MANDATORY DISCLOSURE

(Recognized by Govt. of Odisha, Approved by All India Council of Technical Education, New Delhi, Affiliated to Biu Pattnaik` University of Technology, Rourkela, Odisha)

MAHAVIR INSTITUTE OF ENGINEERING AND TECHNOLOGY (259)

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MANDATORY
DISCLOSURE Updated
on: Jun 7th, 2024

AICTE File No		F.No. Eastern/1-43665015728/2024/EOAEOA, Date of Approval: 23-Mar-2024
Date/Period of last approval		Date of Approval: 23-Mar-2024 / 01 Year (2024-2025)
1	**Name of the institution**	**MAHAVIR INSTITUTE OF ENGINEERING AND TECHNOLOGY** (Affiliated to Biju Pattnaik University of Technology, Rourkela, Odisha. Recognized by Government of Odisha & Approved by AICTE, New Delhi) Mahavir Nagar, Paniora, Palashpur, Paniora, Khurda, Odisha, India Mobile: 9938632487 Email: info@miet.edu.in URL: http://miet.edu.in
2	**Name and address of the Trust**	**Nabajuga Educational and Charitable Trust** Address: Nabajuga Educational and Charitable Trust Mobile: 9439000777 Email: chairman@miet.edu.in URL: http://miet.edu.in/
3	**Name and Address of the Principal/ Director**	**Prof. Dr. Asit Mohanty** Principal MAHAVIR INSTITUTE OF ENGINEERING AND TECHNOLOGY (Affiliated to Biju Pattnaik University of Technology, Rourkela, Odisha. Recognized by Government of Odisha & Approved by AICTE, New Delhi) Mahavir Nagar, Paniora, Palashpur, Paniora, Khurda, Odisha, India Mobile: 9437920530 Email: principal@miet.edu.in URL: http://miet.edu.in/
4	**Name of the affiliating University**	**Biju Pattnaik University of Technology**, Rourkela, Odisha - 500007, Telangana
5	**Governance**	**Members of the Board and their brief background**

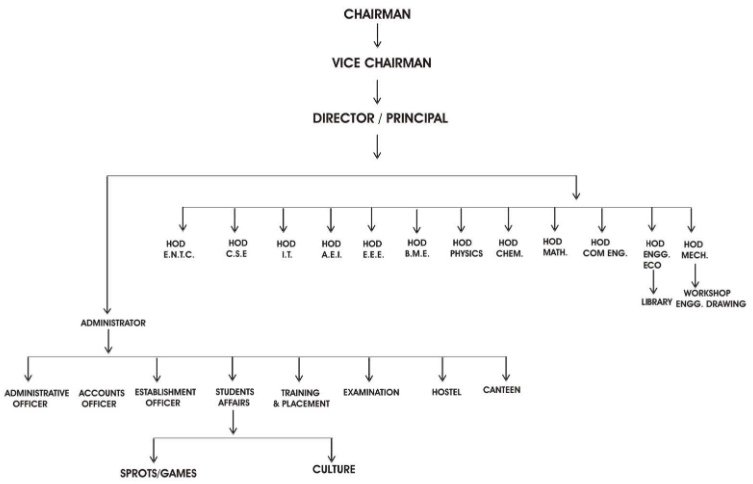
Name	Designation	Background
Dr. G. C. Nayak	Chairman	Educationist
Dr. B. M. Nayak	Secretary	Educationist
Dr. B. K. Pradhan	Vice-Chairman	Educationist
Prof. P. K. Swain	Trustee	Educationist
Mrs. S. Bhanja	Trustee	Educationist
Mrs. M. Mohanty	Trustee	Educationist

Members of Academic Advisory Body

Name	Designation
Dr. Gandharba Chandra Nayak	Chairman, MIET, Bhubaneswar
Dr. Basanta Manjari Nayak	Secretary, MIET, Bhubaneswar
Dr. Bikram Kumar Pradhan	Vice-Chairman, MIET, Bhubaneswar
Dr. Asit. Mohanty	Principal, MIET, Bhubaneswar
Dr. Birajendu Prasad Samal	Vice-Principal, MIET, Bhubaneswar
Dr. Ratikanta Mishra	Member
Dr. Antaram Panda	Member
Prof D.P.Bagartht, O.U.T.R, Electrical	Member
Prof. Ashok Mohanty, O.U.T.R, Mechanical	Member
Prof. Gayadhara Panda, NITTR, Kolkata	Member
Prof. T. K. Panigrahi, PMEC, Berhampur	Member

