



PROCEEDINGS OF
The IRES
INTERNATIONAL CONFERENCE



ate: 16th -17th February, 2018 | Venue: Zurich, Switzerland

In Association With



PROCEEDINGS OF
THE IRES
103rd INTERNATIONAL CONFERENCE
ZURICH, SWITZERLAND

Organized by



Date of Event

16th-17th February 2018

Event Co-Sponsored by



Corporate Address

Institute of Research and Journals

Plot No- 161, Dharma Vihar, Khandagiri, Bhubaneswar, Odisha, India

Mail: info@theires.org, www.iraj.in

Publisher: **IRAJ**

© 2018, The IRES International Conference, Zurich, Switzerland

No part of this book can be reproduced in any form or by any means without prior written permission of the publisher.

Type set & printed by:

R. K Printers
Bhubaneswar, India

About IRAJ Research Forum (IRF):

The *IRAJ Research Forum* is an International non-profit academic association under 'Peoples Empowerment Trust' with the stated goals of promoting cooperation among scientists, defending scientific freedom, encouraging scientific responsibility, and supporting scientific education and science outreach for the betterment of all humanity. It is the one of the world's largest and most prestigious general scientific society.

Objective of IRF:

- ❖ To provide a world class platform to researchers to share the research findings by organizing International/National Conferences.
- ❖ To use the research output of the conference in the class room for the benefits of the students.
- ❖ To encourage researchers to identify significant research issues in identified areas, in the field of Science, Engineering, Technology and Management.
- ❖ To help dissemination of their work through publications in a journal or in the form of conference proceedings or books.
- ❖ To help them in getting feedback on their research work for improving the same and making them more relevant and meaningful, through collective efforts.
- ❖ To encourage regional and international communication and collaboration; promote professional interaction and lifelong learning; recognize outstanding contributions of individuals and organizations; encourage scholar researchers to pursue studies and careers in circuit branches and its applications.
- ❖ To set up, establish, maintain and manage centers of excellence for the study of /on related subjects and discipline and also to run self supporting projects for the benefit of needy persons, irrespective of their caste, creed or religion.

About TheIRES:

The Institute of Research Engineers and Scientists (TheIRES) is a **non-profit organization** that promotes the Engineering and Technology, related latest developments and issues to be discussed and experimented through interactions amongst the researchers and academicians across the globe at a common platform in association with The IIER, Academics World & ISER.

Conference Committee

Program Chair:

Dr. P. Suresh

M.E, Ph.D. Professor and Controller of Examinations,
Karpagam College of Engineering.,
Coimbatore, India

Hani N Hermiz

Agricultural College University of Salahaddin,
Erbil.

Conference Manager:

Mr. Bijan Kumar Barik

Mob: +91-9776047497

Conference Convener:

Miss. Priyanka Yadav, TheIRES

Mob: +91-7809593053

Publication Head:

Mr. Manas Ranjan Prusty, IRAJ, India

INTERNATIONAL ADVISORY MEMBERS

Prof. Goodarz Ahmadi,

Professor, Mechanical and Aeronautical Engineering,
Clarkson University, USA

Dr Chi Hieu Le,

Senior Lecturer, University of Greenwich. Kent ME4 4TB.
United Kingdom

PROF. (ER.) Anand Nayyar

Department of Computer Applications & I.T.KCL Institute of Management and Technology, Jalandhar
G.T. Road, Jalandhar-144001,Punjab, India.

