



([HTTPS://WWW.FACEBOOK.COM/IAEMEPUBLICATION](https://www.facebook.com/iaemepublication))



([HTTPS://TWITTER.COM/IAEMEEDITOR](https://twitter.com/iaemeeditor))



([HTTPS://WWW.LINKEDIN.COM/IN/IAEME-PUBLICATION-7BAA347B](https://www.linkedin.com/in/iaeme-publication-7baa347b))




([HTTPS://IAEMEPUBLICATION.WORDPRESS.COM/](https://iaemepublication.wordpress.com/))



([HTTPS://WWW.YOUTUBE.COM/CHANNEL/UC5LDNVEVFV6SWJDMTDH_AQQ](https://www.youtube.com/channel/UC5LDNVEVFV6SWJDMTDH_AQQ))

ESTD YEAR : 2009

Most Popular Research Articles (<https://iaeme.com/Home/dhet>)  Call For Paper May - 2023

(https://iaeme.com/uploads/IAEME_Publication_Call_for_Paper_May_2023.pdf)  Submit Online

(https://iaeme.com/Page/online_paper_submission)

 Search



(https://iaeme.com/Page/open_access) Scopus Indexed

Journals (https://iaeme.com/Page/scopus_indexed)

26058 Articles From 160 Journals

Home ([Https://iaeme.Com/](https://iaeme.com/))

> INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN ENGINEERING AND TECHNOLOGY (IJARET)



IJARET

INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN
ENGINEERING AND TECHNOLOGY (IJARET)

ISSN Print: 0976-6480

ISSN Online: 0976-6499

Website: <https://iaeme.com/Home/journal/IJARET>
(<https://iaeme.com/Home/journal/IJARET>)



Email: editor@iaeme.com (mailto:editor@iaeme.com) , iaemedu@gmail.com
(mailto:iaemedu@gmail.com)

Articles Published: 3227

Journal ID: 1793-4637 (<https://iaeme.com/Home/journal/IJARET>).

Current Issue (https://iaeme.com/Home/current_issue/IJARET) Peer Review Policies
(https://iaeme.com/Home/journal_editorial_policy/IJARET) Publication Ethics
(https://iaeme.com/Home/publication_ethics/IJARET) Submit Online
(https://iaeme.com/Page/online_paper_submission)

Articles **Archive (<https://iaeme.com/Home/issue/IJARET?Volume=14&Issue=4>)**

Subject Area

Indexing **Aims & Scope** **Editorial Board (https://iaeme.com/Home/editorial_board/IJARET)**

For Authors **Publication Fees**

Subject Area

The topics to be covered by this journal include but are not limited to the following fields:

- General Engineering
- Decision Sciences
- Earth and Planetary Sciences
- Business
- Management and Accounting
- Biochemistry
- Genetics and Molecular Biology
- Environmental Science
- Chemical Engineering
- Electrical
- Electronics and Computer Engineering
- Information Engineering and Technology
- Mechanical
- Industrial and Manufacturing Engineering
- Automation and Mechatronics Engineering
- Material and Chemical Engineering
- Civil and Architecture Engineering
- Biotechnology and Bio Engineering
- Environmental Engineering
- Petroleum and Mining Engineering
- Marine and Agriculture engineering
- Aerospace Engineering

IJARET Journal Stats >>

Publication years	2010-2023
Publication count	3227
Total Volumes	14
Total Issues	99
Downloads	190321
Views	607306
Downloads/article	58.98

Email: editor@iaeme.com (mailto:editor@iaeme.com) , iaemedu@gmail.com
(mailto:iaemedu@gmail.com)

Articles Published: 3227

Current Issue (https://iaeme.com/Home/current_issue/IJARET) Peer Review Policies
(https://iaeme.com/Home/journal_editorial_policy/IJARET) Publication Ethics
(https://iaeme.com/Home/publication_ethics/IJARET) Submit Online
(https://iaeme.com/Page/online_paper_submission)

Articles **Archive** (<https://iaeme.com/Home/issue/IJARET?Volume=14&Issue=4>) **Subject Area**

Indexing **Aims & Scope** **Editorial Board** **For Authors** **Publication Fees**

Chief Editor

Dr. S. Balasubramanian

IAEME Publication, Chennai, India

Editorial Board:

Dr. Kadhim Naief Kadhim

Professor, Department of Civil Engineering, College of Engineering, University of Babylon, IRAQ

Dr. G. Arthanareeswaran

Department of Chemical Engineering, National Institute of Technology, Trichy, India

Dr. N. Kannan

St. Mary's School of Management Studies, India

Dr. V. Antony Joe Raja

Sri Muthukumaran Institute of Technology, India

Prof. B. Arthi Gandhimathi

IAEME Publication, India

Dr. N. Tamil Selvan

RVS College of Engineering & Technology, Coimbatore, India

Mr. R. P. Gopinath

IAEME Publication, India

Dr. Sridhar Iyer

Professor, Department of Computer Science and Engineering Indian Institute of Technology Bombay, Mumbai, India

Dr. Ajeet kumar rai

SSET, SHIATS-DU, Allahabad, India

Dr. Mohamed Kchaou

University Of Sousse, Tunisia

Dr. Chao Wang

Nanyang Technological University, Singapore.

Dr. Mohd Azman Bin Abdullah

University Teknikal Malaysia Melaka, Malaysia.

Dr. Fateh Mebarek-Oudina

Skikda University, Algeria.

Dr. Mohamed saber mohamed gad nemat alla

National research centre (nrc) el dokki, Giza, Egypt

Dr. Barish dantal

Application Development Engineer, Momentive Performance Materials, US

Dr. Moises diaz-cabrera

University of Las Palmas de Gran Canaria, Spain

Dr. Irvan dahlan

University sains Malaysia.

Dr. Najm alghazali

Babylon university, Iraq.

Dr. Mansour Jadid

University of Dammam, Dammam, Saudi Arabia

Dr. Mohammed Al Mohsin

University of Buraimi, Oman

Dr. Pei tang

JCMS, Inc- Mercerville, USA

Dr. Manish kewalramani

College of Engineering, Abu Dhabi University, Abu Dhabi, UAE.

Dr. Nazimabdulnariman

Bauhaus University Weimar, Germany.

Dr. Yongwei shan

Oklahoma state university, USA.

Dr. Saleh abd el-aleem mohammed

Faculty of Science, Fayoum University, Fayoum, Egypt.

Dr. S. Kishore reddy

Adama Science & Technology University, Ethiopia.

Dr. Aldona kuśmińska-fijałkowska

Colorado Technical University, USA

Dr. Bensafi abd-el-hamid

Abou Bekr Belkaid University of Tlemcen, Algeria.