Frequency of the Board Meeting and Academic Advisory Body: Twice in a year

Organizational chart and processes



Nature and Extent of involvement of Faculty and students in academic affairs/ improvements
Available in the respective Departments/Programmes on the following websites

URL: https://miet.edu.in/

Mechanism/ Norms and Procedure for democratic/ good Governance
Available in the respective Departments/Programmes on the following websites URL: https://miet.edu.in/

Student Feedback on Institutional Governance/ Faculty performance
Available in the respective Departments/Programmes on the following websites
URL: https://miet.edu.in/aicte-essential.php

Grievance Redressal mechanism for Faculty, staff and students

Establishment of Anti Ragging Committee https://miet.edu.in/aicte-essential.php

Establishment of Online Grievance Redressal Mechanism https://miet.edu.in/aicte-essential.php

Establishment of Internal Complaint Committee (ICC)
Available in the respective Departments/Programmes on the following websites URL: https://miet.edu.in/aicte-essential.php

Establishment of Committee for SC/ ST URL:

Internal Quality Assurance Cell
Available in the respective Departments/Programmes on the following websites URL: https://miet.edu.in/aicte-essential.php

6 Programmes

Name of Programmes approved by AICTE

Programme/Course	Approved Intake (2024-2025)
UG –Engineering	
B.Tech.-E.T.C.	120
B.Tech.-CSE	67
B.Tech.-E.E.E.	75
B.Tech.- A.E.I	30
B.Tech.- I.T.	30
B.Tech.-B.M.E.	22
B.Tech.-Civil	45
B.Tech.-Mechanical	45
PG –Engineering	
M.Tech.-E.T.C.	13
M.Tech.-P.S.E.	13
M.Tech.-C.S.E.	13
M.Tech.-C.E.	07
PG-MCA	45
PG –MBA	45

NBA Accreditation Status		
1.	Programme / Course Accredited	Eligible – Application under process

NAAC Accreditation Status		
1.	Accredited	Eligible – Application under process

For each Programme the following details are to be given:

Programme / Course	No. of Seats	Duration	Cut off rank (last -3Y)			Fee 2024-25	Campus placement (last-3Y with max / min salary in Lakhs)
			2023-2024	2022-2023	2021-2022		
UG –Engineering							
B.Tech.-E.T.C.	120	4 years				Rs.68,000	06 (4, 2)
B.Tech.-C.S.E.	67	4 years				Rs.68,000	17(12, 2)
B.Tech.-E.E.E.	75	4 years				Rs.68,000	30 (5, 2)
B.Tech.-A.E.I	30	4 years				Rs.68,000	37 (5, 2)
B.Tech.-I.T.	30	4 years				Rs.68,000	17 (5, 2)
B.Tech.-B.M.E.	22	4 years				Rs.68,000	06 (4, 2)
B.Tech.-Civil	45	4 years				Rs.68,000	05 (4, 2)
B.Tech.-Mechanical	45	4 years				Rs.68,000	05 (5, 2)
PG –Engineering							
M.Tech.-E.T.C.	13	2 years				Rs.75,000	05 (4, 2)
M.Tech.-P.S.E.	13	2 years				Rs.75,000	08 (4, 2)
M.Tech.-C.S.E.	13	2 years				Rs.75,000	03 (4, 2)
M.Tech.-C.E.	07	2 years				Rs.75,000	10 (7, 3)
PG-MCA	45	2 years				Rs.68.000	14 (3, 2)
PG –MBA	45	2 years				Rs.75,000	47 (5, 2)

7	**Faculty**	

Programme/Course	Web link
UG/PG –Engineering	
E.T.C	https://miet.edu.in/faculty.php
C.S.E.	https://miet.edu.in/faculty.php
E.E.E.	https://miet.edu.in/faculty.php
A.E.I	https://miet.edu.in/faculty.php
I.T.	https://miet.edu.in/faculty.php
B.M.E.	https://miet.edu.in/faculty.php
Civil Engineering	https://miet.edu.in/faculty.php
Mechanical Engineering	https://miet.edu.in/faculty.php
M.B.A.	https://miet.edu.in/faculty.php
MCA	https://miet.edu.in/faculty.php