Prof. R. M. Khaire,

Professor, Dept. Of Elex. and Telecommunication,
B, V University, India

Dr. P. Suresh,

Professor, Karpagam College of Engineering, Coimbatore,Tamilnadu

Mark Leeson

Associate Professor (Reader)
Area of Expertise: nanoscale communications,
evolutionary algorithms, network coding and communication systems

Dr. P. K. Agarwal

Professor, Deptt. of Civil Engineering, MANIT Bhopal ,Ph. D: IIT Kanpur
M.E: Civil Engg.IIT Roorkee, Membership: Indian Road Congress (IRC), Institute of Urban Transport (IUT)

Shahriar Shahbazpanahi

Islamic Azad University, Department of Civil Engineering, Sanandaj, Kurdistan, Iran,
PhD (Structural Engineering),
University Putra Malaysia, Malaysia, 2009-Present

Harun Bin Sarip

Head of Research and InnovationDept, UniKL-MICET
Doctorate: Université de La Rochelle, France, Member:
International Society of Pharmaceutical Engineer, Singapore Chapter

Dr.Bilal Ali Yaseen Al-Nassar

The World Islamic Sciences and Education University (WISE)
Faculty of Business and Finance
Department of Management, Information System (MIS), Amman- Jordan

Dr. Md. Al-Amin Bhuiyan
Associate Professor
Dept. of Computer Engineering
King Faisal University
Al Ahssa 31982, Saudi Arabia

Prof. (Er.) Anand nayyar
Department of Computer Applications & I.T.
KCL Institute of Management and Technology, Jalandhar
G.T. Road, Jalandhar-144001
Punjab, India

Prof. Aleksandr Cariow
institution or Company: West Pomeranian University of
Technology, Szczecin

Dr. P. K. Agarwal
Professor, Deptt. of Civil Engineering, MANIT Bhopal ,Ph. D: IIT Kanpur
M.E: Civil Engg.IIT Roorkee, Membership: Indian Road Congress (IRC), Institute of Urban Transport (IUT)

Dr. VPS Naidu
Principal Scientist & Assoc. Prof., MSDF Lab, FMCD
CSIR - National Aerospace Laboratories, Bangalore, India

Mr. P. Sita Rama Reddy
Chief Scientist ,Mineral Processing Department, CSIR - Institute of Minerals & Materials Technology
Bhubaneswar, India, M.Tech. (Chem. Engg., IIT, KGP)

Dr.P.C.Srikanth,
Professor & Head, E&C Dept, Malnad College of Engineering, Karnataka
Senior Member IEEE, Secretary IEEE Photonics Society,
M.Tech: IIT, Kanpur, Ph.D: In IISc Photonics lab

Prof. Lalit Kumar Awasthi,
Professor, Department of Computer Science & Engineering
National Institute of Technology(NIT-Hamirpur),
PhD, IIT, Roorkee, M. Tech, IIT, Delhi

Dr. Chandra Mohan V.P.
Assistant Professor, Dept. of Mech. Engg., NIT Warangal,
Warangal. Ph.D : Indian Institute of Technology(IIT),Delhi
M.B.A: Alagappa University

Prof. I.Suneetha,
Associate Professor, Dept. of ECE, AITS, Tirupati, India

Dr.s. Chandra Mohan Reddy,
Assistant Professor (SG) & Head,Dept. of Electronics & Communication Engineering, JNTUA College of Engineering, Pulivendula,
Ph.D,J.N.T. University Anantapur, Anantapuramu

Gurudatt Anil Kulkarni,
I/C HOD E&TC Department, MARATHWADA MITRA MANDAL'S POLYTECHNIC

★★★

12. **The Students' Expectations to Bachelor of Public Administration Program, Faculty of Humanities and Social Sciences, SuanSunandhaRajabhat University** 49-54
 - *Marndarath Suksanga, Chindalak Vadhanasindhu, Juneerut Jannit, Yongyuth Kidsuntad*

13. **The Knowledge and Understanding about the Citizen politics :A case study of SuanSunandhaRajabhat University students** 55-57
 - *Marthinee Khongsatid*

14. **Generation Y's idea on Marriage specific case on Educational level** 58-61
 - *Monthakant Rodklai*

15. **Spatial Mobility of Myanmar Workers in Pineapple Processing Industry** 62-65
 - *Musthaya Patchanee, Nipon Sasithornsavapa, Suwaree Yordchim, Buabuttri Siritwat*