Dr. K.V.I.N.Acharyulu

Bapatla Engineering College, Bapatla, India

Dr. Vishnu narayan mishra

Sardar Vallabhbhai National Institute of Technology, India

Dr. A.Elaya perumal

Anna University, India

Dr. Madhu

Government Engg. College, KRPET, India

Dr. G. Arthanareeswaran

NIT Trichy, India

Dr. T. R. Vijayaram

VIT University, Chennai, India

Dr. Sunil kumar

National Institute of Technology, India

Dr. Ratri parida

IIT Kharagpur, India

Dr. Waldemar Nowakowski

Kazimierz Pulaski University of Technology and Humanities, Poland

Dr. Parin Shah

Institute of Technology, Nirma University, India

Dr. Ashok Tripathi

SHIATS, Allahabad, India

Dr. H.T.Basavarajappa

University of Mysore, India

Dr. R. Dilli Babu

Department of Industrial Engineering, Anna University, Chennai-India

Dr. Nilaj N. Deshmukh

Fr.C.Rodrigues Institute of Technology, India

Dr. Wilson Udo Udofia

University of Uyo, Nigeria

Dr. Satish kumar Moparthy

Kallam Haranadha Reddy Institute of Technology, Andhra Pradesh, India

Dr. H. Erdem Çamurlu

Akdeniz University, TÜRKİYE

Dr. GIRISHA L

PES Institute of Technology and Management, Karnataka, India

Dr. M. Mubarak

Karpagam College of Engineering, Tamilnadu, India

Dr. Ahmed Daabo

University of Mosul, Mosul, Iraq

Dr. R. Sharmila

Er.Perumal Manimekalai College of Engineering, Tamilnadu, India

Dr. Mourad HEBALI

University Mustafa Stmboli, Algeria

Dr. Hao Yi

Chongqing University, China

Dr. Ahmed Kawther Hussein

Mustansiriyah University, Baghdad, Iraq

Dr. Bambang Leo Handoko

Bina Nusantara University of Indonesia

Dr. T.Phani Madhavi

Professor, Department of Civil Engineering, Bapatla Engineering College, Andhra Pradesh, India

Dr. Prateek Nigam

Bansal College of Engineering, Madhya Pradesh, India

Dr. D. Narasimhan

SASTRA Deemed University, Tamilnadu, India

Prof. Taher Anwar Tawfik

Higher Institute for Engineering, 6 October City, Egypt

Dr. Mohamed KCHAOU

College of Engineering, University of Bisha, Saudi Arabia; National Engineering School of Sfax, University of Sfax, Tunisia

Dr. A R Pradeep Kumar

Dhanalakshmi College of Engineering, Tamilnadu, India

Dr. C. Kamalanathan

GITAM Deemed to be University, Andhra Pradesh, India

Dr. Olha V. Prokopenko

International Humanitarian University, Ukraine

Dr. Iryna Bashynska

Odessa National Polytechnic University

Dr. Shahzad Ashraf

Hohai University, Changzhou Campus, China

Dr. Francesco Abbondati

Parthenope University of Napoli, Italy

Dr. Dhanasekaran S

Annamalai University, Tamil Nadu, India

Dr. Naga Swetha Pasupuleti

Associate Professor, Head – International Research & Collaborations Cell, Galgotias University, Greater Noida, India.

Prof. Ruqayah K Mohammed

Faculty Member in Civil Engineering Department, Babylon University, Iraq.

Dr. Mohamed Guendouz

Lecturer, University of Medea, Algeria

Dr. Mahdi Hosseini

Research Scientist, Department of Civil Engineering, Jawaharlal Nehru Technological University Hyderabad, India.

Dr. Hesham A. Numan

Mustansiriyah University, Faculty of Engineering, Civil Engineering Department, Baghdad, Iraq.

Dr. N. Pannirselvam

Associate Professor, Department of Civil Engineering, SRM Institute of Science and Technology, Chennai, India.

Dr. T. Kamatchi

Associate Professor, Mechanical Department, Velammal College of Engineering and Technology, Tamilnadu, India.

Dr. A.N. Jha

Department of Electrical Engineering, Indian Institute of Technology, New Delhi, India.

Prof. Isma-ae Chelong

Assistant Professor, Faculty of Science Technology and Agriculture, Yala Rajabhat University, Thailand

Prof. Ing. Giorgio Frunzio

Department of Architecture and Disease Industrial, University of Campania Luigi Vanvitelli, Italy

Dr. A. Mallikarjuna Reddy

Assoc. Professor, CSE Department, Anurag Group of Institutions(Autonomous), Hyderabad, India

Dr. Aaisha Makkar

Research Associate, International Project on Cyber Security, Punjab, India

Dr. Ravindran Mariappan

Associate Professor, (SG), Electrical and Electronics Engineering Department, National Engineering College, Kovilpatti, Tamilnadu, India

Prof. Uma Govindarajan

Professor & Head of Electrical and Electronic Engineering Department, College of Engineering Guindy, Anna University, Tamil Nadu, India

Dr. S.M.Chaware

Professor, Computer Engineering, ISO, IQAC and NBA Coordinator, Marathwada Mitramandal's College of Engineering, Pune-India

Dr. Irvan Dahlan

Universiti Sains Malaysia, Malaysia

Dr. Mansour Jadid

University of Dammam, Dammam, Saudi Arabia

Dr. Nazimabdulnariman

Bauhaus Universitat Weimar, Germany

Dr. Saleh Abd El-Aleem Mohammed

Faculty of Science, Fayoum University, Fayoum, Egypt

Dr. Venkata Ragahavendra Miriampally

Adama Science & Technology University, Ethiopia

Dr. Sukumar Senthilkumar

Chon Buk National University, South Korea

Dr. Sattar J Aboud

Anglia Ruskin University, UK

Dr. M. H. Raza

Dalhousie University, Canada

Dr. Mohammed.Faisal

Nizwa College of Technology, OMAN

Dr. Dheyaa J. Kadhim

College of Engineering, University of Baghdad, Iraq

Dr. Mohammed Ali Hussain

Sri Sai Madhavi Institute of Science & Technology, India

Dr. A.K.Sen

Principal, St. Francis Institute of Technology, Mumbai University, India

Ms. Niharikareddy Meenigea

Data Analyst, Department of Business Administration, Virginia International University, Fairfax, VA, United States

Email : Meenigeaniharika@gmail.com (mailto:Meenigeaniharika@gmail.com)

Dr. Suryakant B Patil

JSPM's ICOER, Wagholi, Pune, India

Dr. A.Udayakumar

Hindustan University, India

Dr. V.Baskaran

Bannari Amman Institute of Technology, India

Dr. Uday Kumar

Mahatma Gandhi Institute of Technology, India

Dr. A. G. Matani

Govt. College of Engg, Amravati, India

Dr. P.Muthupriya

Sri Krishna College of Technology, Coimbatore, India

Dr. Nkolika Joy Peter

Covenant University, Nigeria

Dr. J.B. Seventiline

Professor and Assistant Principal of GITAM Institute of Technology under GITAM, Gandhi Nagar, Rushikonda, Visakhapatnam, Andhra Pradesh 530045.