8	**Profile of the Principal /Director**	Prof. Dr. Asit Mohanty, M.Tech., Ph.D Principal MAHAVIR INSTITUTE OF ENGINEERING AND TECHNOLOGY (Affiliated to Biju Pattnaik University of Technology, Rourkela, Odisha. Recognized by Govt. of Odisha & Approved by AICTE, New Delhi) Email: principal@miet.edu.in URL: http://miet.edu.in/ Work Experience: 25 Years (Teaching/Research/Academic Administration) : Enclosed

Profile of the Faculty

Programme/Course	Web link
UG/PG –Engineering	
Civil Engineering	https://miet.edu.in/faculty.php
Mech Engineering	https://miet.edu.in/faculty.php
ETC	https://miet.edu.in/faculty.php
CSE	https://miet.edu.in/faculty.php
IT	https://miet.edu.in/faculty.php
EEE	https://miet.edu.in/faculty.php
B.M.E.	https://miet.edu.in/faculty.php
A.E.I	https://miet.edu.in/faculty.php
PG-MCA	https://miet.edu.in/faculty.php
PG –MBA	https://miet.edu.in/faculty.php

9	**Fee Details**

Programme	Fee fixed by TAFRC for the block period (2022-2025)
UG–Engineering	Rs. 68,000 per annum
PG –Engineering	Rs. 75,000 per annum
PG –MCA	Rs. 68,000 per annum
PG –MBA	Rs. 75,000 per annum

10 Admission

Programme/Course	Year wise Sanctioned Intake/Admitted							
	CAY (2023-2024)		CAY_1 (2022-23)		CAY_2 (2021-22)		CAY_3 (2020-21)	
	S	A	S	A	S	A	S	A
UG–Engineering								
E.T.C.	120	108	120	106	120	92	120	93
C.S.E.	67	53	67	53	67	57	67	65
E.E.E.	75	63	75	64	75	65	75	55
A.E.I.	30	28	30	25	30	25	30	24
IT	30	27	30	27	30	25	30	28
B.M.E.	22	20	22	20	22	18	22	19
Civil Engineering	45	43	45	42	45	45	45	26
Mechanical Engineering	45	40	45	39	45	45	45	35
PG–Engineering								
E.T.C	13	09	13	10	13	11	13	13
P.S.E.	13	12	13	12	13	11	13	13
CSE	13	11	13	11	13	10	13	13
C.E.	07	06	07	05	07	06	07	05
PG-MCA	45	42	45	41	45	45	45	45
PG –MBA	45	42	45	44	45	45	45	45
	570	504	570	499	570	500	570	479

Legend: S (Sanctioned Intake) A (Admitted)

11 Admission Procedure

Programme	Seat Matrix (% on approved intake)		Test Agency	URL
	State OJEE	Mgmt.	OJEE-Convener	
UG–Engineering	70%	30%	OJEE	https://ojee.nic.in/
PG –Engineering	70%	30%	OJEE	https://ojee.nic.in/
PG –MCA	70%	30%	OJEE	https://ojee.nic.in/
PG –MBA	70%	30%	OJEE	https://ojee.nic.in/

Calendar for admission against Convener seats and allotment as per the respective Convener(s) of the programme, Govt. of Odisha
Calendar for admission against Management/vacant seats as provided by OJEE, Govt. of Odisha

12 Criteria and Weightage for Admission

OJEE, Govt. of Odisha

13 List of Applicants

As per the admission guidelines and admission schedule provided by OJEE, Govt. of Odisha

14 Results of Admission Under Management seats/Vacant seats

As per the admission guidelines and admission schedule provided by OJEE, Govt. of Odisha

15	**Information of Infrastructure and Other Resources Available**	**Infrastructure** Barrier Free Built Environment for disabled and elderly persons: **Available** Occupancy Certificate: **Available** Fire and Safety Certificate: **Available** Hostel Facilities: **Available**

Programme	No. of Rooms					
	Class	Tutorial	Lab	Drawing	Computer Center	Central Exam
UG–Engineering	24	08	59	01	01	01
PG –Engineering	03			-	-	01
PG –MCA	02	01	02	-	01	01
PG –MBA	02	01	01	-	01	01
Min-Unit Area (m^2)	80 m^2	60 m^2	150 m^2	150 m^2	330 m^2	360 m^2

