of the Department to fulfil the needs of the stakeholders of future generations in competing with the global peers



Mission



- To create an environment that helps creativity in students and enriching with essential resources to train students in advanced learning & critical thinking in solving dynamic challenges in society in the field of electrical engineering
- To equip and strengthen faculty and research scholars to instigate effective teaching-learning process and contemporary research.
- By encircling industry interaction to offer reliable consultancy services.

Quality Policy

To compete with the global technological challenges through exemplary teaching, research and development programs with clear vision and simple mission

Quality Objectives

- By imparting globally focused education
- By creating world class professionals
- By establishing Synergic relationships with industry and society
- By developing state of art infrastructure and well endowed faculty
- By imparting knowledge through team work and incessant efforts

Genesis of the Department

1955
- ENGINEERING SECTION
  - B.E(ELECTRICAL ENGINEERING)

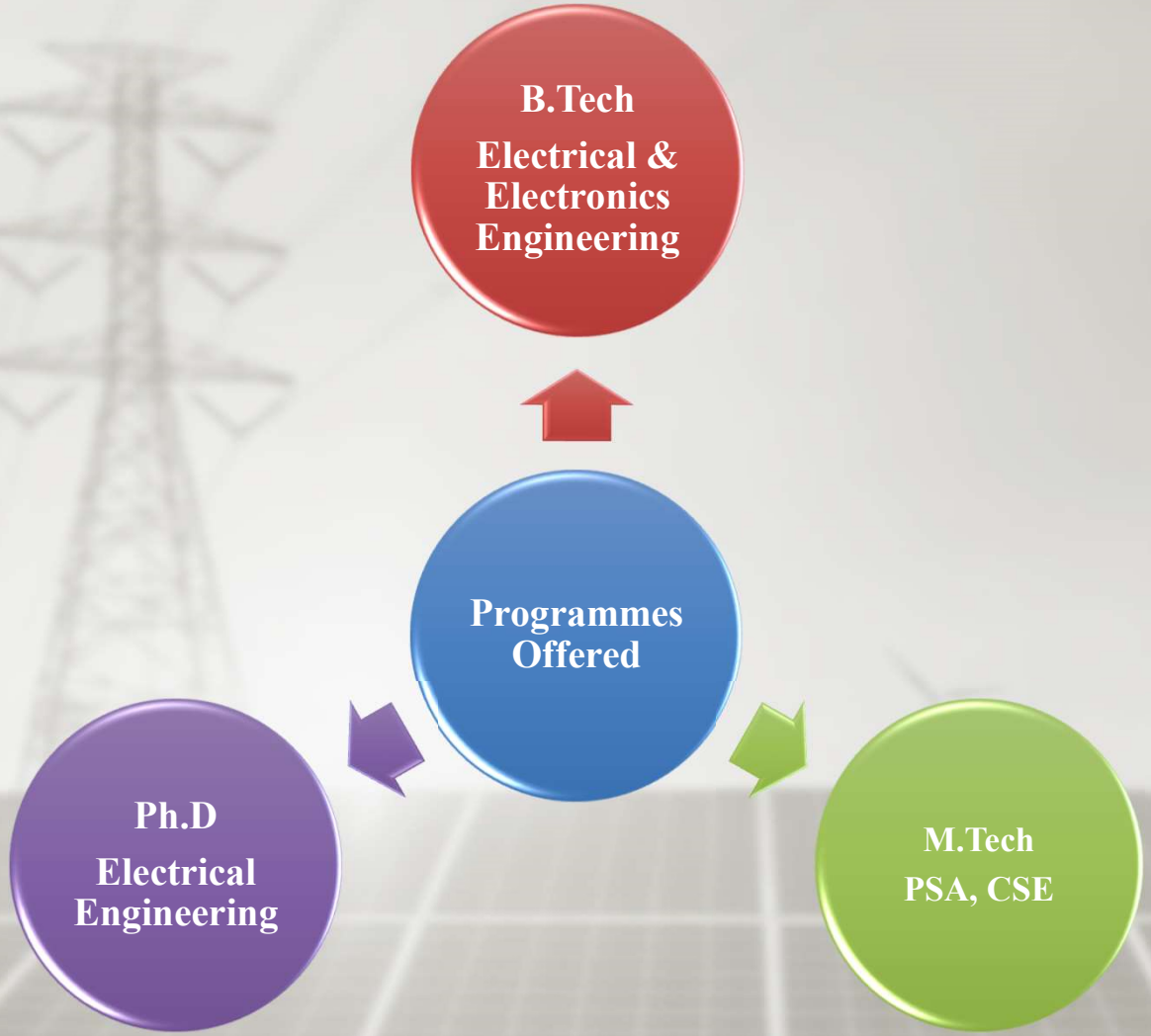
1963
- M.E (MACHINES)
- M.E (POWER SYSTEMS)
- Ph.D (ELECTRICAL ENGINEERING)

1970
- M.E (POWER SYSTEMS AND AUTOMATION)
- M.E(CONTROL SYSTEMS ENGINEERING)

1972
- B.E (ELECTRONICS &COMMUNICATION ENGINEERING)

1978
- M.E (COMPUTER ENGINEERING)

1983
- DEPARTMENT TRIFURCATION
  - ELECTRICAL ENGINEERING
  - ELECTRONICS & COMMUNICATION ENGINEERING
  - COMPUTER SCIENCE & SYSTEM ENGINEERING


B.Tech
Electrical & Electronics Engineering
Programmes Offered
Ph.D
Electrical Engineering
M.Tech
PSA, CSE

Faculty Composition

Professors	Associate Professors	Honorary Professor	Assistant Professors (C)
5+2W	2+1W	1	3W

FACULTY ACTIVITIES

Average Age	: 42 years	Mentors for Start Ups	:02
Average Experience	: 24.3 years	Memberships in Professional Bodies	:31
Men : Women	: 7:6	Guest Lectures Delivered	:78
Ph.D. Holders	: 13	Patents Published	:34
Faculty Student Ratio	: 1:10	Research Projects Completed and Ongoing	:08
Tenure Track Faculty	:12	Consultancy Works Completed and Ongoing	:06
Ph.D's Produced	:93	Awards Received by Faculty	:28
Research Publications	:757	Workshops/Conferences Conducted & Attended	:264

Faculty Information

Name of the Faculty	Experience	Area of Research	Ph.D's during last 5 Years	Total PhD's
REGULAR FACULTY				
Professors				
Prof.K. Vaisakh	30	Microgrid, Renewable Sources, Optimization Techniques	05	22
Prof.G. V. Siva Krishna Rao	29	Power Systems and Automation, Distributed Generations, BLDC Motors, SRM Drives, Electrical Vehicles	03	08
Prof.K. Rama Sudha	29	Artificial Intelligence, Internet of Things, Fuzzy Systems	06	19
Prof.P. Mallikarjuna Rao	26+1*	Machines and Control Engineering	08	12
Prof.T. R. Jyothsna	22+4*	Power System Dynamics and Stability, Renewable Energy, Power Electronic Devices and Controllers, Application of Power Electronic Devices to Power Systems, Microgrids	02	08
Prof.Ch. V V S. Bhaskar Reddy	26	Electrical Power Systems, Synchrophasor applications, Distribution Systems, Real-time applications	02	02
Prof.N. Prema Kumar	22	AI, Renewable Sources, Distribution Systems	03	07
Prof.M. Gopichand Naik	19	HVDC, Renewable Sources, Power Systems	01	02
Associate Professors				
Dr.K. Padma	17	Microgrid, Optimization Techniques, IoT	01	03
Dr.R. Srinu Naik	17	FACTS, Transmission and Distribution Systems	04	07
Dr.B. Amarendra Reddy	22	Control Theory and Applications, Fuzzy Control, Control of Multi-Input DC_DC Converters. Modeling And Control , Sliding Mode Control	01	01

* Industrial Experience

Faculty Information (Contd..,)

Name of the Faculty	Experience	Area of Research
HONORARY PROFESSOR		
Sri. G. Bhimeshwar Rao	02+25*	Power Systems Operation and Control
Assistant Professor (C)		
Dr. K Aravinda Shilpa	11	Power and Industrial Drives
Dr M Divya	11	Power Systems , Renewable Energy, Power Electronics
Dr. M Revathi	11	Power Electronics Drives and Control