Dr. R.Neela

Professor of Electrical Engineering, Annamalai University, Tamilnadu, India

Dr. Manikandan Parasuraman

Professor, Computer Science and Engineering Department, Malla Reddy Engineering College for Women, Maisammaguda, Secunderabad, Telangana, India.

Prof. Ravi Kumar Yeda

Scientist-G, SINT (E) Division, Defence Electronics Research Laboratory (DLRL), Naseeb Nagar, Chandrayangutta, Hyderabad, Telangana, India

Prof. L. Premalatha

Department of Electrical Engineering, VIT University, Chennai, India

Dr. Tanuja K Sarode

Professor and Head, Department of Computer Engineering, Thadomal Shahani Engineering College, Mumbai, India

Dr. MaruthuPandi Perumal

Assistant Professor, Department of Electrical and Electronics Engineering, Govt. College of Technology, Coimbatore, Tamilnadu, India

Prof. Balakrishnan Pappan

Associate Professor, Department of Electrical Engineering, Malla Reddy Engineering College for Women, Maisammaguda, Telangana, India

Dr. Sivarani Thankamony Saradadevi

Professor, Department of Electrical and Electronics Engineering, Arunachala College of Engineering for women, Anna University, Chennai, Tamilnadu, India

Dr. Moturi Satyanarayana

Professor, Department of ECE, MVGR College of Engineering (A), Vijayanagaram, Andhra Pradesh, India

Dr. Gowri Manohar T

Department of Electrical & Electronics Engineering, Sri Venkateswara University College of Engineering, Tirupati, Andhra Pradesh

Mr. Shiwen Zhao

Electrical Engineering, Nari Group Corporation Information & Communication Technology Co. Ltd,
Pukou Qu, Nanjing, China

Dr. Umapathi Reddy P

Professor, Department of Electrical Engineering, Sree Vidyanikethan Engineering College, Tirupati,
Andhra Pradesh, India

Dr. Kiranmayi R

Professor & Head of Department, Department of Electrical Engineering, JNTUA, Anantapur, Andhra
Pradesh, India

Dr. Bikshalu Kalagadda

Assistant Professor, Department of ECE, Kakatiya University College of Engineering and Technology
(KUCET), Kakatiya University, Warangal, Telangana, India

Dr. S. Sophia

Professor and Head, Department of Electronics and Communication Engineering, Sri Krishna College
of Engineering and Technology, Coimbatore, Tamilnadu, India

Dr. Raad N. Butris

Department of Mathematics, College of Basic Education, University of Duhok, Iraq

Dr. AshokKumar Ramaswamy

Professor, Department of Electrical Engineering, Annamalai University, Tamil Nadu, India

Prof. Adireddy Rajasekhar Reddy

Professor, Department of Computer Science and Engineering, NBKR Institute of Science and
Technology, Nellore, Andhra Pradesh, India

Dr. Appini Narayana Rao

Associate Professor, Department of Computer Science and Engineering, NBKR Institute of Science and
Technology, Andhra Pradesh, India

Dr. Annapurani Panaiyappan K

Associate Professor, Department of Computer Science and Engineering, SRM Institute of Science and
Technology, Kattankulathur, India

Mr. Venkata Naga Satya Surendra Chimakurthi

Solutions Architect, Cognizant Technology Solutions, USA

Prof. Sandeep Chaware

Professor, IT Department Rajarshi Shahu College of Engineering, Pune, India

Dr. Vikram Mohanlal Agrawal

Assistant Professor, Computer Engineering Department, B & B Institute of Technology (SFI), Gujarat, India

Mr. Samrajyam Singu

Software Developer, Vanguard, USA

Email : Samrajyam_singu@vanguard.com
(mailto:Samrajyam_singu@vanguard.com)

Mr. Ashok Kumar Reddy Nadikattu

Researcher/Sr. Software Engineer, Arisoft Solutions, USA

Email : Reddyashok541@gmail.com (mailto:Reddyashok541@gmail.com)

Dr. Belwin Edward Jeyaraj

Associate Professor, School of Electrical Engineering, Vellore Institute of Technology (VIT), Vellore, Tamilnadu, India

Dr. Inderjeet Kaur

Ajay Kumar Garg Engineering College, Ghaziabad, India

IJARET Journal Stats >>

Publication years	2010-2023
Publication count	3227
Total Volumes	14
Total Issues	99
Downloads	190321
Views	607306
Downloads/article	58.98

- Open Special Issue (https://iaeme.com/Home/special_issue/IJARET)

Journal Statistics (https://iaeme.com/Home/journal_statistics/IJARET)

Citation Analysis >>

Email: editor@iaeme.com (mailto:editor@iaeme.com) , iaemedu@gmail.com
(mailto:iaemedu@gmail.com)

Articles Published: 3227

Current Issue (https://iaeme.com/Home/current_issue/IJARET) Peer Review Policies
(https://iaeme.com/Home/journal_editorial_policy/IJARET) Publication Ethics
(https://iaeme.com/Home/publication_ethics/IJARET) Submit Online
(https://iaeme.com/Page/online_paper_submission)

[Articles](#)

[Archive \(https://iaeme.com/Home/issue/IJARET?Volume=14&Issue=4\)](https://iaeme.com/Home/issue/IJARET?Volume=14&Issue=4)

[Subject Area](#)

[Indexing](#)

[Aims & Scope](#)

[Editorial Board](#)

[For Authors](#)

[Publication Fees](#)

Aim and Scope

- **International Journal of Advanced Research in Engineering and Technology (IJARET)** is a peer-reviewed, open access, interdisciplinary and fully refereed journal that publishes original research articles and review articles in all areas of Engineering and Technology. Papers should focus on technical applications and developing research at the cutting edge of the all Engineering and Technology related discipline.
- The aim of the journal is to provide academicians, researchers and professionals a platform to share cutting-edge development in the field of Engineering and Technology.
- **International Journal of Advanced Research in Engineering and Technology (IJARET)** is a journal promoting the discovery, innovation, advancement and dissemination of basic and transitional knowledge in engineering, technology and related disciplines.

