

Department of Electrical and Electronics Engineering

BOOK/BOOK CHAPTER PUBLICATIONS FOR CAY 2024-2025

S. No	Title of the Book	Name of the Author(s)	Name of the Publisher	ISBN	Month and Year of publication
1	Fundamentals of Renewable Energy Sources	Dr.Ranadheer Reddy Ragidi Dr.S. Mallikarjun Reddy Dr.R. Saravanan Mrs.V.C. Laxmiprasanna	Scientific International publishing house	978-93-6674-403-2	2024
2	Image enhancement with optimized gamma correction weighted distribution via differential evolution algorithm	Mrs. Vemireddy Nagamalliswari	IIP Series	978-93-6252-596-3	2024



ISO 9001:2015 Certified Institution

Balaji Institute of Technology & Science

Estd.:2001

Laknepally (V), Narsampet (M), Warangal District - 506 331, Telangana State, India

(AUTONOMOUS)

Accredited by NBA (UG - CE, EEE, ME, ECE & CSE) & NAAC A+ Grade

(Affiliated to JNT University, Hyderabad and Approved by AICTE, New Delhi)

www.bitswgl.ac.in, email: principal@bitswgl.ac.in, Ph:98660 50044, Fax: 08718-230521

Department of Electrical and Electronics Engineering

BOOK/BOOK CHAPTER PUBLICATIONS FOR CAYm1 2023-2024

S. No	Title of the Book	Name of the Author(s)	Name of the Publisher	ISBN/doi Number	Year of publication
1	Electric and Hybrid Vehicles	Dr.R. Saravanan	Deccan International Book Academic publishers	9788196371432	2023
2	Switch Gear and Protection	Dr. R. Saravanan	Alpha International publishers	978-93-5762-251-6	2023



ISO 9001:2015 Certified Institution

Balaji Institute of Technology & Science

Estd.:2001

Laknepally (V), Narsampet (M), Warangal District - 506 331, Telangana State, India

(AUTONOMOUS)

Accredited by NBA (UG - CE, EEE, ME, ECE & CSE) & NAAC A+ Grade

(Affiliated to JNT University, Hyderabad and Approved by AICTE, New Delhi)

www.bitswgl.ac.in, email: principal@bitswgl.ac.in, Ph:98660 50044, Fax: 08718-230521

Department of Electrical and Electronics Engineering

BOOK/BOOK CHAPTER PUBLICATIONS FOR CAYm2 2022-2023

S. No	Title of the Book	Name of the Author(s)	Name of the Publisher	ISBN/doi Number	Year of publication
1	MPPT Algorithms for solar PV-Drip Irrigation Sysem	V.Nagamalliswari	Springer, Singapore	978-981-99-2065-5	June, 2023



ISO 9001:2015 Certified Institution

Balaji Institute of Technology & Science

Estd.:2001

Laknepally (V), Narsampet (M), Warangal District - 506 331, Telangana State, India

(AUTONOMOUS)**Accredited by NBA (UG - CE, EEE, ME, ECE & CSE) & NAAC A+ Grade**

(Affiliated to JNT University, Hyderabad and Approved by AICTE, New Delhi)

www.bitswgl.ac.in, email: principal@bitswgl.ac.in, Ph:98660 50044, Fax: 08718-230521

Department of Electrical and Electronics Engineering

NPTEL CERTIFICATE PROGRAMME, CAY 2024-25

S. No	Name of the Faculty	Name of the Course	Duration of Course	Type of Certificate
1	Dr. S. Mallikarjun Reddy	Digital protection of power system	8 weeks Jan-Mar 2025	Elite
2	Mrs. C. V. Laxmi Prasanna	Teaching and Learning in Engineering	4 weeks (Jan – Feb 2025)	Elite
3	Mrs. C. V. Laxmi Prasanna	Power Quality Improvement Technique	8 weeks Jan-Mar 2025	Successfully Completed
4	Mrs. C. V. Laxmi Prasanna	Introduction To Soft Computing	8 weeks Jan-Mar 2025	Successfully Completed
5	Mrs. M. Sravanthi	Python for Data Science	4 weeks (Jan – Feb 2025)	Elite
6	Mrs.V. Nagamalleswari	Python for Data Science	4 weeks (Jan – Mar 2025)	Elite
7	Ms. D. Rashmika	Data Base Management System	8 weeks (July-Sept 2024)	Successfully Completed
8	Ms. D. Rashmika	Introduction to Internet of Things	12 weeks (Jul-Oct 2024)	Elite
9	Mrs. M. Sravanthi	Introduction to Internet of Things	12 weeks (Jul-Oct 2024)	Elite
10	Mrs. K. Shailaja	Introduction to Internet of Things	12 weeks (Jul-Oct 2024)	Elite
11	Dr. S. Mallikarjun Reddy	Introduction to Industry 4.0 and Industrial Internet of Things	12 weeks (Jul-Oct 2024)	Elite
12	Mrs. M. Sravanthi	Computer Architecture	12 weeks (Jul – Oct 2024)	Successfully Completed