* Industrial Experience

Power Systems and Automation

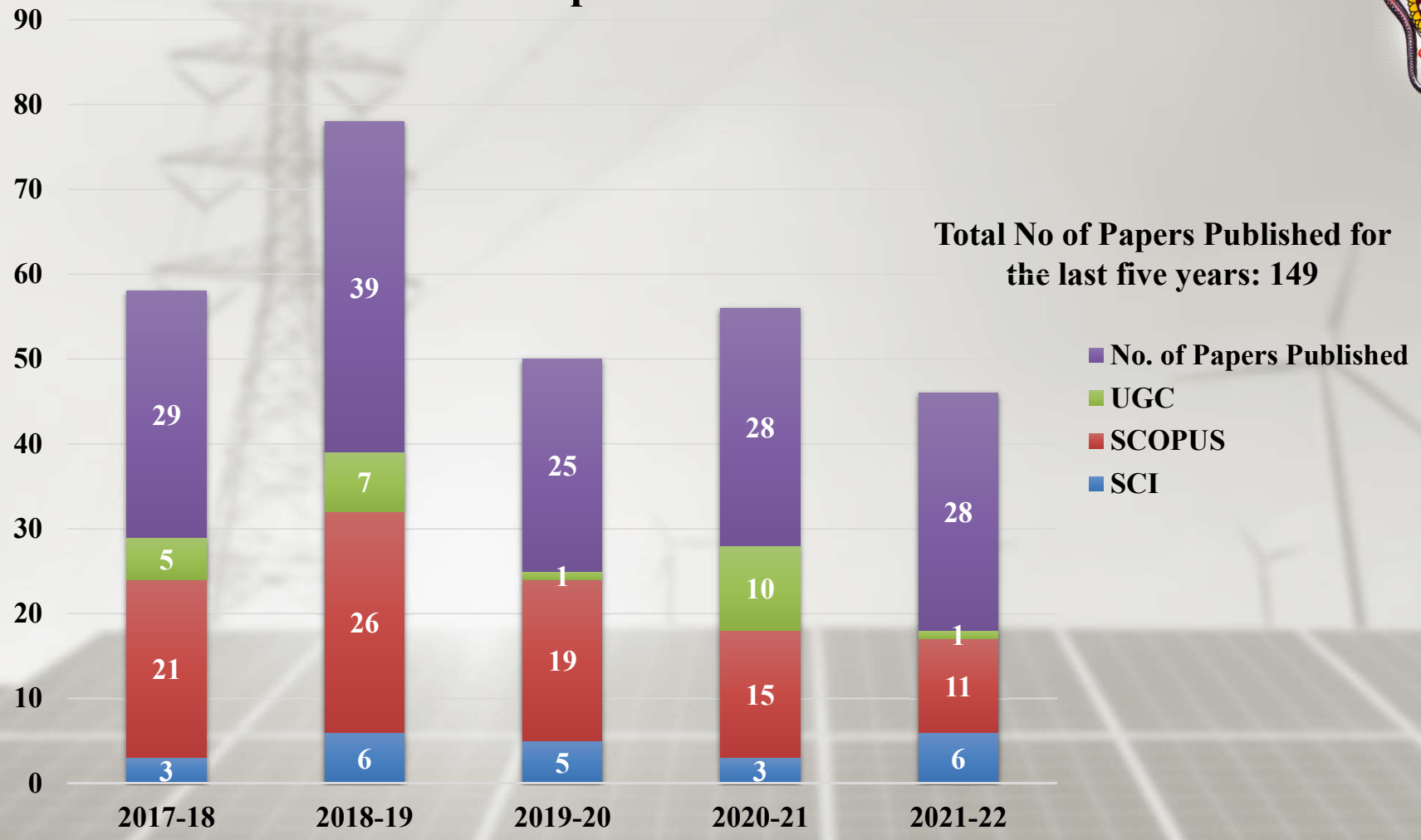
Ph.Ds- 29
Papers Published- 110
Research Projects-06
Consultancy Works- 02
Mentors for Start Ups-01
Awards-10

Research Groups

Control Systems Engineering

Ph.Ds- 09
Papers Published- 39
Research Projects-02
Consultancy Works- 02
Mentors for Start Ups-01
Awards-01

Papers Published



Total No of Papers Published for the last five years: 149

H Index


18
16
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Prof.K. Vaisakh
Prof.G. V. Siva Krishna Rao
Prof.K. Rama Sudha
Prof.P. Mallikarjuna Rao
Prof.T. R. Jyothsna
Prof.Ch. V V S. Bhaskar Reddy
Prof.N. Prema Kumar
Prof.M. Gopichand Naik
Dr.K. Padma
Dr.R. Srinu Naik
Dr.B. Amarendra Reddy
Dr. K Aravinda Shilpa
Dr M Divya
Dr. M Revathi

Research Projects Completed

S.No	Name of the Investigator	Project No	Funding Agency	Title of the project and duration
1	Prof.K. Vaisakh	CRG/2018/0002041	SERB-CRG	Seamless Transition Of Interconnected And Islanded Operation of Dc Microgrid Using Hybrid PV Fuel Cell System, March 2019 to March 2022
2	Prof. K. Vaisakh	TAR/2018/000390	SERB-TARE	Smart Grid Security Control Using Nature-Inspired Decentralised Cooperative Metaheuristic Strategies, March 2019 to March 2022
3	Prof. K. Rama Sudha	8-194/RIFD/RPS(POLICY)/2018-19	AICTE	Implementation of Fuzzy Logic Power System Stabilizer: A Systematic Approach January 2010 to March 2013
4.	Prof. K. Rama Sudha	8-194/RIFD/RPS(POLICY)/2018-19	AICTE	A Location-Dependent Data Encryption for Mobile Information System January 2010 to March 2013
5.	Prof. K. Rama Sudha	8-194/RIFD/RPS(POLICY)/2018-19	AICTE	Development and implementation of Type-2 fuzzy logic system for interconnected power systems for load frequency control: A systematic approach.

Research Projects Completed (Contd..,)

S.No	Name of the Investigator	Project No	Funding Agency	Title of the project and duration
6.	Prof. K. Rama Sudha	SEED MONEY GRANT/ 2019	AU	Development & Verification of a Novel State Flow- Based Maximum Power Point Controller for Photovoltaic System by Rapid Control Prototyping
7.	Prof. P. Mallikarjuna Rao	APSECM 01/21	APSEEDCO	Design and Development of Energy efficient water pumping system using BLDC technology 2021-2023
8.	Prof. P. Mallikarjuna Rao	SEED MONEY GRANT/ 2020	AU	Critical Analysis and Design of High power PM synchronous motor

Research Projects Ongoing

S.No	Name of the Investigator	Project No.	Funding Agency	Title of the project and duration	
1	Prof. P. Mallikarjuna Rao	2020/11666	Bharat Atomic Research Center	Design and Testing of Electrical Magnetic Welding 2020-2022	

Consultancy Works

Name of the consultant	Name of consultancy project	Consulting/Sponsoring agency with contact details	Year
Prof. P. Mallikarjuna Rao	Third Party Quality Control	CPWD	2018
Prof. P. Mallikarjuna Rao	Vetting of Drawing	DGNP	2023
Prof. P. Mallikarjuna Rao	Design Based report of IIPE	CPWD	2023
Prof.Ch V V S Bhaskara Reddy	Environmental and Social Impact Assessment of the Power for All (24X7) scheme of APSPDCL funded by World Bank	APSPDCL & APEPDCL	2020
Dr. R. Srinu Naik	Earthinig For Hangers	Ins Kalinga	2020

Patents

S.No	Year	Patents
1	2019-2020	4
2	2020-2021	7
3	2021-2022	11
	Total	22

A LOW COST PORTABLE EARTH DETECTING SAFETY PLUG POINT

1.Dr.K.VAISAKH 2 . Dr. PASALA GOPI 3 . Dr.P.SATHEESH KUMAR 4 . Dr. THANIKANTI SUDHAKAR BABU 5 . Mr. KARTHIK BALASUBRAMANIAN 6 . Dr. SURESH SRINIVASAN

Patent No. 202141006933 Engineering and Technology Published

Filed 2021-02-19 Published 2021-02-26

SYSTEM AND A METHOD FOR AN INTELLIGENT/AUTOMATIC TUNING OF POWER CONVERTER OF ELECTRIC VEHICLE FOR CHARGING THE BATTERY THEREOF

1 . Dr.K.VAISAKH 2 . Dr. M. PADMA LALITHA 3 . Dr.P.BALACHENNAIAH 4 . Dr. K. AMARESH 5 . S. MUQTHIAR ALI 6 . Dr.S.JEYASUDHA

Patent No. 202041055437 Engineering and Technology Published

Filed 2020-12-21 Published 2020-12-25

Intelligent Hybrid Implementation of EV and Smart Grid Charging Station

U R Sankar Yalavarthy, Venkata Siva Krishna Rao Gadi

Patent No. 1 Engineering and Technology Published

Filed 2021-10-19 Published 2021-10-29

Floating Solar Analysis with Electrolyzer and Fuel Cell an Efficient Analysis Using Mayfly Algorithm

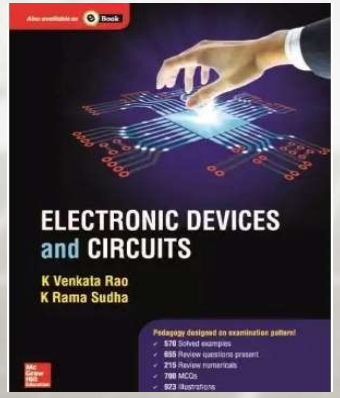
Arava Madhu Babu, Dr. G.V. Siva Krishna Rao