Library

Programme / Course	Titles	Volume	Journals		Journals subscribed
			Natioanl	International	
UG/PG –Engineering					Adequate prescribed number of National and International Journals are subscribed to cater the need for academic and research purpose for all the Programme/Courses
B.Tech., M.Tech.	5848	39339	55	61	
PG-MCA	1565	2830	09	15	
PG –MBA	1630	2360	12	17	
TOTAL	7413	44529	76	93	

Laboratory and Workshop

Programme/Course	Major Equipment
UG/PG –Engineering	
Civil	CTM,UTM,TL,STN,MAR,STAB,SHEAR,STADD,AUTOCAD
Mech	ICENG, PUMPTUR,HTCOM,LATHE,FITTINGS,TIN SMITHY
ETC	CRO,FUNCGEN,UP UC KITS,UWBENCHES
CSE	IBMXSERIES 226 SERVERS, HP SCANNER, LASER PRINTER,CPLD,VS,RIDE,UMPS,XLINX,MSDN,OS WIN32, ALNG
IT	I3, I5, MC&INT KITS, KRYKARDS,UPS,SCOPENSERVER,REDHAT LINUX, RATROSE,ORACLE
EEE	RECTIFIER UNIT, OSCILLISCOPES, DECADE RESISTANCE BONES, RELAY TEST KIT TOOL BOX, SIMULINK CONTROL SY
EIE	FCT,MCP,PCTRAIN,CVC,PCT,PLC
BME	PHYSIOGRAPH, EEC SIMULATOR, EMG AMPLIFIER, PC, 12 CANNEL SIMULATANEAS, LCRQ METER,MEASURE SOFTWARE ETC.
PG-MCA	SER,COMP,PRINT,STAB,UPS.
PG –MBA	Computers, Printers, Scanner, LCDs

List of Experimental Setup in each Laboratory/ Workshop:
As per B.P.U.T., Odisha approved scheme and syllabus URL: **www.bput.ac.in**

Computing Facilities

Programme	Internet Bandwidth	Number and configuration of System	Number of system connected by LAN/WAN	Major software packages
UG/PG–Engineering PG –MCA PG –MBA	500 Mbps JIO fiber	310	310	Auto-CAD-2010 Auto-CAD LDDT Rel 2i Auto-CAD Map-2008 STADD – Pro 2001 3-D Studio Viz Rel 3i NASTRAN MATLab I CAP/4 Windows 8.71 (P SPICE) Active HDL 4.1Mat Lab 5.1 Mat Lab 7.12 Xilinx HDL Cadence, Mentor Graphics MATLAB CONTROL SYSTEM TOOL BOX DIGITAL SIGNAL TOOL BOX Ansys 15 Solid Works PTC Creo 2.0 Iron CAD 2012 CATIA V 5 R11 Auto CAD 2000 Gibbs CAM CNC offline milling CNC Turning CNC Train Mill & Turn Work space Simulation Iron CAD 3.2 Ansys 5.7 Solid Works Education Version Microsoft VISIO, etc

Innovation Cell: **Available**

List of facilities available
Games and Sports Facilities: **Available**
Extra-Curricular Activities: **Available**
Soft Skill Development Facilities: **Available**

Teaching Learning Process
Curricula and syllabus for each of the Programmes as approved by the University
Academic Calendar of the University:
Available on the below website
URL: **http://www.bput.ac.in**
Academic Time Table with the name of the Faculty members handling the Course
Teaching Load of each Faculty: Available in the respective Departments/Programmes
Internal Continuous Evaluation System and place
Student's assessment of Faculty, System in place:
Available in the respective Departments/Programmes on the following websites URL:
https://miet.edu.in/
URL: https://miet.edu.in/

For each Post Graduate Courses give the following:
Title of the Course
Curricula and Syllabi
Available on the below website
URL: **http://www.bput.ac.in**
Laboratory facilities exclusive to the Post Graduate Course
Available in the respective Departments/Programmes on the following websites