ISO 9001:2015 Certified Institution

Balaji Institute of Technology & Science

Estd.:2001

Laknepally (V), Narsampet (M), Warangal District - 506 331, Telangana State, India

(AUTONOMOUS)**Accredited by NBA (UG - CE, EEE, ME, ECE & CSE) & NAAC A+ Grade**

(Affiliated to JNT University, Hyderabad and Approved by AICTE, New Delhi)

www.bitswgl.ac.in, email: principal@bitswgl.ac.in, Ph:98660 50044, Fax: 08718-230521

Department of Electrical and Electronics Engineering

NPTEL CERTIFICATE PROGRAMME, CAYm1 2023-24

S. No	Name of the Faculty	Name of the Course	Duration of Course	Type of Certificate
1	Dr. S. Mallikarjun Reddy	Teaching and Learning in General Programmes-TALG	4 weeks (Jul – Aug 2023)	Elite
2	Mrs. V. Nagamalleswari	Introduction to Machine Learning	8 weeks (Jul – Sep 2023)	Elite
3	Dr. S. Mallikarjun Reddy	Power System Protection and Switchgear	8 weeks (Jul – Sep 2023)	Successfully Completed
4	Ms. D. Rashmika	Advances in UHV Transmission and Distribution	8 weeks (Jul – Sep 2023)	Successfully Completed
5	Mr. D. Sampath	Power System Protection and Switchgear	8 weeks (Jul – Sep 2023)	Elite
6	Dr. S. Mallikarjun Reddy	Smart Grid – Basics to Advanced Technologies	12 weeks (Jul – Oct 2023)	Successfully Completed
7	Dr. S. Mallikarjun Reddy	Introduction to Internet of Things	12 weeks (Jul – Oct 2023)	Elite
8	Mrs. V.C. Laxmi Prasanna	Research Methodology	8 weeks (Aug – Oct 2023)	Elite
9	Mrs. K. Shailaja	Computer Architecture	12 weeks (Jul – Oct 2023)	Successfully Completed
10	Ms. D. Rashmika	Solar Engineering and Technology	12 weeks (Jul – Oct 2023)	Successfully Completed

11	Dr. S. Mallikarjun Reddy	EV-Vehicle Dynamics and Electric Motor Drives	8 weeks (Jan-Mar 2024)	Successfully Completed
12	Mrs. M. Sravanthi	Software Testing	4 weeks (Jan-Feb 2024)	Successfully Completed
13	Mrs. M. Sravanthi	Data Base Management System	8 weeks (Jan-Mar 2024)	Successfully Completed
14	Mrs. M. Sravanthi	Introduction to database system	12 weeks (Jan-Apr 2024)	Successfully Completed
15	Mrs. K. Shailaja	Advanced Computer Architecture	12 weeks (Jan-Apr 2024)	Successfully Completed



ISO 9001:2015 Certified Institution

Balaji Institute of Technology & Science

Estd.:2001

Laknepally (V), Narsampet (M), Warangal District - 506 331, Telangana State, India

(AUTONOMOUS)**Accredited by NBA (UG - CE, EEE, ME, ECE & CSE) & NAAC A+ Grade**

(Affiliated to JNT University, Hyderabad and Approved by AICTE, New Delhi)

www.bitswgl.ac.in, email: principal@bitswgl.ac.in, Ph:98660 50044, Fax: 08718-230521

Department of Electrical and Electronics Engineering

NPTEL CERTIFICATE PROGRAMME, CAYm2 2022-23

S. No	Name of the Faculty	Name of the Course	Duration of Course	Type of Certificate
1	Dr. S. Mallikarjun Reddy	Power System Engineering	12 weeks (Jan – April 2023)	Successfully Completed
2	Dr. S. Mallikarjun Reddy	Electric Vehicles- 1	4 weeks (Jan – Feb 2023)	Elite
3	Dr. S. Mallikarjun Reddy	Effective Engineering Teaching in Practice	4 weeks (Jan – Feb 2023)	Elite
4	Mrs. S. Roda Vishal	Electric Vehicles- 1	4 weeks (Jan – Feb 2023)	Successfully Completed
5	Mrs. S. Roda Vishal	Recent Advances in Transmission Insulators	4 weeks (Jan – Feb 2023)	Elite
6	Mrs. V. Nagamalleswari	Database Management System	8 weeks (Jan – Mar 2023)	Successfully Completed
7	Dr. S. Mallikarjun Reddy	Recent Advances in Transmission Insulators	4 weeks (Jan - Feb 2022)	Successfully Completed
8	Mrs. M. Shravanthi	C-Programming and Assembly Language	4 weeks (Jan - Feb 2022)	Successfully Completed
9	Mrs. V. Nagamalleswari	NBA Accreditation and Teaching and Learning in Engineering (NATE)	12 weeks (Jan – April 2022)	Elite
10	Mrs. R. Swathi	Network Analysis	12 weeks (Jan – April 2022)	Elite