IJARET Journal Stats >>

Publication years	2010-2023
Publication count	3227
Total Volumes	14
Total Issues	99
Downloads	190321
Views	607306
Downloads/article	58.98

- Open Special Issue (https://iaeme.com/Home/special_issue/IJARET)

[2023 \(https://iaeme.com/Home/issue/IJARET?Volume=14&Issue=4\)](https://iaeme.com/Home/issue/IJARET?Volume=14&Issue=4)

[2022 \(https://iaeme.com/Home/issue/IJARET?Volume=13&Issue=12\)](https://iaeme.com/Home/issue/IJARET?Volume=13&Issue=12)

[2021 \(https://iaeme.com/Home/issue/IJARET?Volume=12&Issue=12\)](https://iaeme.com/Home/issue/IJARET?Volume=12&Issue=12)

[2020 \(https://iaeme.com/Home/issue/IJARET?Volume=11&Issue=12\)](https://iaeme.com/Home/issue/IJARET?Volume=11&Issue=12)

[2019 \(https://iaeme.com/Home/issue/IJARET?Volume=10&Issue=6\)](https://iaeme.com/Home/issue/IJARET?Volume=10&Issue=6)

[2018 \(https://iaeme.com/Home/issue/IJARET?Volume=9&Issue=6\)](https://iaeme.com/Home/issue/IJARET?Volume=9&Issue=6)

[2017 \(https://iaeme.com/Home/issue/IJARET?Volume=8&Issue=6\)](https://iaeme.com/Home/issue/IJARET?Volume=8&Issue=6)

[2016 \(https://iaeme.com/Home/issue/IJARET?Volume=7&Issue=6\)](https://iaeme.com/Home/issue/IJARET?Volume=7&Issue=6)

[2015 \(https://iaeme.com/Home/issue/IJARET?Volume=6&Issue=12\)](https://iaeme.com/Home/issue/IJARET?Volume=6&Issue=12)

[2014 \(https://iaeme.com/Home/issue/IJARET?Volume=5&Issue=12\)](https://iaeme.com/Home/issue/IJARET?Volume=5&Issue=12)

[2013 \(https://iaeme.com/Home/issue/IJARET?Volume=4&Issue=7\)](https://iaeme.com/Home/issue/IJARET?Volume=4&Issue=7)

[2012 \(https://iaeme.com/Home/issue/IJARET?Volume=3&Issue=2\)](https://iaeme.com/Home/issue/IJARET?Volume=3&Issue=2)

[2011 \(https://iaeme.com/Home/issue/IJARET?Volume=2&Issue=1\)](https://iaeme.com/Home/issue/IJARET?Volume=2&Issue=1)

[2010 \(https://iaeme.com/Home/issue/IJARET?Volume=1&Issue=1\)](https://iaeme.com/Home/issue/IJARET?Volume=1&Issue=1)

[2020 »](#)

[12 \(https://iaeme.com/Home/issue/IJARET?Volume=11&Issue=12\)](https://iaeme.com/Home/issue/IJARET?Volume=11&Issue=12)

[11 \(https://iaeme.com/Home/issue/IJARET?Volume=11&Issue=11\)](https://iaeme.com/Home/issue/IJARET?Volume=11&Issue=11)

[10 \(https://iaeme.com/Home/issue/IJARET?Volume=11&Issue=10\)](https://iaeme.com/Home/issue/IJARET?Volume=11&Issue=10)

[9 \(https://iaeme.com/Home/issue/IJARET?Volume=11&Issue=9\)](https://iaeme.com/Home/issue/IJARET?Volume=11&Issue=9)

[8 \(https://iaeme.com/Home/issue/IJARET?Volume=11&Issue=8\)](https://iaeme.com/Home/issue/IJARET?Volume=11&Issue=8)

[7 \(https://iaeme.com/Home/issue/IJARET?Volume=11&Issue=7\)](https://iaeme.com/Home/issue/IJARET?Volume=11&Issue=7)

[6 \(https://iaeme.com/Home/issue/IJARET?Volume=11&Issue=6\)](https://iaeme.com/Home/issue/IJARET?Volume=11&Issue=6)

[5 \(https://iaeme.com/Home/issue/IJARET?Volume=11&Issue=5\)](https://iaeme.com/Home/issue/IJARET?Volume=11&Issue=5)

[4 \(https://iaeme.com/Home/issue/IJARET?Volume=11&Issue=4\)](https://iaeme.com/Home/issue/IJARET?Volume=11&Issue=4)

[3 \(https://iaeme.com/Home/issue/IJARET?Volume=11&Issue=3\)](https://iaeme.com/Home/issue/IJARET?Volume=11&Issue=3)

[2 \(https://iaeme.com/Home/issue/IJARET?Volume=11&Issue=2\)](https://iaeme.com/Home/issue/IJARET?Volume=11&Issue=2)

[1 \(https://iaeme.com/Home/issue/IJARET?Volume=11&Issue=1\)](https://iaeme.com/Home/issue/IJARET?Volume=11&Issue=1)

Volume 11, Issue 4, April 2020 , Articles Published : 61

Cover Page, Table of Contents and Others: PDF

https://iaeme.com/uploads/CONTENTS2022_11_16_18_54_36.pdf

1 . SUSTAINABLE DEVELOPMENT AND ARCHITECTURE: A CONCEPTUAL BASED ON RELIGIOUS PERSPECTIVES https://iaeme.com/Home/article_id/IJARET_11_04_001

Aulia Fikriarini Muchlis (https://iaeme.com/Home/author_details/6370) ; Dewi Larasati

(https://iaeme.com/Home/author_details/6371) ; Sugeng Triyadi S

(https://iaeme.com/Home/author_details/6372)

Article Id : IJARET_11_04_001 (https://iaeme.com/Home/article_id/IJARET_11_04_001), Pages : 1-6

INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN ENGINEERING AND TECHNOLOGY (IJARET), (<https://iaeme.com/Home/journal/IJARET>)Volume 11, Issue 4, April 2020

Published On : April 01,2020

152 Downloads 300 Views 0 Citation

2 . THE COMBINATION THERAPY OF MICRONEEDLING AND SUBCISION WITH PLATELET RICH PLASMA (PRP) VERSUS PLATELET RICH FIBRIN MATRIX (PRFM) ON ROLLING AND BOXSCAR TYPE ACNE SCAR (CASE SERIES) (https://iaeme.com/Home/article_id/IJARET_11_04_002)

Ance Imelda Betaubun (https://iaeme.com/Home/author_details/83402) ; Ety Farida (https://iaeme.com/Home/author_details/83403) ; Anggana Rafika Paramitasari (https://iaeme.com/Home/author_details/83404) ; Willa Damayanti (https://iaeme.com/Home/author_details/83405) ; Susanti Rosmala Dewi (https://iaeme.com/Home/author_details/83406) ; Moerbono Mochtar (https://iaeme.com/Home/author_details/83407) ; Indah Julianto (https://iaeme.com/Home/author_details/83408)