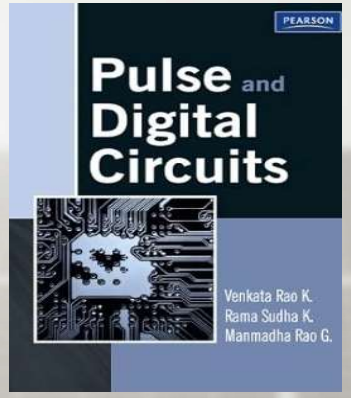
Patent No. 2 Engineering and Technology Published

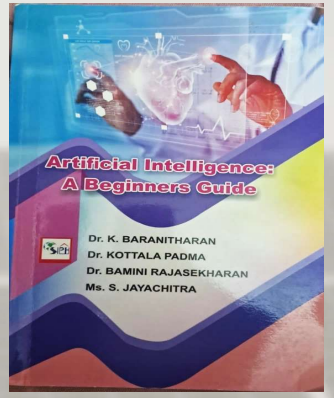
Filed 2021-11-16 Published 2021-12-03

Books authored by the faculty

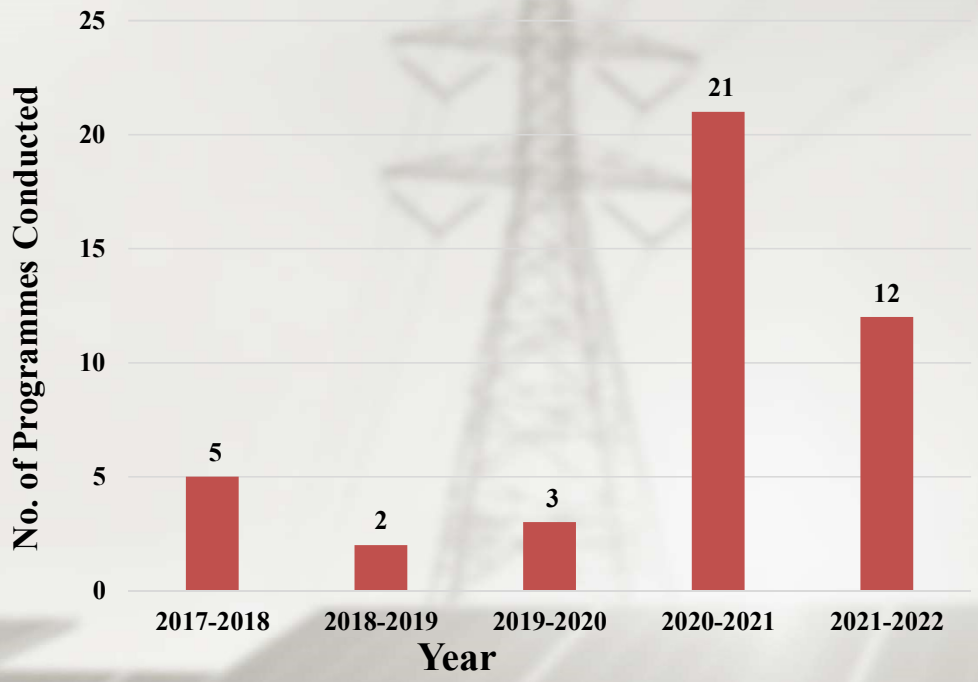
S. No	Name of the Faculty	Title
1.	Prof. K. Vaisakh	1. Elements of Electrical Machines School of Distance Education, Andhra University 2. Power System Analysis and Stability School of Distance Education, Andhra University
2.	Prof. K. Rama Sudha	3. Electronic Devices and Circuits
		4. Pulse and Digital Circuits
3.	Dr. K. Padma	5. Artificial Intelligence: A Beginners Guide



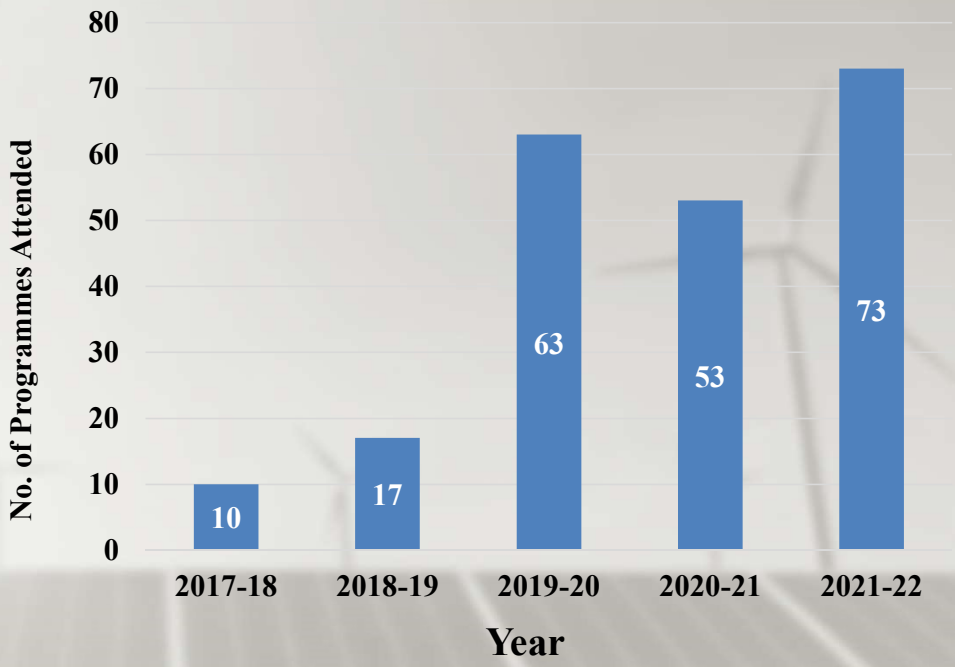




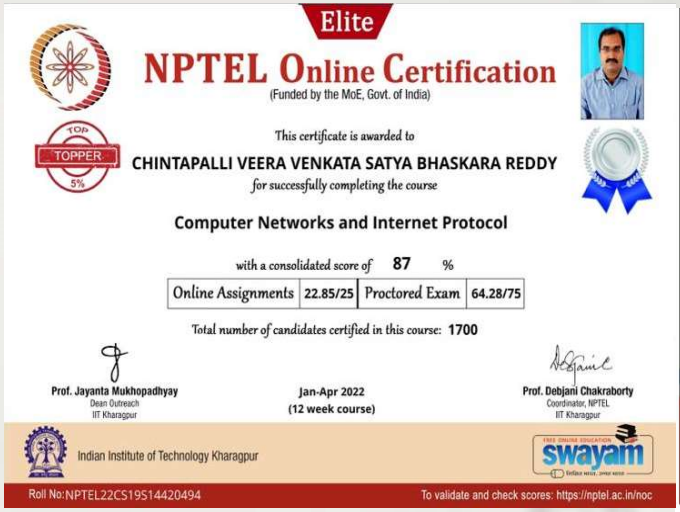
Workshop/Seminar/Conferences/Training Programmes Attended & Conducted



Total No of Programmes Conducted for the last five years: 43



Total No of Programmes Attended for the last five years: 216



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)

This certificate is awarded to

CHINTAPALLI VEERA VENKATA SATYA BHASKARA REDDY

for successfully completing the course

Computer Networks and Internet Protocol

with a consolidated score of 87 %

Online Assignments	22.85/25	Proctored Exam	64.28/75

Total number of candidates certified in this course: 1700

Prof. Jayanta Mukhopadhyay
Dean Outreach
IIT Kharagpur

Jan-Apr 2022
(12 week course)

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

Roll No:NPTEL22CS19S14420494

To validate and check scores: https://nptel.ac.in/noc

Certificate of Participation

This is to certify that Prof./Dr./Mr./Mrs./Ms.

Dr. K. Padma

has participated in All India Council for Technical Education(AICTE) sponsored One-week Online Short-Term Training Program (STTP) on " Mastering Self-Motivation and Attitude - Art of Living ", Phase-III during 14th -18th February 2022 organized by Department of Electrical Engineering , A.U College of Engineering (A), Andhra University.