11	Mr. M. Kalyan	Network Analysis	12 weeks (Jan – April 2022)	Elite + Silver
12	Mrs. A. Ashwini	Non Conventional Energy Resources	12 weeks (Jan – April 2022)	Successfully Completed
13	Mrs. V. Laxmi Prasanna	Introduction to Smart Grid	8 weeks (Jul – Sep 2022)	Successfully Completed
14	Mrs. V. Nagamalleswari	Joy of Computing Python	12 weeks (Jan – April 2022)	Elite
15	Dr. S. Mallikarjun Reddy	Advance in UHV Transmission and Distribution	8 weeks (Jul – Sep 2022)	Elite



ISO 9001:2015 Certified Institution

Balaji Institute of Technology & Science

Estd.:2001

Laknepally (V), Narsampet (M), Warangal District - 506 331, Telangana State, India

(AUTONOMOUS)

Accredited by NBA (UG - CE, EEE, ME, ECE & CSE) & NAAC A+ Grade

(Affiliated to JNT University, Hyderabad and Approved by AICTE, New Delhi)

www.bitswgl.ac.in, email: principal@bitswgl.ac.in, Ph:98660 50044, Fax: 08718-230521

Department of Electrical and Electronics Engineering

PATENTS

S.No.	Patent File No.	Title	Patent Holder Name	Published date
1	396002-001	Solar powered wireless sensor node for data communication	Dr.R.Saravanan Professor,EEE	25 September 2023
2	394332-001	Smart LED Printer	Dr.R.Saravanan Professor,EEE	01 September 2023
4	379954-001	IOT enabled smart label printer	Dr.R.Saravanan Professor,EEE	23 Febraury 2023



ISO 9001:2015 Certified Institution

Balaji Institute of Technology & Science

Estd.:2001

Laknepally (V), Narsampet (M), Warangal District - 506 331, Telangana State, India

(AUTONOMOUS)

Accredited by NBA (UG - CE, EEE, ME, ECE & CSE) & NAAC A+ Grade

(Affiliated to JNT University, Hyderabad and Approved by AICTE, New Delhi)

www.bitswgl.ac.in, email: principal@bitswgl.ac.in, Ph:98660 50044, Fax: 08718-230521

Department of Electrical and Electronics Engineering

Details of Scholars Awarded Under the Guidance

S.No	Name of The Faculty	Research Topic	University	Year of Completed
1	R.Ranadheer Reddy	A Novel Soft Switching Full Bridge Dc-Dc Converter using Pulse width Modulation	Career Point University	2023-24

Department of Electrical and Electronics Engineering

PH.D Pursuing

S.No	Faculty Name	Research Topic	University	Guide	Year of Registration
1	Mr.S.Sridhar	Integration of Renewable Energy sources	Annamalai University	Dr.R.Saravanan ,BITS Prof.Dr.L.Lakshminarasimman	2024
2	Mr.K.Subhash	Micro Grid Power system state estimation	S.R University	Dr.B.Vedhik Associate Professor Dr. D. M. Vinod Kumar Professor	2023
3	Mr.Gali Sridhar	1.AI Technique implementation in smart grid 2.Metahuristic technique in electricity market 3.Advanced implantations in EV	NIT, Meghalaya	Dr.SanjayDebbarma Assistant Professor & HOD,NIT(M)	Aug,2021
4	Mrs .V.C Laxmiprasanna	Power Systems(Power Quality)	GITHAM University	G.Srinivas Assistant Prof Githamuniversity	2021

5	Mrs.NagaMallehwari	Power Quality on DVR using Optimization Techniques	SVNIT,Surath	Mr.SabhaRja Arya Associate Professor,SVNIT,Surath	June 2019
6	Mrs,ArumullaAshwini	Electric vehicles	Annamalai University	Research guide: Dr.M.Anitha Associate professor Annamalai university, chennai	2020
7	Mrs.Sangalarodavishal	New multilevel inverter topology for photovoltaic system	Annamalai university	Dr.R.Geetha Associate professor ,Annamalai university chennai	2020
8	Ms.Ravulaswathi	Voltage Quality Enhancement of Grid integrated PV System Using Battry based Dynamic voltage restorer	Annamalai university	Dr.Radha J Assistant professor,Department of Electrical Engineering	2020