Article Id : IJARET_11_04_002 (https://iaeme.com/Home/article_id/IJARET_11_04_002), Pages : 7-11

INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN ENGINEERING AND TECHNOLOGY (IJARET), (<https://iaeme.com/Home/journal/IJARET>)Volume 11, Issue 4, April 2020

Published On : April 01,2020

45 Downloads 146 Views 0 Citation

3 . AN INTELLIGENT ALZHEIMER`S DISEASE PREDICTION USING CONVOLUTIONAL NEURAL NETWORK (CNN) (https://iaeme.com/Home/article_id/IJARET_11_04_003)

L.Dharshana Deepthi (https://iaeme.com/Home/author_details/6400) ; D.Shanthi (https://iaeme.com/Home/author_details/6401) ; M.Buvana (https://iaeme.com/Home/author_details/6402)

Article Id : IJARET_11_04_003 (https://iaeme.com/Home/article_id/IJARET_11_04_003), Pages : 12-22

INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN ENGINEERING AND TECHNOLOGY (IJARET), (<https://iaeme.com/Home/journal/IJARET>)Volume 11, Issue 4, April 2020

Published On : April 02,2020

28 Downloads 102 Views 0 Citation

4 . IMPROVING CLASSIFICATION ACCURACY IN CROWD SOURCING WITH RANDOM FOREST ALGORITHM (https://iaeme.com/Home/article_id/IJARET_11_04_004)

R Shobana (https://iaeme.com/Home/author_details/6405) ; P.Gokulakrishnan (https://iaeme.com/Home/author_details/6406) ; N.Umamaheswari (https://iaeme.com/Home/author_details/6407)

Article Id : IJARET_11_04_004 (https://iaeme.com/Home/article_id/IJARET_11_04_004), Pages : 23-33

INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN ENGINEERING AND TECHNOLOGY (IJARET), (<https://iaeme.com/Home/journal/IJARET>)Volume 11, Issue 4, April 2020

Published On : April 03,2020

37 Downloads 112 Views 0 Citation

5 . BINARY DRAGONFLY ALGORITHM BASED OPTIMAL PMU PLACEMENT CONSIDERING CONTINGENCY CONSTRAINTS (https://iaeme.com/Home/article_id/IJARET_11_04_005)

C. D. Patel (https://iaeme.com/Home/author_details/81184) ; T. K. Tailor (https://iaeme.com/Home/author_details/81185) ; S. S. Shah (https://iaeme.com/Home/author_details/81186) ; S. H. Srivastava (https://iaeme.com/Home/author_details/81187)

Article Id : IJARET_11_04_005 (https://iaeme.com/Home/article_id/IJARET_11_04_005), Pages : 34-43

INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN ENGINEERING AND TECHNOLOGY (IJARET), (<https://iaeme.com/Home/journal/IJARET>)Volume 11, Issue 4, April 2020

Published On : April 04,2020

37 Downloads 114 Views 0 Citation

6 . AN IMPROVED IDENTIFICATION METHOD OF ABDOMINAL AORTIC ANEURYSM USING EXUDATE SEGMENTATION AND DNN (https://iaeme.com/Home/article_id/IJARET_11_04_006)

S. Anandh (https://iaeme.com/Home/author_details/6409) ; R. Vasuki (https://iaeme.com/Home/author_details/6435) ; Y. Premila Rachelin (https://iaeme.com/Home/author_details/5131)

Article Id : IJARET_11_04_006 (https://iaeme.com/Home/article_id/IJARET_11_04_006), Pages : 44-56

INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN ENGINEERING AND TECHNOLOGY (IJARET), (<https://iaeme.com/Home/journal/IJARET>)Volume 11, Issue 4, April 2020

Published On : April 04,2020

33 Downloads 104 Views 0 Citation

7 . MODIFICATION OF 30 GT FISHING VESSELS USING HULL VANE NACA 2408 TYPE FOR REDUCING SHIP RESISTANCE (https://iaeme.com/Home/article_id/IJARET_11_04_007)

Deddy Chrismianto (https://iaeme.com/Home/author_details/62022) ; Hartono Yudo (https://iaeme.com/Home/author_details/6442) ; Kiryanto (https://iaeme.com/Home/author_details/6443) ; Narendra Rangga Dewa (https://iaeme.com/Home/author_details/6444)

Article Id : IJARET_11_04_007 (https://iaeme.com/Home/article_id/IJARET_11_04_007), Pages : 57-62

INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN ENGINEERING AND TECHNOLOGY (IJARET), (<https://iaeme.com/Home/journal/IJARET>)Volume 11, Issue 4, April 2020

Published On : April 06,2020

36 Downloads 123 Views 0 Citation

8 . MALICIOUS URL DETECTION SYSTEM USING COMBINED SVM AND LOGISTIC REGRESSION MODEL (https://iaeme.com/Home/article_id/IJARET_11_04_008)

R. Naresh (https://iaeme.com/Home/author_details/76802) ; Ayon Gupta (https://iaeme.com/Home/author_details/76803) ; Sanghamitra Giri (https://iaeme.com/Home/author_details/76804)

Article Id : IJARET_11_04_008 (https://iaeme.com/Home/article_id/IJARET_11_04_008), Pages : 63-73

INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN ENGINEERING AND TECHNOLOGY (IJARET), (<https://iaeme.com/Home/journal/IJARET>)Volume 11, Issue 4, April 2020

Published On : April 07,2020

29 Downloads 102 Views 0 Citation

9 . PSO OPTIMIZATION WITH PROBABILISTIC DISCERNING ABDOMINAL AORTIC ANEURYSM BASED NEURAL NETWORK (https://iaeme.com/Home/article_id/IJARET_11_04_009)

S. Anandh (https://iaeme.com/Home/author_details/6409) ; R. Vasuki (https://iaeme.com/Home/author_details/6435) ; Y. Premila Rachelin (https://iaeme.com/Home/author_details/79590)

Article Id : IJARET_11_04_009 (https://iaeme.com/Home/article_id/IJARET_11_04_009), Pages : 74-87

INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN ENGINEERING AND TECHNOLOGY (IJARET), (<https://iaeme.com/Home/journal/IJARET>)Volume 11, Issue 4, April 2020

Published On : April 08,2020

25 Downloads 103 Views 0 Citation

10 . THE ROLE OF INTELLECTUAL PROPERTY RIGHTS IN TECHNOLOGY TRANSFER IN THE CONTEXT OF ENGINEERING SECTOR (https://iaeme.com/Home/article_id/IJARET_11_04_010)

