

3.3.2 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five year

Sl. No.	Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings	Name of the conference	National / International	Calendar Year of publication	ISBN number of the proceeding	Affiliating institute at the time of publication	Name of the publisher
AY (2021-2022)										
1	Dr. Potluri Sankar Babu	HIGH VOLTAGE ENGINEERING				National	2022	978-93-92153-48-8	NTUA, ANANTAPURAM	South Asian Academic Publications
2	K. MEENENDRANATH REDDY	HIGH VOLTAGE ENGINEERING				National	2022	978-93-92153-48-8	NTUA, ANANTAPURAM	South Asian Academic Publications
3	K. Sudarshan Reddy	HIGH VOLTAGE ENGINEERING				National	2022	978-93-92153-48-8	NTUA, ANANTAPURAM	South Asian Academic Publications
4	K. MEENENDRANATH REDDY	POWER QUALITY				National	2022	978-93-94304-53-6	NTUA, ANANTAPURAM	GCS PUBLISHERS
5	S.Maddiley	POWER QUALITY				National	2022	978-93-94304-53-6	NTUA, ANANTAPURAM	GCS PUBLISHERS
6	Syed Reshma	POWER QUALITY				National	2022	978-93-94304-53-6	NTUA, ANANTAPURAM	GCS PUBLISHERS
7	K. MEENENDRANATH REDDY	ELECTRICAL MACHINE DESIGN				International	2022	978-620-4-75002-6	NTUA, ANANTAPURAM	LAP Lambert Academic Publishing
8	Dr. G. Rajesh Chandra	AI APPLICATIONS				National	2022	978-93-5480-545-5	NTUA, ANANTAPURAM	GCS PUBLICATIONS
9	K. MEENENDRANATH REDDY	IFIP Advances in Information and Communication Technology book series (IFIP/ICT, volume 654)	Aggressive Approach of Designing and Analysis of Solar and Wind Stations Integrated with the Grid Connected System	Communication Technology on Computational Intelligence		International	2022	978-3-031-16364-7	NTUA, ANANTAPURAM	Advances in Information and Communication Technology
AY (2020-2021)										
1	K. MEENENDRANATH REDDY	Recent Trends in Engineering and Technology 2021 (RTET-2021)	Power Quality Improvement in Microgrid Distribution System by Using Advanced SAPF Compensation Technique	Recent Trends in Energy	Recent Trends in Energy	National	2021	978-81-954701-0-5	NTUA, ANANTAPURAM	KSRM College of Engineering (Autonomous)
2	A Ravi Theja and C Sashidhar	Advanced Self-healing Materials in Concrete Composites: Effect of Self-healing Materials in Concrete				International	2021	978-6200442970	NTUA, ANANTAPURAM	LAP LAMBERT Academic Publishing
AY (2018-19)										
1	A. Ravitheja	Sustainable Construction and Building Materials	Effect of Nano-Silica and GGBS on the Strength Properties of Fly Ash-Based Geopolymers	Construction and Building	Construction and Building	International	2019	978-981-13-3317-0	NTUA, ANANTAPURAM	link.springer
AY (2017-18)										
1	A Ravi Theja	Effect of foundry sand and mineral admixtures on mechanical properties				International	2018	978-6139902743	NTUA, ANANTAPURAM	LAP LAMBERT Academic Publishing
2	M. Mahaboob Basha	VLSI Design: Circuits, Systems and Applications	Design of Ultra-Low-Voltage Energy Efficient Hybrid Full Adder Circuit	Electrical Engineering (Conference on Next Generation)	Conference on Next Generation	International	2018	978-981-10-7251-2	NTUA, ANANTAPURAM	Springer, Singapore

Sand has been used for centuries as a moulding material in ferrous and non-ferrous metal casting industries because of its thermal conductivity. Foundries successfully recycle and reuse the sand many times in a foundry. When the sand can no longer be reused in the foundry, it is removed from the foundry and is termed as USED FOUNDRY SAND (UFS) or WASTE FOUNDRY SAND (WFS). This used foundry sand waste can be utilized for the preparation of concrete as partial replacement of sand. In order to explore the possibility of utilizing the used foundry sand as partial replacement to fine aggregate, an experimental investigation has been carried out. The strength properties such as Compressive, Split tensile and Flexural strengths of M25 grade concrete are studied with different percentage replacement of fine aggregate by used foundry sand for 0%, 10%, 20%, 30%, 40%, and 50%. The optimum percentage of used foundry sand in concrete corresponding to maximum strength will be identified.



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A. Ravitheja is research scholar from Jawaharlal Nehru Technological University, Anantapur and obtained his Master's degree from G Pulla Reddy Engineering College, in the year of 20013- 2015.

Effect of foundry sand and mineral admixtures on mechanical properties



978-613-9-90274-3

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The self healing capacity of cementitious composites employed for either new or repairing applications opens challenging perspectives for the use of construction materials intrinsically able to recover its pristine durability levels, thus their guaranteeing a longer service life of the designed applications and a performance less sensitive to environmental induced degradation. One possibility of achieving the aforementioned self healing capacity stands in the use of additives featuring a "crystalline" activity. Such cracks, if not repaired, act as hotspots from where the aggressive agents penetrate and further weaken the structure by adversely affecting the steel bar integrity. In order to approach the investigation, besides conventional concrete (with and without the aforementioned admixtures) the characterization of the self healing capacity of High strength concrete with steel fibers and combination with the natural ones was also studied, i.e. their capacity to completely reseal cracks, as a function of the material composition.



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C Sashidhar

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Advanced Self healing Materials in Concrete Composites

Effect of Self healing Materials in Concrete



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2022

HIGH VOLTAGE ENGINEERING

**Dr. Potluri Sankar Babu | G. Hussain Basha
K. Sudarshan Reddy | K. Meenendranath Reddy**

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POWER QUALITY

POWER QUALITY



Editors

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INDIA



Design is defined as a creative physical realization of theoretical concepts. An electric machine is an electro-mechanical energy conversion device, which converts mechanical energy into electrical energy and vice versa. When the machine converts mechanical energy into electrical energy it is called a generator. When the machine converts electrical energy into mechanical energy it is called a motor. A part of the energy is converted to heat. This energy is lost and cannot be recovered. An electrical machine can be designed to operate either as a generator or as a motor. Faraday's law of electromagnetic induction states that e.m.f. induced in a closed electric circuit is equal to the rate of change flux linkages. There are different specific tasks to be performed by the electrical machines. The design of electrical machines/equipment for specific applications is based upon the application of theoretical scientific concepts, technology, and related inventions. The suitable design depends upon the proper adjustment of the iron portion, copper, air gap, insulation, ventilation, and cooling of the machine.



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K. MEENENDRANATH REDDY
MAHESH MUDAVATH
N. BALAVENKATA MUNI

ELECTRICAL MACHINE DESIGN

Applications of Science and Technology



REDDY, MUDAVATH, MUNI

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AI APPLICATIONS

APPLICATIONS

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