Prof.P.Malikarjun Rao
Chairperson

Prof. K. Rama Sudha
Coordinator

ICERTT-2K21

" Innovation, Engineering Research & Technology Transfer for Societal

BULE HORA UNIVERSITY
College of Engineering and Technology
"We strive for Excellence"

CERTIFICATE OF PRESENTATION

This is to certify that

Dr. K. Padma

has successfully presented a paper entitled

A hierarchical multi agent based coordinated control for the interoperable microgrids cluster at urban community

1st International Conference on Engineering Research and Technology Transfer
Organized by College of Engineering and Technology

Chala Wata Beeko (PhD.)
President
BULE HORA UNIVERSITY
PRESIDENT

Gemi Boru Godana (PhD.)
Research and Community Service Vice President
BULE HORA UNIVERSITY
RESEARCH AND COMMUNITY SERVICE
V/ PRESIDENT

BULE HORA UNIVERSITY
COLLEGE OF ENGINEERING AND TECHNOLOGY
DEAN

Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)

This certificate is awarded to

JYOTHSNA RADHAKRISHNAN TUMMALA

for successfully completing the course

Electric Vehicles - Part 1

with a consolidated score of 62 %

Online Assignments	24.17/25	Proctored Exam	37.5/75

Total number of candidates certified in this course: 569

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Feb-Mar 2022
(4 week course)

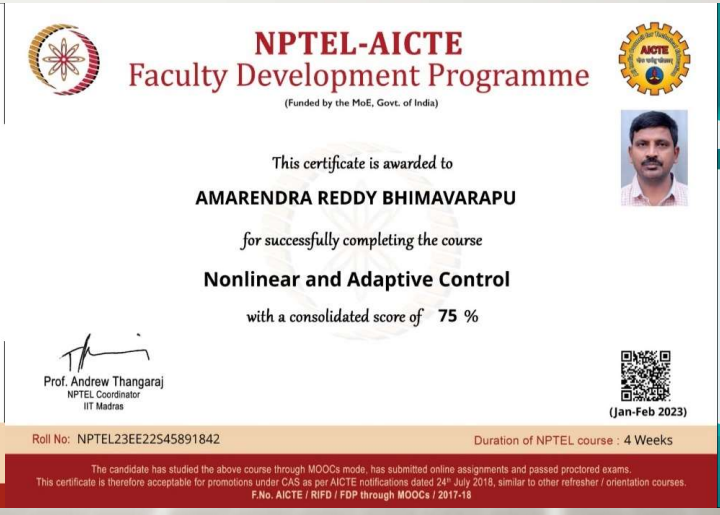
Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras

Indian Institute of Technology Madras

swayam

Roll No:NPTEL22EE53S34420470

To validate and check scores: https://nptel.ac.in/noc



NPTEL-AICTE
Faculty Development Programme

(Funded by the MoE, Govt. of India)

This certificate is awarded to

AMARENDRA REDDY BHIMAVARAPU

for successfully completing the course

Nonlinear and Adaptive Control

with a consolidated score of 75 %

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

(Jan-Feb 2023)

Roll No: NPTEL23EE22S45891842

Duration of NPTEL course : 4 Weeks

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams.
This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 24th July 2018, similar to other refresher / orientation courses.
F.No. AICTE / RIFD / FDP through MOOCs / 2017-18

Second International Conference on
Advances in Electrical and Computer Technologies 2020 (ICAECT 2020)
12 - 13, June 2020 | Coimbatore, India | www.icaect.co.in

CERTIFICATE

Publication Partner
Springer

SPEE 1017
Peer Reviewed

This certificate is presented to

BHIMAVARAPU AMARENDRA REDDY
Asst. Professor, Department of Electrical Engineering,
Andhra University, Visakhapatnam,
India.

for presenting the research paper entitled "Second order sliding mode control for second order process with delay time using different control algorithms" in the Second International Conference on Advances in Electrical and Computer Technologies 2020 (ICAECT 2020) held at The Hotel Aloft, Coimbatore, Tamil Nadu, India during 12 - 13, June 2020.

Dr. Thangaprakash Sengodan
Conference Chair

ICAECT

Industry Partner
DILIGENTEC SOLUTIONS

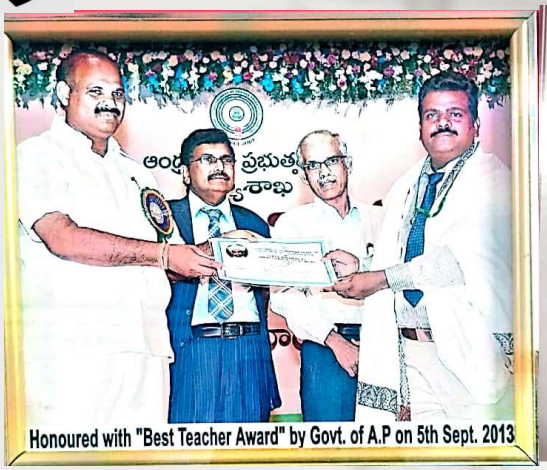
Faculty Administrative Positions

- Head of the Department
- Governing Body Member (BOG)
- AICTE and UGC Committee members
- Dean
- Board of studies
- Principal
- Board members for research organizations
- Honorary Director
- State Government Convener for various entrance Examaninations
- Co-ordinator for various commites
- Nodal officer for Various programmes

Awards and Achievements

S. No.	Name of the Awards	Name of the Awardee	Name of the Awarding Agency	Year
1	Best Academic Administrater Award	Prof. K. Vaisakh	Govt. of Pondicherry	2017
2	International Best Senior Faculty Award	Prof. K. Vaisakh	IACRD	2018
3	Education Leadership Award	Prof.K. Vaisakh	Visakhapatnam Education Leadership Award-2018	2018
4	100 Most Dedicated Professors	Prof.K. Vaisakh	World Education Congress	2019
5	Dr. Sarvepalli Radha Krishna Award Best Academician of the year	Prof . K. Rama Sudha	Andhra University	2022
6	Best Teacher Award	Prof .K. Rama Sudha	State Government of Andhra Pradesh	2023
7	Best Paper Award	Prof .K. Rama Sudha	IIT BHU	2020
8	Best Paper Award	Prof .Ch.V.V.S Bhaskara Reddy	Springer and NIT Jamshedpur	2020
9	Best Woman Faculty Award	Dr.K.Padma	Novel Research Academy	2020
10	Global Teacher Award	Dr.K.Padma	AKS Awards	2020
11	Best Paper Award-UPCON	Dr. B. Amarendra Reddy	IIT BHU	2017

Awards and Achievements (Count..,)



SUPPORTING STAFF (ADMINISTRATIVE & TECHNICAL)

S.No.	Designation	Number
1.	Junior Assistant	1
2.	Record Assistant	2
3.	Attender	3

S. No.	Designation	Number
1.	Foreman	1
2.	Senior Mechanic	1
3.	Mechanic	3
4.	Helpers	2

SUPPORTING STAFF AWARDS

S.No.	Name of the Employee	Name of the Award
1	M. V. Ramana	Best Employee 2016
2	B. Manga Raju	Best Employee 2018
3	K. Venkayamma	Best Employee 2019
4	K. Kiran Kumar	Best Employee 2019


ANDHRA UNIVERSITY

CERTIFICATE OF MERIT

Sri **K.Kiran Kumar**, Senior Mechanic, E.No.4414, Department of Electrical Engineering, Andhra University College of Engineering (A) has been selected as ***"THE BEST EMPLOYEE"*** for the year 2018-2019. This Certificate is issued in recognition of his services and awarded on this day 2nd October, 2019 on the occasion of 150th Gandhi Jayanthi Celebrations.

Prof. V. KRISHNA MOHAN
Registrar

Prof. P.V.G.D. PRASAD REDDY
Vice-Chancellor


ANDHRA UNIVERSITY

CERTIFICATE OF MERIT

Smt. **K.Venkayamma**, Attender, E.No.3834, Dept. of Electrical Engineering, College of Engineering (A), Andhra University has been selected as ***"THE BEST EMPLOYEE"*** for the year 2016-2017. This Certificate is issued in recognition of her services and awarded on 15-08-2017, the 71st Independence Day of India.

Prof. V.UMA MAHESWARA RAO
Registrar

Prof. G.NAGESWARA RAO
Vice-Chancellor


ANDHRA UNIVERSITY

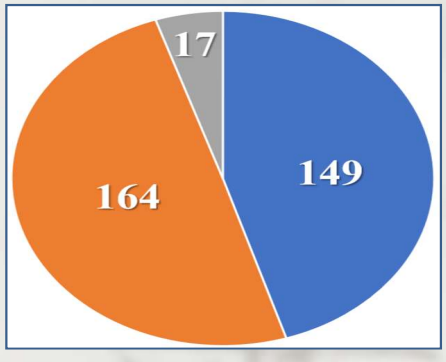
CERTIFICATE OF MERIT

Sri **M.V.Ramana**, Helper on Minimum Time Scale, E.No.8002, Department of Electrical Engineering, Andhra University College of Engineering has been selected as ***"THE BEST EMPLOYEE"*** for the year 2015-2016. This Certificate is issued in recognition of his services and awarded on 15-08-2016, the 70th Independence Day of India.