A.Shanmuga Sundaram (https://iaeme.com/Home/author_details/77045) ; P.R.L.Rajavenkatesan (https://iaeme.com/Home/author_details/77046) ; E.Prema (https://iaeme.com/Home/author_details/77047)

Article Id : IJARET_11_04_010 (https://iaeme.com/Home/article_id/IJARET_11_04_010), Pages : 88-91

INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN ENGINEERING AND TECHNOLOGY (IJARET), (<https://iaeme.com/Home/journal/IJARET>)Volume 11, Issue 4, April 2020

Published On : April 10,2020

23 Downloads 93 Views 0 Citation

11 . DEVELOPMENTAL IMPACT OF METRO STATION IN ITS SURROUNDING LAND USE – A CASE STUDY OF CHENNAI METRO RAIL CORRIDOR (https://iaeme.com/Home/article_id/IJARET_11_04_011)

D. Karthigeyan (https://iaeme.com/Home/author_details/5109) ; Sheeba Chander (https://iaeme.com/Home/author_details/5110)

Article Id : IJARET_11_04_011 (https://iaeme.com/Home/article_id/IJARET_11_04_011), Pages : 92-99

INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN ENGINEERING AND TECHNOLOGY (IJARET), (<https://iaeme.com/Home/journal/IJARET>)Volume 11, Issue 4, April 2020

Published On : April 11,2020

30 Downloads 85 Views 0 Citation

12 . ENVIRONMENTAL ASSESSMENT OF MINOR RIVERS FLOWING WITHIN THE BOUNDARIES OF NIZHNY NOVGOROD (https://iaeme.com/Home/article_id/IJARET_11_04_012)

Andrey Vladimirovich Kozlov (https://iaeme.com/Home/author_details/6495) ; Nataliya Nikolaevna Koposova (https://iaeme.com/Home/author_details/6496) ; Irina Pavlovna Uromova (https://iaeme.com/Home/author_details/6497) ; Aleksandra Viktorovna Volkova (https://iaeme.com/Home/author_details/6498) ; Irina Valeryevna Vershinina (https://iaeme.com/Home/author_details/6499) ; Yuri Mikhailovich Avdeev (https://iaeme.com/Home/author_details/6500) ; Anna Yuryevna Veselova (https://iaeme.com/Home/author_details/6501)

Article Id : IJARET_11_04_012 (https://iaeme.com/Home/article_id/IJARET_11_04_012), Pages : 100-107

INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN ENGINEERING AND TECHNOLOGY (IJARET), (<https://iaeme.com/Home/journal/IJARET>)Volume 11, Issue 4, April 2020

Published On : April 11,2020

21 Downloads 100 Views 0 Citation

13 . UTILIZATION OF BANANA (MUSA PARADISIACA) PEEL AS BIOPLASTIC FOR PLANTING BAG APPLICATION (https://iaeme.com/Home/article_id/IJARET_11_04_013)

Nur Athirah Huzaisham (https://iaeme.com/Home/author_details/6509) ; Noraini Marsi (https://iaeme.com/Home/author_details/6510)

Article Id : IJARET_11_04_013 (https://iaeme.com/Home/article_id/IJARET_11_04_013), Pages : 108-118

INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN ENGINEERING AND TECHNOLOGY (IJARET), (<https://iaeme.com/Home/journal/IJARET>)Volume 11, Issue 4, April 2020

Published On : April 11,2020

29 Downloads 119 Views 0 Citation

14 . A NOVEL APPROACH FOR RECOGNIZING ABNORMAL ACTIVITIES OF OPERATORS OF COMPLEX TECHNICAL SYSTEMS: THREE NON-STANDARD METRICS FOR COMPARING PERFORMANCE PATTERNS (https://iaeme.com/Home/article_id/IJARET_11_04_014)

L.S. Kuravsky (https://iaeme.com/Home/author_details/5298) ; G.A. Yuryev (https://iaeme.com/Home/author_details/6517)

Article Id : IJARET_11_04_014 (https://iaeme.com/Home/article_id/IJARET_11_04_014), Pages : 119-136

INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN ENGINEERING AND TECHNOLOGY (IJARET), (<https://iaeme.com/Home/journal/IJARET>)Volume 11, Issue 4, April 2020

Published On : April 13,2020

23 Downloads 85 Views 0 Citation

15 . ANALYSIS OF EPOXY COMPOSITE WITH DIAPERS WASTE AS FILLERS: RELATIONSHIP OF DENSITY, POROSITY AND SOUND ABSORPTION COEFFICIENT (https://iaeme.com/Home/article_id/IJARET_11_04_015)

MUHAMMAD HAIKAL MOHD FODZI (https://iaeme.com/Home/author_details/6530) ; NORAINI MARSII (https://iaeme.com/Home/author_details/6531) ; HAFIZUDDIN HAKIM SHARIFF (https://iaeme.com/Home/author_details/6532)

Article Id : IJARET_11_04_015 (https://iaeme.com/Home/article_id/IJARET_11_04_015), Pages : 137-146

Article Id : IJARET_11_04_051 (https://iaeme.com/Home/article_id/IJARET_11_04_051), Pages : 526-541

INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN ENGINEERING AND TECHNOLOGY (IJARET), (<https://iaeme.com/Home/journal/IJARET>)Volume.11, Issue.4, April 2020

Published On : April 27,2020

DOI: <https://doi.org/10.34218/IJARET.12.4.2021.051>

(<https://doi.org/10.34218/IJARET.12.4.2021.051>) 18 Downloads 60 Views Citation

52 . XRD, INFRARED AND MORPHOLOGICAL PROPERTIES OF NiFe_{1.98}In_{0.02}O₄ NPs
(https://iaeme.com/Home/article_id/IJARET_11_04_052)

Shaikh Abdul Wajeed (https://iaeme.com/Home/author_details/88831) ; Suraj Birare (https://iaeme.com/Home/author_details/88832) ; Atul Saraf (https://iaeme.com/Home/author_details/88833) ; Vaibhav D. Murumkar (https://iaeme.com/Home/author_details/88834)

Article Id : IJARET_11_04_052 (https://iaeme.com/Home/article_id/IJARET_11_04_052), Pages : 542-549

INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN ENGINEERING AND TECHNOLOGY (IJARET), (<https://iaeme.com/Home/journal/IJARET>)Volume.11, Issue.4, April 2020

Published On : April 27,2020

DOI: <https://doi.org/10.34218/IJARET.12.4.2021.052>

(<https://doi.org/10.34218/IJARET.12.4.2021.052>) 7 Downloads 7 Views 0 Citation

53 . ENHANCED DEEP LEARNING-BASED NANOTOXICITY CLASSIFICATION
(https://iaeme.com/Home/article_id/IJARET_11_04_053)