		URL: http://www.miet.edu.in/
16	**Enrollment of students in the last 3 years**	

Programme/Course	Enrollment in last three years			
	CAY (2022-2023)	CAY_1 (2021-2022)	CAY_2 (2020-2021)	CAY_3 (2019-2020)
UG–Engineering				
Civil Engineering	42	45	26	40
Mechanical Engineering	39	45	35	41
E.T.C.	106	92	93	65
C.S.E.	53	57	65	45
I.T.	27	25	28	35
E.E.E.	64	65	55	43
A.I.E.	25	25	24	21
B.M.E	20	18	19	18
PG –Engineering				
P.S.E	12	11	13	12
C.E.	05	06	05	05
CSE	11	10	13	09
E.T.C.	10	11	13	09
PG-MCA	41	45	45	41
PG –MBA	44	45	45	45

17	**List of Research Projects/ Consultancy Works**	

Programme/Course	Publications (if any) out of research in last three years out of masters projects			
	CAY (2022-2023)	CAY_1 (2021-2022)	CAY_2 (2020-2021)	CAY_3 (2019-2020)
PG –Engineering				
P.S.E.	-	-	-	-
E.T.C.	-	-	-	-
CSE	-	-	-	-
C.E.	-	-	-	-
PG - MCA	-	-	-	-
PG - MBA	-	-	-	-

		Number of Projects carried out, funding agency, Grant received: NIL
		Industry Linkage:
		MoUs with Industries (Enclosed)
18	LoA and subsequent EoA till the current Academic Year	Available on the website URL: http://miet.edu.in/
19	Accounted audited statement for the last three years	Available on the website URL: http://www.miet.edu.in/
20	Best Practices adopted, if any	**Enrichment of Teaching and Learning Process** • On-line Feedback from students and alumni for strengthening the teaching-learning system. • Improving Library with print and e-resources. • Intensive use of technology and ICT enabled teaching-learning methods like Moodle, MOOCS, NPTEL, QEEE lectures, etc.

		• Wi-Fi enabled campus encourages additional learning by way of access to website containing e-learning resources. • Monitoring center for research for undergoing M.Tech. scholar's dissertation work • Transparency ensured in evaluating students' academic performance • 24x7 students' feedback about teachers' performance and follow-on action. • Introduced appraisal of teachers' performance by the students twice in an academic year **Enrichment of Skill Sets of Student** • Promoting the students for their involvement in co-curricular activities within and outside the campus by assigning additional credit under an able guidance of faculty • Industrial training and internship since second year of UG program • Conducting guest lectures, workshops and seminars to encourage higher education • Proctor system - each faculty member work as a proctor for a group of twenty students (five each from First year to final year B.Tech. program) for counseling and better performance of students. • Advanced learners are encouraged to come out with innovative ideas / take up short term projects and they are involved in mentoring activities. • Incubation center with the motive of encouraging the establishment of start-up companies in the immediate future • Career guidance cells, soft-skill development activities, grievance redressal cell helping students to excel in academics. **Interaction with Outside World** • Establishment of tie-ups with renowned industries and institutes • Motivation and support for students for appearing competitive exams and summer internship in industries, research Institute in India and abroad. • Creation of Centers of Excellence to promote research in diversified fields to emerge in National and International level. • Formation of Industry-Institute Partnership Cell to promote professional education and research. • Academic flexibility and participation of industries in teaching. **Faculty Development and Welfare** • ERP implementation for management of Leave, Time table, Salary, Library, Exam and results, Fees Collection, Teaching learning processes, Admissions, etc. • Appropriate functioning of grievance Redressal mechanism • Implementation of CAS to promote faculty to higher post • Enhance teacher quality, all the faculty members to pursue Ph.D. • Encourage faculty members apply for research and development projects funded by DST, UGC, CSIR, AICTE, DRDO, etc. • FDP courses for the benefit of faculty members. • Faculty members organizing / attending short term courses in emerging areas. • Encourage all faculties in research, consultancy and extension in new and emerging areas thereby revenue generation.