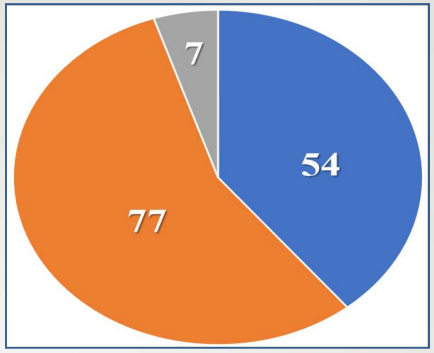
Prof. V.UMA MAHESWARA RAO
Registrar

Prof. G.NAGESWARA RAO
Vice-Chancellor

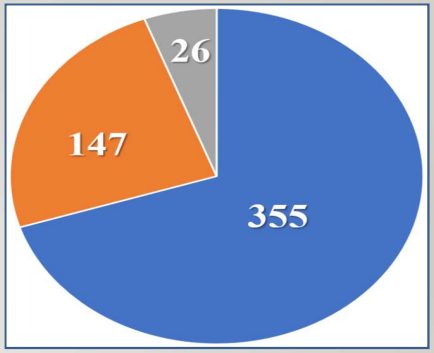
Feedback for Curriculum Collected and Analysed Report



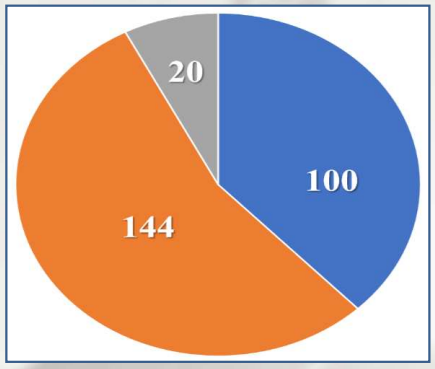
Student Feedback



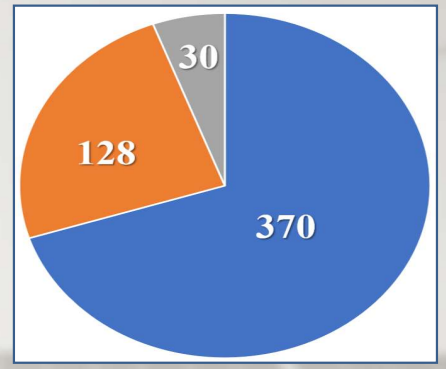
Parent Feedback



Industry feedback



Alumni Feedback



Faculty Feedback

Active Feedback is in place

- Collecting feedback from all stakeholders
- Analyzing it
- Identifying and drawing significant indicators to enhance the learning effectiveness.

Courses offered & Electives/ MOOCS Courses

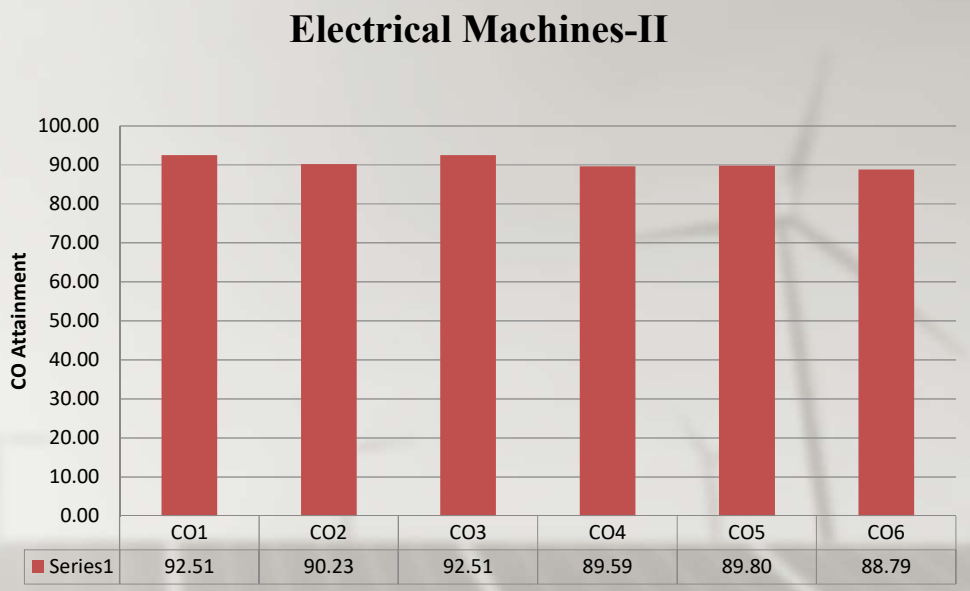
CO's

CBCS/AICTE/APSCHE/OBE Scheme

Programme Code	Programme Name	Status of implementation of CBCS / elective course system (Yes/ No)	Year of implementation of CBCS / elective course system	Year of revision
3-1-14	B.Tech	Yes	2015-2016	2019-20 2020-21 2021-22
3-2-27	M.Tech (Power Systems and Automation)	Yes	2018-2019	2019-20
3-2-26	M.Tech (Control Systems Engineering)	Yes	2018-2019	2019-20

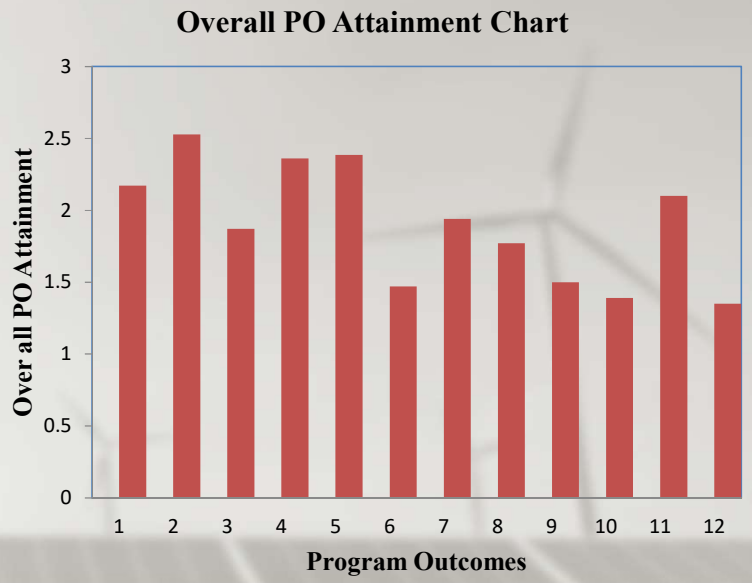
CO mapping for course: Electrical Machines-II

Final CO Calculation			
Course Outcomes	**Overall CO Attainment without Indirect Assessment**	**Overall CO Attainment with Indirect Assessment**	**Level Attained 1/2/3**
CO1	91.43	92.51	3
CO2	88.57	90.23	3
CO3	91.43	92.51	3
CO4	88.57	89.59	3
CO5	88.57	89.80	3
CO6	87.14	88.79	3
Final CO attainment of Electrical Machines-II			3



Overall PO attainment (2019-20 batch)

POs	Direct Attainment	Indirect Attainment	Direct Attainment (80%)	Indirect Attainment (20%)	Overall PO attainment
PO1	2.03	2.75	1.62	0.55	2.17
PO2	2.47	2.75	1.98	0.55	2.53
PO3	1.65	2.75	1.32	0.55	1.87
PO4	2.26	2.75	1.81	0.55	2.36
PO5	2.29	2.75	1.84	0.55	2.39
PO6	1.21	2.50	0.97	0.5	1.47
PO7	1.80	2.50	1.44	0.5	1.94
PO8	1.50	2.85	1.20	0.57	1.77
PO9	1.19	2.75	0.95	0.55	1.50
PO10	1.06	2.70	0.85	0.54	1.39
PO11	2.00	2.50	1.60	0.5	2.10
PO12	1.06	2.50	0.85	0.5	1.35



Demand Ratio

Programme Name	Items	2017-18	2018-19	2019-20	2020-21	2021-22	Average Demand Ratio
B.Tech (EEE)	No. Of Seats Sanctioned	40	40	50	40	40	3252
	Eligible Students	145428	132281	133003	133072	133072	
	Demand Ratio	3636	3308	2661	3327	3327	
M.Tech (PSA)	No. Of Seats Sanctioned	18	18	18	18	18	1005
	Eligible Students	26677	2381	20986	20165	20165	
	Demand Ratio	1482	133	1166	1121	1121	
M.Tech (CSE)	No. Of Seats Sanctioned	18	18	18	18	18	1005
	Eligible Students	2667	2381	20986	20165	20165	
	Demand Ratio	1482	133	1166	1121	1121	