P.Gomathi (https://iaeme.com/Home/author_details/89182)

Article Id : IJARET_11_04_053 (https://iaeme.com/Home/article_id/IJARET_11_04_053), Pages : 550-563

INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN ENGINEERING AND TECHNOLOGY (IJARET), (<https://iaeme.com/Home/journal/IJARET>)Volume.11, Issue.4, April 2020

Published On : April 27,2020

DOI: <https://doi.org/10.17605/OSF.IO/TMCW3> (<https://doi.org/10.17605/OSF.IO/TMCW3>) 6

Downloads 13 Views 0 Citation

54 . A STUDY ON ENTREPRENEURSHIP ATTITUDE AMONG COLLEGE STUDENTS WITH REFERENCE TO CHENNAI CITY (https://iaeme.com/Home/article_id/IJARET_11_04_054)

N. S. Shibu (https://iaeme.com/Home/author_details/84596) ; S. Shameem Banu (https://iaeme.com/Home/author_details/89686)

Article Id : IJARET_11_04_054 (https://iaeme.com/Home/article_id/IJARET_11_04_054), Pages : 564-568

INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN ENGINEERING AND TECHNOLOGY (IJARET), (<https://iaeme.com/Home/journal/IJARET>)Volume.11, Issue.4, April 2020

Published On : April 27,2020

DOI: <https://doi.org/10.17605/OSF.IO/TMCW4> (<https://doi.org/10.17605/OSF.IO/TMCW4>) 5

Downloads 41 Views 0 Citation

55 . EFFICIENT INTEGRATION OF TARGET PATIENT DATA WITH DNA SEQUENCES AND STRUCTURE INFORMATION TOWARDS MEDICAL DIAGNOSIS

(https://iaeme.com/Home/article_id/IJARET_11_04_055)

Edward Daniel Christopher B (https://iaeme.com/Home/author_details/90074) ; Victor S.P (https://iaeme.com/Home/author_details/90320)

Article Id : IJARET_11_04_055 (https://iaeme.com/Home/article_id/IJARET_11_04_055), Pages : 569-579

INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN ENGINEERING AND TECHNOLOGY (IJARET), (<https://iaeme.com/Home/journal/IJARET>)Volume.11, Issue.4, April 2020

Published On : April 27,2020

16 Downloads 55 Views 0 Citation

56 . ANALYTICAL IMPLEMENTATION OF WEB STRUCTURE MINING USING DATA ANALYSIS IN ONLINE BOOKING DOMAIN (https://iaeme.com/Home/article_id/IJARET_11_04_056)

M. Xavier Rex (https://iaeme.com/Home/author_details/90076)

Article Id : IJARET_11_04_056 (https://iaeme.com/Home/article_id/IJARET_11_04_056), Pages : 580-594

INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN ENGINEERING AND TECHNOLOGY (IJARET), (<https://iaeme.com/Home/journal/IJARET>)Volume.11, Issue.4, April 2020

Published On : April 28,2020

DOI: <https://doi.org/10.34218/IJARET.12.4.2021.056>

(<https://doi.org/10.34218/IJARET.12.4.2021.056>) 7 Downloads 43 Views 0 Citation

57 . OPTIMAL EXTRACTION OF INTEGRATED WEB INTERACTIVE CLINICAL INFORMATICS TOWARDS PRECISION MEDICINE (https://iaeme.com/Home/article_id/IJARET_11_04_057)

Richards Hadlee R (https://iaeme.com/Home/author_details/90079) ; Victor S.P (https://iaeme.com/Home/author_details/90075)

Article Id : IJARET_11_04_057 (https://iaeme.com/Home/article_id/IJARET_11_04_057), Pages : 595-602

INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN ENGINEERING AND TECHNOLOGY (IJARET), (<https://iaeme.com/Home/journal/IJARET>)Volume.11, Issue.4, April 2020

Published On : April 28,2020

DOI: <https://doi.org/10.34218/IJARET.12.4.2021.057>

(<https://doi.org/10.34218/IJARET.12.4.2021.057>) 7 Downloads 51 Views 0 Citation

58 . ERROR ANALYSIS IN MATHEMATICS: A SYSTEMATIC META SYNTHESIS STUDY OF 1963-2018 (https://iaeme.com/Home/article_id/IJARET_11_04_058)

R. D. Padmavathy (https://iaeme.com/Home/author_details/90121)

Article Id : IJARET_11_04_058 (https://iaeme.com/Home/article_id/IJARET_11_04_058), Pages : 603-614

INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN ENGINEERING AND TECHNOLOGY (IJARET), (<https://iaeme.com/Home/journal/IJARET>)Volume.11, Issue.4, April 2020

Published On : April 28,2020

DOI: <https://doi.org/10.17605/OSF.IO/TMCS4> (<https://doi.org/10.17605/OSF.IO/TMCS4>) 10

Downloads 42 Views 0 Citation

59 . ANALYSIS OF FUZZY INFERENCE SYSTEM BASED INTERLINE POWER FLOW CONTROLLER FOR POWER SYSTEM WITH WIND ENERGY CONVERSION SYSTEM DURING FAULTED CONDITIONS
(https://iaeme.com/Home/article_id/IJARET_11_04_059)

E. Kalaiyarasi (https://iaeme.com/Home/author_details/84533) ; A.S. Kannan
(https://iaeme.com/Home/author_details/84534)

Article Id : IJARET_11_04_059 (https://iaeme.com/Home/article_id/IJARET_11_04_059), Pages : 595-602

INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN ENGINEERING AND TECHNOLOGY (IJARET), (<https://iaeme.com/Home/journal/IJARET>)Volume.11, Issue.4, April 2020

Published On : April 28,2020

DOI: <https://doi.org/10.17605/OSF.IO/TCDB5> (<https://doi.org/10.17605/OSF.IO/TCDB5>) 13

Downloads 47 Views 0 Citation

60 . SUM OF AUTOMATA AND HOMOMORPHISMS
(https://iaeme.com/Home/article_id/IJARET_11_04_060)

Y. Immanuel Nelson (https://iaeme.com/Home/author_details/91598) ; K. Muthukumaran
(https://iaeme.com/Home/author_details/91599)

Article Id : IJARET_11_04_060 (https://iaeme.com/Home/article_id/IJARET_11_04_060), Pages : 601-608

INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN ENGINEERING AND TECHNOLOGY (IJARET), (<https://iaeme.com/Home/journal/IJARET>)Volume.11, Issue.4, April 2020

Published On : April 27,2020

14 Downloads 33 Views 0 Citation

61 . QUALITY ENHANCEMENT OF CURRICULA OF B.E/B. TECH DEGREE IN MECHANICAL ENGINEERING CONSIDERING THE INDUSTRIAL NEEDS AND DEMANDS
(https://iaeme.com/Home/article_id/IJARET_11_04_061)

Dr.S.Subbaraj (https://iaeme.com/Home/author_details/91708)

Article Id : IJARET_11_04_061 (https://iaeme.com/Home/article_id/IJARET_11_04_061), Pages : 609-624

INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN ENGINEERING AND TECHNOLOGY (IJARET), (<https://iaeme.com/Home/journal/IJARET>)Volume.11, Issue.4, April 2020

Published On : April 30,2020

DOI: <https://doi.org/10.17605/OSF.IO/85UAY> (<https://doi.org/10.17605/OSF.IO/85UAY>) 3

Downloads 8 Views 0 Citation

SUSTAINABLE DEVELOPMENT AND ARCHITECTURE: A CONCEPTUAL BASED ON RELIGIOUS PERSPECTIVES

Aulia Fikriarini Muchlis, Dewi Larasati and Sugeng Triyadi S.

