

Mr. Subrat Behera

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Assistant Professor (II)

Contact details :
EMAIL ID: sbeherafel@kiit.ac.in
PHONE NO: 9556271032



INTERESTED RESEARCH AREAS:

Power Electronics & Drives, Application of Power Electronics in Renewable Energy

SCHOOL LEVEL RESPONSIBILITY:

Assoc Dean (Training & Placement)

Active **IEC Member** of Central training and Placement: look for Industry engagements for internship and training programs and placement of Final Years.

ACADAMIC DETAILS :

S.NO	DEGREE	INTITUTION NAME	YEAR OF PASSING
1	M.tech	Indian Institute of Technology,Roorkee	2009
2	Btech	National Institute of Technology,Nagpur	2007

EXPERIENCE:

TEACHING: 7 Years of experience in KIIT University

PUBLICATION:

- Kuldeep Behera,Subrat Behera, “Control Strategy Analysis And Modeling Of The DFIG With Indirect Matrix Converter In WECS” *International journal on Advanced Electrical and Computer Engineering(IJAECE) vol-3,issue-1 ISSN(online)2349-9338,2016*
- Kuldeep Behera,Subrat Behera “A Novel Control Strategy Of Indirect Matrix Converter Implemented In DFIG Controlled WECS” *International Journal on Recent Advances in Multidisciplinary Research ,vol-3,issue-5 ,pp.1472-1477,May’2016(Google Scholar)*

- Kuldeep Behera,Subrat Behera “A Novel Control Strategy of Indirect Matrix Converter Using Space Vector Modulation” *International Journal on Power electronics and Drives(IJPED)*, vol-7,issue-3,ISSNnl(online)2088-8694,2016 (Scopus index)

M.Tech THESIS GUIDED:

YEAR :2013-14	
S.NO	TITLE
1	Vector control of Induction motor drive
2	Direct torque control of Induction motor drive

YEAR :2014-15	
S.NO	TITLE
1	Wind Energy conversion System using DFIG
2	Study and analysis of Matrix converter

YEAR :2015-16	
S.NO	TITLE
1	Application of Matrix converter in DFIG controlled Wind Energy Conversion System
2	Nested topologies of Inverter and its application on Induction motor drive

B.Tech PROJECTS GUIDED:

S.NO	TITLE
1	Study and analysis of Four quadrant chopper
2	Study the voltage and current behaviour of fly back converter
3	Comparison of different inverter topologies
4	Closed loop control of Induction motor drive
5	Closed loop control of Dc motor Drive using PI controller
6	Design the controller part for analysing the Vector control of Induction motor Drive

CONFERENCE/WORKSHOPS ORGANIZED/ATTENDED:

S.NO	Title	Attended/organized	Place	YEAR
1	<i>Faculty Development Programme</i>	Attended	KIIT University	2010-11
2	<i>Faculty Development Programme</i>	Attended	KIIT University	2011-12
3	<i>Faculty Development Programme</i>	Attended	KIIT University	2013-14
4	<i>Faculty Development Programme</i>	Attended	KIIT	2014-15

	<i>Programme</i>		University	
5	Conference on “ <i>Power, communication and information Technology Conference</i> ”	S.O.A University	KIIT University	2015
6	National workshop on “ <i>Intelligent tools in Smart Grid</i> ”	Attended	KIIT University	2016
7	Faculty Development Programme on “ <i>LabVIEW in Electrical Engineering and Smart Grid Technologies</i> ”	Attended	KIIT University	2016
8	Workshop on “ <i>Electrical Power distribution Management</i> ”	Attended	C.E.T, BBSR	2016
9	workshop on “ <i>Present and Future Technologies in Electric Power and energy systems</i> ”	Attended	C.V.Raman College of Engineering	2016

Trainings Organised in School of Electrical

- *AutoCAD Training Program for B.Tech and M.Tech*
- *PLC Training Program for B.Tech and M.Tech*
- *Workshop on “Renewable Energy and Energy Audit”*

SUBJECTS TAUGHT:

S.NO	SUBJECT CODE	SUBJECT NAME
1	EE-2005	DC Machines and transformers
2	EE-3005	Power Electronics
3	EE-3025	Power Station Engineering
4	EE-3006	Electric Drives