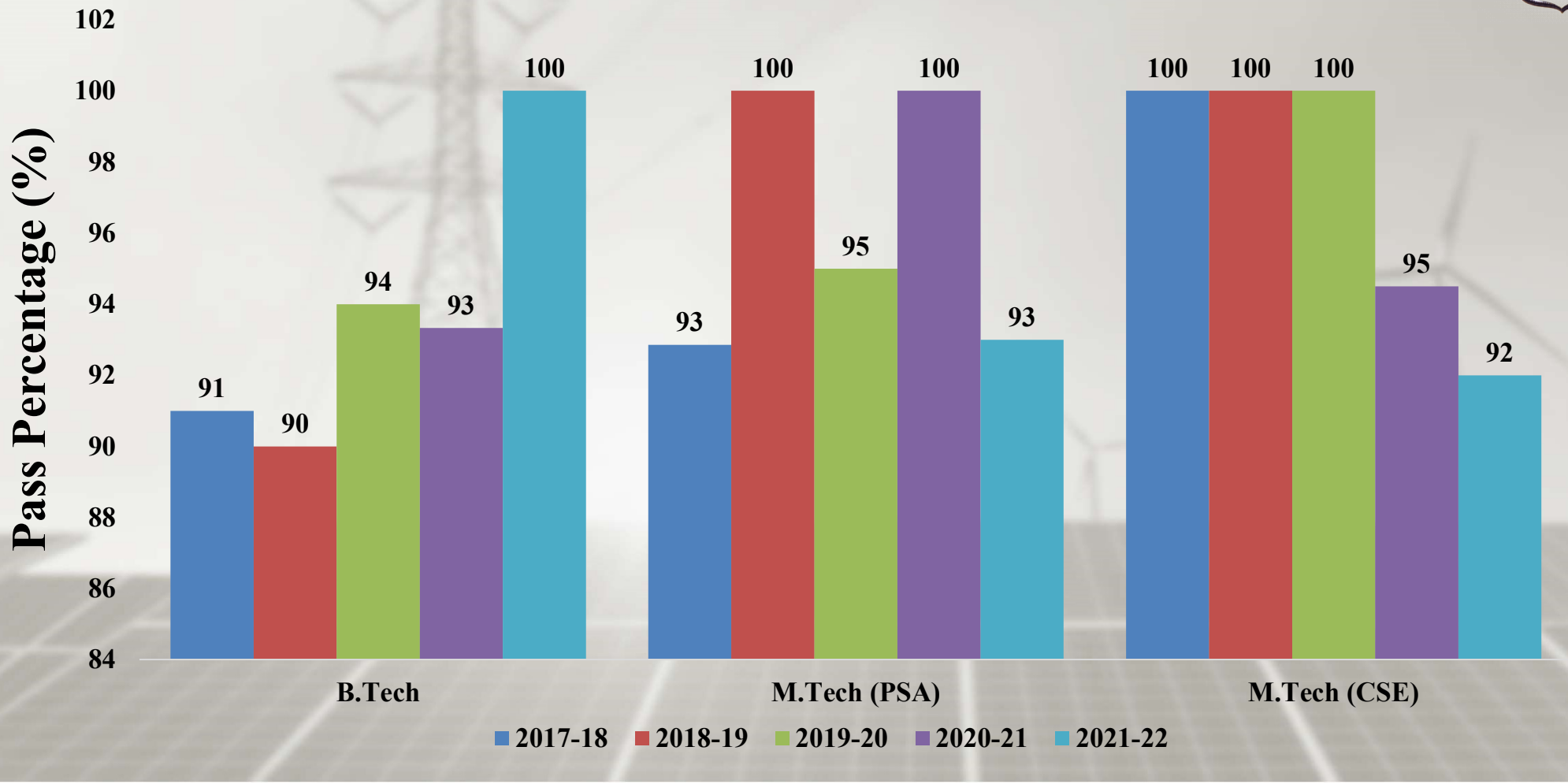
Faculty to Student Ratio

Number of Students					
Course Name	**2017-18**	**2018-19**	**2019-20**	**2020-21**	**2021-22**
B. Tech Electrical Engineering	210	210	220	220	220
M. Tech Power System and Automation	36	36	36	36	36
M. Tech Control System Engineering	36	36	36	36	36
Total No. of Students	282	282	292	292	292
No. of Faculty	28	28	28	27	26
Faculty- Student Ratio	1:10	1:10	1:10	1:10	1:11

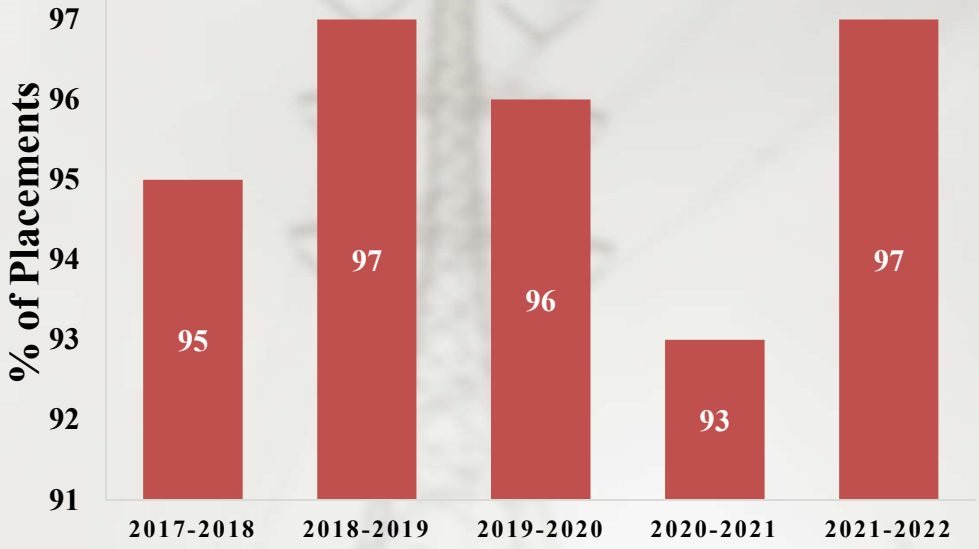
Average Faculty –Student Ratio : 1:10

Average Mentor –Mentee Ratio : 1:10

Result Analysis



Placement Details



Awards to Students

Year	Name of the award/medal	Team/Individual	Inter University/State/ National/International	Name of event	Name of Student
2017-2018	Winner In Badminton	Individual	Andhra University	Department games	B Parthasashank
2018-2019	Winners Badminton (Mixed Doubles)	Team	Andhra University	Department games	D N S Keerthi V A S Rahul
	Topper In EEE	Individual	Andhra University	Department Day Celebration	A H Suma Sree
	Best Essay Award	Individual	The Institute Of Engineers	Engineers Day Celebration	B Mouni Madhuri
	Best Essay Award	Individual	The Institute Of Engineers	Engineers Day Celebration	P Mounika
	Inter University (Cricket)	Team	Andhra University	National University Games	P. Vandana
	Gold Medal in Rifle Shooting	Individual	National Level	Thal Sainik Camp	D. Manisha
2019-2020	Topper In EEE	Individual	Andhra University	Dept. Annual Award	S S L Saraswati
2021-2022	Topper In EEE	Individual	Andhra University	Dr. R. Vijaya Santhi Memorial Award	T. Naresh Reddy

Up Skilling Programmes

S.No.	Name of the Programme	No. of Students Participated
1.	Database Administration Fundamentals	86
2.	Introduction to Python Fundamentals	103
3.	Azure AI Fundamentals	83
4.	Azure Fundamentals	83

NEWS Letters

THE ELECTRIC TIMES

A Publication of The Department of Electrical Engineering, AUCE(A) Andhra University

Volume - 1| MAY - 14 - 2022

" It is a great privilege and honor to be a part of the mission to make "Andhra University" a name to reckon within the academic fraternity by giving a strong impetus to creating an environment of knowledge, application, and holistically inspiring youth to become leaders of tomorrow. I believe that the rigors of the contemporary world will require knowledgeable professionals who could withstand the dynamics of the fast-changing world. Hence "Making a Difference in the Life of Every Student" is the Priority of my administration. We look forward to a deep engagement with Students, Industry, Faculty, and Community to position Andhra university as the national leader in delivering value to its students and offering a transformative educational and life experience."

Prof. P.V.G.D. Prasad Reddy

Vice Chancellor

" Andhra University College of Engineering (A) has emerged as the Technological destination for the student community of the rising State of Andhra Pradesh.

Me, after taking charge as Principal, has belief in the "Learn-Create-Compete" Philosophy leading to the escalation of the plane of all its stake holders. In the dimensions of learning mission of the students, the best of the infrastructure such as class room modernization, upkeep of the laboratories with state of the art equipment/machinery, the institution is forwarding . The curriculum of all the programs has been designed on par with any other National level Technical Institutions. The directives of the AICTE are being considered in the curriculum design. Road map has been laid to secure the accreditation of the programs by NBA with the highest rank. The institutional culture is being driven towards student centric learning. The avenues for the students are enhanced by providing extensive Campus Recruitment Training and special classes for GATE as well. It is made encouraging that Under Graduate/Post Graduate students are utilizing the Skill Development Courses of the Centre of Excellence."