Bandung Institute of Technology, Jl. Ganesha 10 Bandung, 40132 Indonesia

ABSTRACT

This paper discusses the values related to the concept of sustainable development that focuses on green architecture from an Islamic point of view. The Quranic verses will guide how green building in Islam is carried out. This review chose to identify values from thematic Quranic as the focus of observation and at the same time, become a novelty. By interpreting religious values can produce religious values as a lesson and as wisdom. In the end, it is hoped to be used as a fundamental principle of reference in realizing green building.

Keywords: sustainable development; green architecture; Islamic values

Cite this Article: Aulia Fikriarini Muchlis, Dewi Larasati and Sugeng Triyadi S, Sustainable Development and Architecture: A Conceptual Based on Religious Perspectives, *International Journal of Advanced Research in Engineering and Technology (IJARET)*, 11(4), 2020, pp 1-6.

<http://iaeme.com/Home/issue/IJARET?Volume=11&Issue=4>

1. INTRODUCTION

Climate change and all the consequences that are seen today stimulate a transformation towards sustainable development by increasing economic efficiency, improving protection, restoring the ecological system and increasing human welfare (Sinha, Gupta, & Kutnar, 2013). Sustainable development goals (SDGs) cover the stability of economic development, human development, and environmental sustainability in the long run. Sustainable development is a pattern of development that prioritizes equity by focusing on the wise use of resources to meet human needs and minimize the impact on the environment (Mila Ardiani, 2015; Samudro et al., 2011; Mangkoedihardjo, 2010).

Sustainable development focused on sustainable architecture will see development as part of cooperation with nature, and pay attention to local characters and conditions, both environment and culture. This paper examines aspects of sustainable architecture with Islamic values, which will form the basis of further research in Indonesia.



MODIFICATION OF 30 GT FISHING VESSELS USING HULL VANE NACA 2408 TYPE FOR REDUCING SHIP RESISTANCE

Deddy Chrismianto, Hartono Yudo, Kiryanto and Narendra Rangga Dewa

Department of Naval Architecture, Engineering Faculty,
Diponegoro University, Indonesia.

ABSTRACT

With the territory of Indonesia which is mostly waters, fishing vessels are an important transportation tool in Indonesia to support the economic needs of the community, especially in coastal areas. When a ship sails, ship resistance will occur, and to achieve high effectiveness, the goal of all ship design processes is to obtain as little obstacles as possible. Modifications to the ship by adding Hull Vane mounted under the hull of the ship is done so that at high speed, Hull Vane can produce lift that can reduce obstacles that occur on the ship. This study uses a computer program based on Computational Fluid Dynamic (CFD). Based on this study shows that fishing vessel with the addition of hullvane with a variation of NACA 2408 on 2 ° angle of attack with F_n 0.527 can reduce resistance about 51.53% from the ship without hullvane.

Key words: Hullvane, Fishing Vessel, and Ship Resistance.

Cite this Article: Deddy Chrismianto, Hartono Yudo, Kiryanto and Narendra Rangga Dewa, Modification of 30 Gt Fishing Vessels Using Hull Vane Naca 2408 Type For Reducing Ship Resistance, *International Journal of Advanced Research in Engineering and Technology (IJARET)*, 11(4), 2020, pp 57-62.

<http://iaeme.com/Home/issue/IJARET?Volume=11&Issue=4>

1. INTRODUCTION

Ships are an important means of transportation to support the needs of community registration. In the application of fishing technology, the ship is used as a fishing gear. In Indonesia, the use of fishing vessels is very important for fishermen because it is used as a transportation tool which is very important for fishing activities. According to KKP data (Ministry of Maritime Affairs and Fisheries) in 2017 ships will be made with a total of 1068 units with the provisions of 449 units under 5 GT, 498 units of 5 GT, 92 units of 10 GT, 3 units of 20 GT, 20 units of ships measuring 30 GT, and 3 units of vessels measuring 100 GT, and 3 units of vessels measuring 120 GT [1]. Although in modern times there are still many fishermen who use traditional boats because the manufacturing procedures are cheaper than steel vessels. In the development of an increasingly modern era many needs to be achieved, in terms of function,

QUALITY ENHANCEMENT OF CURRICULA OF B.E/B. TECH DEGREE IN MECHANICAL ENGINEERING CONSIDERING THE INDUSTRIAL NEEDS AND DEMANDS

Dr.S.Subbaraj

Principal, Sri Rangapoopathi College of Engineering,
Gingee, Villupuram, Tamilnadu, India

ABSTRACT

Innovation is the key of survival in cut-throat competitive and flatter world. Innovation of new products / process can be produced only with the help of a good design engineer. To sustain global technological leadership, the need for globalizing engineering education has been widely recognized by academic institutions, industry and government for several decades. This paper discusses about the need for globalizing the mechanical engineering curricula, present trends in the automotive industry, the curricula of mechanical engineering in global and Indian context and a list of recommendations to improve the existing curricula to meet the global needs.

Keywords: Automotive Industry, Manufacturing Industries, Mechanical Engineering

Cite this Article: Dr.S.Subbaraj, Quality Enhancement of Curricula of B.E/B. Tech Degree in Mechanical Engineering Considering The Industrial Needs and Demands, *International Journal of Advanced Research in Engineering and Technology*, 11(4), 2020, pp. 609-624.

<https://iaeme.com/Home/issue/IJARET?Volume=11&Issue=4>

1. INTRODUCTION

Manufacturing Industries are the backbone for any country in building the country's economy. Growing competition, shorter product life cycle and demanding customer needs smarter way of designing the new products. Product design and R&D constitute a significant part for the success of the new product. This infers that engineering design is one of the most important and essential requirement in the study of any engineering disciplines. Innovation of new products / process can be produced only with the help of a good design engineer.