Dr.Asit Mohanty

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Asit Mohanty (0000-0001-6124-1957) - ORCID
*(Scopus Author ID: 55521129800)
*https://scholar.google.com/citations?hl=en&user=8cYxqK4AAAAJ&view_op=list_works&sortby=pubdate
*https://www.linkedin.com/in/dr-asit-mohanty-75a14672/?original_referer=https%3A%2F%2Fwww%2Egoogle%2Eco%2Ein%2F&originalSu bdomain=my

EDUCATIONAL QUALIFICATIONS-

1992-1996 Bachelor of Engineering (B. Engg.), Electrical Engineering from **NIT, Durgapur, West Bengal, India**

2004-2006 M Tech in Power Electronics Drives, **MD University, Delhi, India**

Thesis Title: "Fuzzy logic based motor control"

2008-2012 Research Scholar in Electrical Engineering from **Motilal Nehru National Institute of Technology (MNNIT), Allahabad, India**

2014-2021 PhD (Awarded) in Electrical Engineering from **College of Engineering & Technology (CET), Bhubaneswar, Odisha, India**

Thesis Title: ***"Reactive power and stability Improvement of a standalone hybrid Power system with conventional and Soft computing methods"***

April 2023 onwards-Postdoc research fellow, UNITEN, Energy University, Kualalumpur ,Malayasia-43000

Experience Summary:

- (2022-tilldate), Principal & HOD,Electrical,**Mahavir Institute of Engineering and Technology, Bhubaneswar,India**
- (2017 -2022)Lecturer, Department of Electrical Engineering, **College of Engineering & Technology(CET), Bhubaneswar**, Institute of National Importance Under AICTE, Govt. of India.
- Research Scholar, Department of Electrical Engineering, **National Institute of Technology,Allahabad**, India
- Asst Professor in the Department of Electrical Engineering, **Temple city Institute of Technology & Engineering (TITE),Bhubaneswar**, India
- Asst Professor, Department of Electrical Engineering,**Konark Institute of Science & Technology(KIST) Bhubaneswar**,India
- Project Engineer Manager , **Hargolal & Sons ,Ambala**,India
- Site Engineer,**NECO India,Nagpur**,India.
- Guest Lecturer, Department of Electrical Engineering,,**National Institute of Technology,Kurukshetra**,India

CURRENT RESEARCH ACTIVITIES:

--Stability improvement in Hybrid Distributed Generation based power system.
--Optimization and Control for Frequency and Voltage Regulation in Microgrid
--Application of Custom Power Devices for stability Improvements in DG
--Optimal active and reactive power control and power managements in Micro grid
--Solar radiation forecasting using different soft computing techniques
---Solar thermal energy storage and photovoltaic thermal system

Technical Skills: Softwares: MATLAB, PSCAD, And LABVIEW

Hardware/Real Time Simulator: Experimental proto-type of wind and PV system for reactive power control & stability analysis, dSPACE, OPAL-RT

Research Guidance:

- No of PhD. Thesis Guidance under process: 1
- No of M. Tech Thesis Guided: 15

Course Taught in B.Tech /M. Tech (Undergraduate/Postgraduate Level)

- Network Analysis and Synthesis
- Real-time Control of a Tidal power system through Differential Evolution and Firefly Algorithm.***Global Energy Interconnection,2022.*** **ELSEVIER (IF-2.1)**
- Power Electronics
- Resilient control based frequency regulation scheme of isolated microgrids considering cyber attack and parameter uncertainties***. Applied Energy. 2022 Jan 15;306:118054.*** **ELSEVIER (IF-11.446)**

Professional Society Member:

- Senior Member IEEE
- Fellow of the Institution of Engineers
- Life Member ISTE
- Life Member IIIE

Awards:

. **BEST RESEARCHER AWARD, BPUT (2019-2020)**

. **IETE – K S KRISHNAN MEMORIAL AWARD-2020**

. **Short listed for POSOCO Award (50 Candidates INDIA) PPSA 2018**

PUBLICATIONS:

INTERNATIONAL JOURNALS

2023

- Mishra, D.K., Mohanty, A. and Ray, P.K., 2023. An optimal frequency regulation in interconnected power system through differential evolution and firefly algorithm. *Soft Computing*, pp.1-14. **(IF-4.1)**

2022

- Adaptive Neuro-Fuzzy Approach for Solar Radiation Forecasting in Cyclone Ravaged Indian Cities: ***A Review. Front. Energy Res,2022 10, p.828097.*** **(IF-4.1)**
- Real-time Control of a Tidal power system through Differential Evolution and Firefly Algorithm.***Global Energy Interconnection,2022.*** **ELSEVIER (IF-2.1)**
- Resilient control based frequency regulation scheme of isolated microgrids considering cyber attack and parameter uncertainties***. Applied Energy. 2022 Jan 15;306:118054.*** **ELSEVIER (IF-11.446)**