Prof. P.Srinivasa Rao

Principal

DEPARTMENT OF ELECTRICAL ENGINEERING

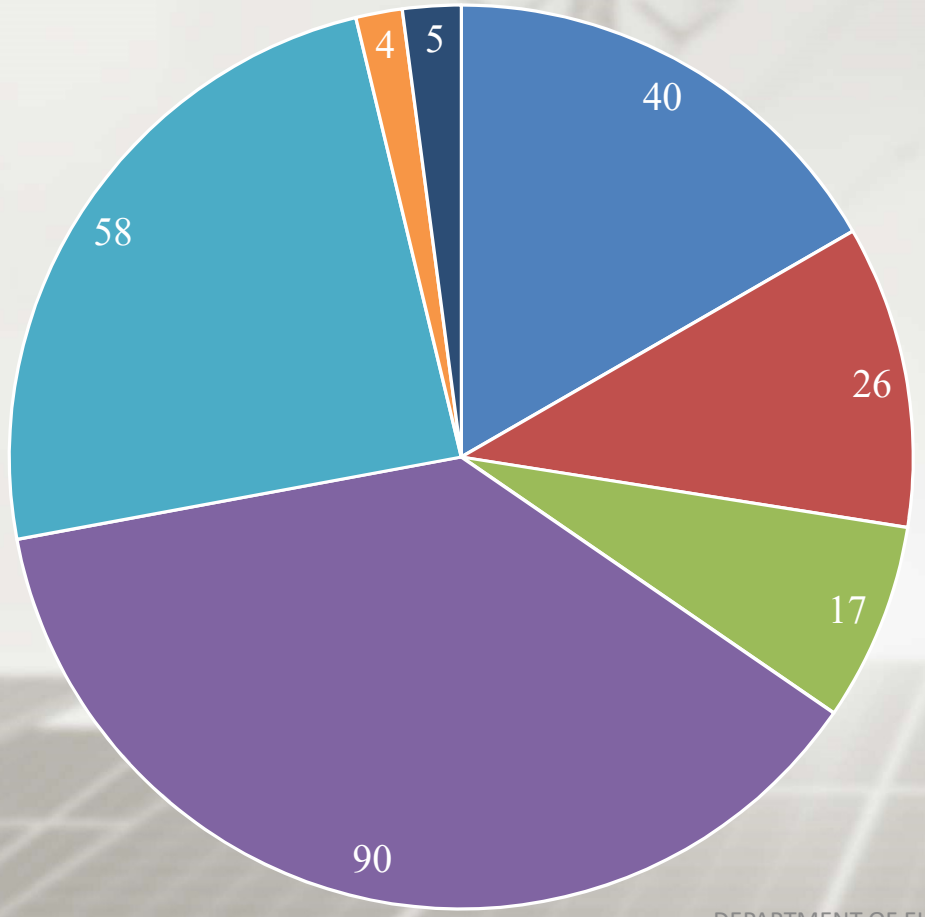
The Department of Electrical Engineering has been started in 1955 as one of the three constituents of the Department of Engineering in Andhra University. The status of a Department was given in 1969. The department has grown significantly and currently offers a UG program in Electrical and Electronics Engineering and PG programs in Power Systems & Automation and Control Systems Engineering.

Industrial Visit

ALUMNI ACTIVITIES

Renovation of Seminar Hall by 1976-81 batch	**: Rs.1.76 Lakhs**
Donations for development of New Conference hall cum Computing Lab by 1981-84 batch	**: Rs.5.59 Lakhs**
B.V. Nageswara Rao, Business Chairman GMR Group sponsored for construction of First Floor PG wing in Memory of his Parents	**: Rs.11 Lakhs**
Knowledge Sharing events by Alumni	**: Around 250**

Interactive Sessions with Prominent Personalities (Industries & Various Fields) Around the Globe:



- Founder/ Co-Founder/ Chairman/ Vice-Chairman/ Managing Director
- CEO/ CTO/ COO/ CDO/ CMO/ CIO
- IAS/ IPS/ IRS/ IFS/ ILS/ IIS/ IES
- Vice-President/ Head of Engineernig/ Technology/ Directors
- CGM/ GM/ Principal/ Development/ R&D Engineers/ Architect/ Manager
- Former Governer (RBI)/ Central Minister/ Justice
- Scientists

Infrastructure

S. No.	Academic Facility	Area in m^2
1.	Lecture Halls	311
2.	Laboratories	1176
3.	Seminar hall- 2No's	376
4.	Library	63
5.	HOD, Faculty & others	1000
6.	New First Floor building	930
	Total Built up Area	3866

Class Rooms

UG class Rooms

UG Room No:123

UG Room No:124

UG Room No:125

PG Class Rooms

PG Room:GF1

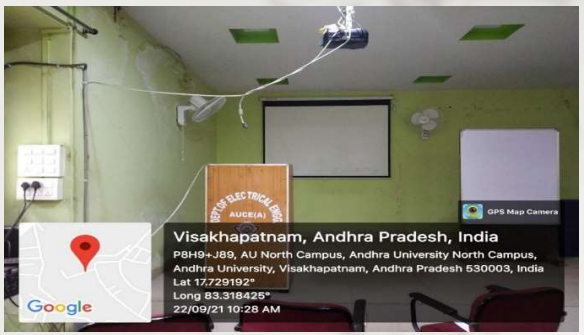
PG Room:GF2

Seminar Halls

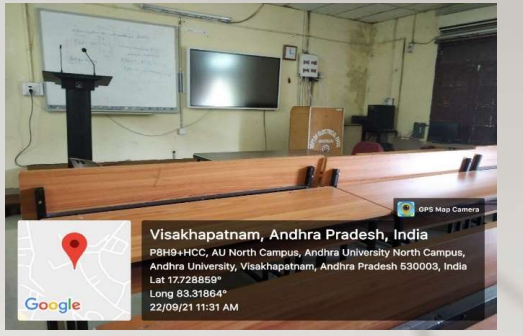
Two Seminar hall with a capacity to accommodate 200 members each

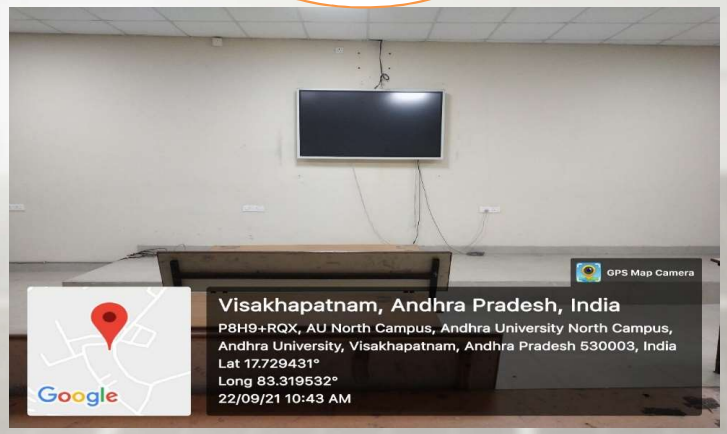
Computing Equipment /Smart Boards

Projector, Wi-Fi / LAN, Audio, Video Recording facilities



Around 52 Systems,
02 Laptops,
10 Digital Screens
Printers & Coping Machines,
02 PA Systems





Power Backup Sources-Two 63kVA Generators

Wind Turbine

Generating Capacity of both
Renewable Energies
10 kVA

Solar Panels

Research and Development Resources

Laboratories at a glance

Control Systems

Measurements

Networks

Machines I & II

Power Electronics

Power Electronics Drives

Research and Development Resources (Contd..,)

Laboratories at a glance

MPMC

PLC

Energy Systems

dSPACE

Permanent Magnet Brushless DC motor

Wind Emulator and DC-DC Converters

Research and Development Resources (Contd..,)

In addition to Regular Academic Process Research facilities provided to the students

Software
MATLAB
Sci lab
PSIM
LABVIEW
J-MAG
KEIL
Proteus
SAM
ECAD
Python

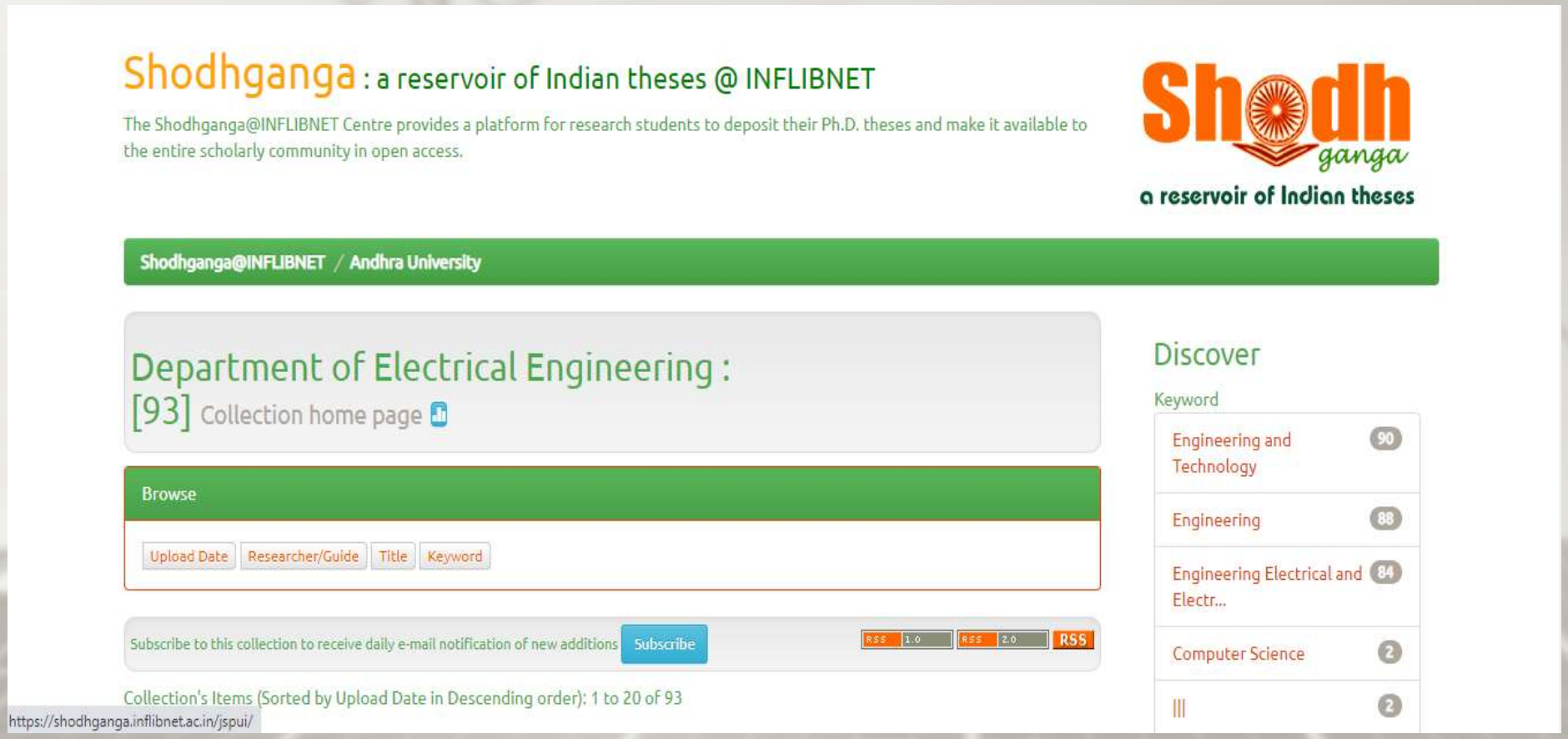
Hardware
DFIG
WIND Emulator
Transmission Line Model
Twin Rotor MIMO System
Magnetic Levitation System
Programmable Logic Controller
dSPACE
Solar Power System
Wind Generator Power System
Solar Inverter with MPPT

Department Library Books

S.No	Subject/ Category	No. of Books
1	Artificial Intelligence	24
2	CAD CAM Robotics	42
3	Control Systems	176
4	Computer Science	217
5	Digital Electronics and Microprocessors	71
6	Electronics	134
7	Power Systems	241
8	Power Electronics	58
9	Electrical Machines	108

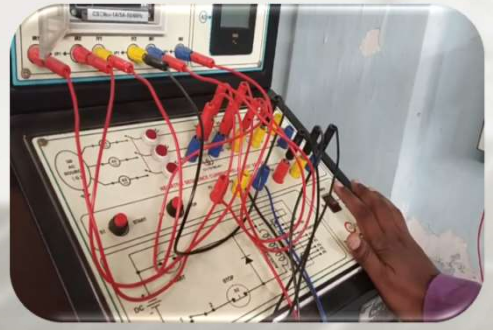
S.No	Subject/ Category	No. of Books
10	Electro Magnetic Field Theory	47
11	Electrical Technology	137
12	General	76
13	Maths, Physics and Chemistry	60
14	Network Theory	94
15	Operation Research	37
16	Electrical Lab	1
17	Engineering Drawing	1
18	Research Methodology	1
	Total	1525

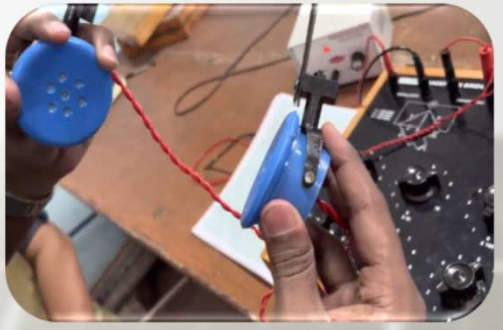
DEPARTMENT LIBRARY (Contd..,)



E-Content Development (inhouse)

DC Machines
Signal and Systems
Digital Logic Design
Measurements Lab
Machines Lab
Power Systems-I Lab
Power Systems – II Lab





1. Interactive Sessions (241) with Eminent Personalities

Mr. Ravi Nemalikanti ,
Chief Technology Officer,
Digital Banking, NCR Corporation, USA

Mr. Divakar Tantravahi ,
Chairman & CEO, Innominds Software, USA

Dr. Radha Krishna Vishnumolakala
Soft Skill Trainer & Business Coach

Outcomes

I.First Floor of Department Building **Area: 10,000 Sq.ft**
Amount: Rs.2.00Cr

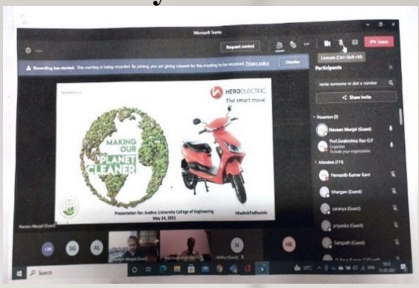
Sponsored & Constructed by : **Mrs.P.V.Sudha Krishna Reddy**
Director , MEIL, Hyderabad

Prof. G V Siva Krishna Rao the then Head is instrumental in the project

II. Students Placements

III. Student Internships

Mr. Sudhakar Palisetti,
Founder & Chief Executive Officer,
Cerium Systems Pvt. Ltd



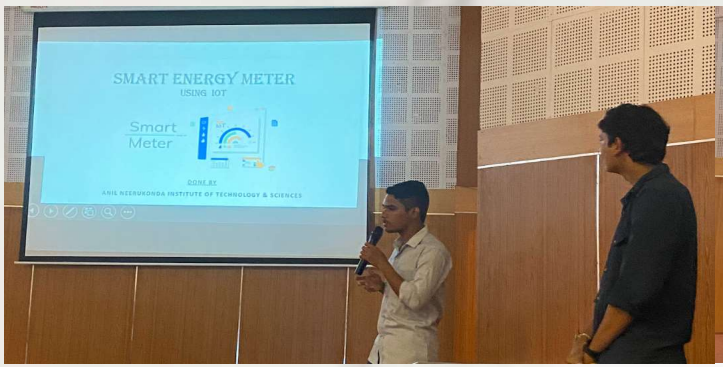
Mr. Naveen Munjal,
Managing Director,
Hero Electric Vehicles, India

Mr. Inaganti Srinivasa Rao,
Vice President,Technip Energies

2. Promoting Start-Up Culture

I. AY 2023-24 is being observed as **START UP YEAR FOR ELECTRICAL ENGINEERS**

As part first phase of pitching session held on 31-08-2023
No of start ups participated: 46
No of start ups elevated to next level : 13



II. Nominated Innovations

Nominated for a Zonal Innovation Challenge “YUKTI Innovation Challenge 2023”

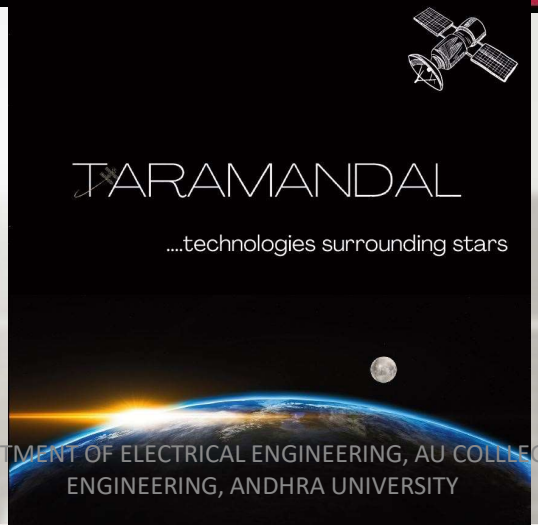
Title: “Graphical, Hierarchical and Orthogonal Maximum Power Point Tracking State Charts for Photovoltaic System."

Team Leader: Prof. K. Rama Sudha

Team member: Ms. Venkat Pankaj Lahari Molletinthi

III. Start-Ups at a-Hub TARAMANDAL

TARAMANDAL titled as best emerging Start Up 2023 by HeadStart India



TARAMANDAL is winner of NIDHI-PRAYAS Scheme and working with Paris Peace Forum (4th from INDIA)


Energy Services
National Events
Anti- Ragging
Green Campus
Institution values and Social responsibilities
Gender Sensitization
Disable friendly environment
Waste Management
Water conservation
GPS Map Camera
Visakhapatnam, Andhra Pradesh, India
ELECTRICAL ENGINEERING
Ragging is Prohibited


Capacity Enhancement of Students towards becoming Employers
Capacity Enhancement of Department faculty to become partners in indigenization through R & D
Progressive Plan

Thank you