2021

- A review on solid-state transformer: A breakthrough technology for future smart distribution grids. ***International Journal of Electrical Power & Energy Systems. 2021 Dec 1;133:107255.*** **ELSEVIER**
  (*IF-5.*2)

- Adaptive fuzzy controlled hybrid shunt active power filter for power quality enhancement. ***Neural Computing and Applications. 2021 Mar;33:1435-52.*** **ELSEVIER** ***(*IF-5.106)**

- An adaptive fractional fuzzy sliding mode controlled PSS for transient stability improvement under different system uncertainties. ***IET Smart Grid. 2021 Feb;4(1):61-75.*** ***(*IF-2.5)**

2020

- Performance of PV integrated multilevel inverter for PQ enhancement, ***International Journal of Electronics*****, 1-38, (IF: 1.004)**

- Adaptive fuzzy controlled hybrid shunt active power filter for power quality enhancement. ***Neural computing & applications*****.SPRINGER, (IF: 4.664)**

- PSO-GWO Optimized Fractional Order PID Based Hybrid Shunt Active Power Filter for Power Quality Improvements**.** ***IEEE Access*****,** ***8*****, pp.74497 (IF: 4.098)**

- Effect of Superconducting Magnetic Energy Storage on Two Agent Deregulated Power System Under Open Market. ***Materials Today: Proceedings*****,** ***21*****, pp.1919-1929. ELSEVIER (IF: 0.694; 5 years IF: 1.09)**

- Advanced wavelet transform based shunt hybrid active filter in PV integrated power distribution system for power quality enhancement**, IET Energy Systems Integration 2 (4), 331-343 (IF-2.6)**

2019

- A robust firefly–swarm hybrid optimization for frequency control in wind/PV/FC based microgrid. ***Applied Soft Computing*****,** ***85*****, p.105823**. **ELSEVIER (IF:8.7)**

- Detection of islanding and fault disturbances in microgrid using wavelet packet transform. ***IETE Journal of Research*, 65(6), pp.796-809. (IF:1.5)**

- A Hybrid Firefly-Swarm Optimized Fractional Order Interval Type-2 Fuzzy PID-PSS for Transient Stability Improvement. ***IEEE Transactions on Industry Applications***, ***55*(6), pp.6486-6498. (IF:3.147)**

- Stability and optimisation of direct drive permanent magnet synchronous generator based tidal turbine**.** ***Vacuum***, ***166*, pp.341-350**. **ELSEVIER(IF: 4)**

- Linear matrix inequality approach in stability improvement through reactive power control in hybrid distributed generation system**.** ***IET Smart Grid*. *(*IF-2.5)**

- Artificial intelligence based forecasting & optimization of solar cell model. ***Optik*, *181*, pp.842-852. ELSEVIER (IF: 3.1)**

- Power quality analysis in solar PV integrated microgrid using independent component analysis and support vector machine**.** ***Optik*, *180*, pp.691-698 ELSEVIER (IF: 3.1)**

- Restoration of stable voltage in an isolated hybrid solar power system with combined JAYA-DE algorithm**.** ***Optik*, *180*, pp.536-548. ELSEVIER (IF: 3.1)**

- Performance evaluation of multilevel inverter based hybrid active filter using soft computing techniques. ***Evolutionary Intelligence*,** pp.1-11. **ELSEVIER SCOPUS (IF: 2.6)**

- Implementation of digital temperature control system on photovoltaic cell model: an experimental analysis. ***Optik, 176, pp.324-333. ELSEVIER* (IF: 3.1)**

2018

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1.Lighting of Building and Illumination

(Shaswat Publication,Under process)

2.Basic Electrical Engineering Paperback

- ASIN : B07NRZY9W2
- Publisher :WILEY (1 January 2019)
- Language : English
- Paperback : 376 pages
- ISBN-10 : 9389307767
- ISBN-13 : 978-9389307764
- Item Weight : 250 g

3.Research Book:

Optimized FOPID controller for reactive Power management & stability Paperback

- Publisher : LAP LAMBERT Academic Publishing; 1st edition (1 January 2017)
- Language : English
- Paperback : 60 pages
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Declaration:

I hereby declare that the above written particulars are true to the best of my knowledge and belief.

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