16. **The Impact of Tourism on local community following the case study of Wat Siri Phutto (Khamchanod), Ban Dung, Udon Thani** 66-70
 - *Nachawon Tonthaphimtong*

17. **The Boworadet Rebellion, 1933** 71-74
 - *Nattapoll Chaiching*

18. **The Empirical Study on Instructors' Acceptance and Use Interactive Book in Digital Learning Environment** 75-79
 - *Nutthapat Kaewrattanapat, Jarumon Nookhong, Wipada Chiawchan*

19. **Solid Waste as a Sustainable Source of Energy** 80-83
 - *Paraneesrikaew*

20. **Students' Perceptions Towards the Improvement of English Skills Through Researching Target Needs Analysis** 84-87
 - *Pathitta Akkarathanakul, Angvarrah Lieungnapar, Chinchira Bunchutrakun, Chantimawangsomchok, Anantachai Aeka*

21. **Survey of the Human Resource Management Knowledge Local Administrative Organization in Thailand** 88-90
 - *Phichak Phutrakhul*

22. **The Study on Elderly Tourist Requirement on Accommodation and Facility in Ranong Province** 91-94
 - *Pornnapat Berndt*

23. **The Recovery of Folk Medical Healer's Local Knowledge to Combine with the Treatment of Snake Bite Wounds: A Case Study of Prom Lok Temple, Promkiree District, Nakorn Sri Thammarat Province, Thailand** 95-99
 - *Saowapa Phaithayawat, Yaninie Phaithayawat, Suwaree Yodchim*

EDITORIAL

It is my proud privilege to welcome you all to the TheIRES International Conference at Zurich, Switzerland. I am happy to see the papers from all part of the world and some of the best paper published in this proceedings. This proceeding brings out the various Research papers from diverse areas of Science, Engineering, Technology and Management. This platform is intended to provide a platform for researchers, educators and professionals to present their discoveries and innovative practice and to explore future trends and applications in the field Science and Engineering. However, this conference will also provide a forum for dissemination of knowledge on both theoretical and applied research on the above said area with an ultimate aim to bridge the gap between these coherent disciplines of knowledge. Thus the forum accelerates the trend of development of technology for next generation. Our goal is to make the Conference proceedings useful and interesting to audiences involved in research in these areas, as well as to those involved in design, implementation and operation, to achieve the goal.

I once again give thanks to the Institute of Research and Journals, TheIIR, TheIRES for organizing this event in Zurich, Switzerland. I am sure the contributions by the authors shall add value to the research community. I also thank all the International Advisory members and Reviewers for making this event a Successful one.

Editor-In-Chief

Dr. P. Suresh

M.E, Ph.D. Professor and Controller of Examinations,
Karpagam College of Engineering.,
Coimbatore, India



THE STUDY ON ELDERLY TOURIST REQUIREMENT ON ACCOMMODATION AND FACILITY IN RANONG PROVINCE

PORNNAPAT BERNDT

Faculty of Humanities and Social Science, Suan Sunandha Rajabhat University, Bangkok Thailand
E-mail: pornnapat.be@ssru.ac.th

Abstract - Nowadays, Elderly Market (60 Year old up) is another market that tends to increase in the future due to medicals and public health development which reduces death rate. These elderly tourists spend their living life after retirement for recreation and traveling. They have more time and budget readiness, marketing for elderly therefore is the new marketing channels as it is a potential target group. Even Though Thailand has Beautiful tourist attraction, however, if considerate in hospitality management for elderly tourist it found that still lack for this group [1].

Ranong province is located 568 kilometre from Bangkok. It also known as 8 months long rainy period each year and bordered by Myanmar and the Indian Ocean to the west which consisted of diversify natural tourist attractions and plentiful mangrove forests. [2] At present Ranong Province is well-known as an attractive tourist destination in public eye due to their beautiful sixty-two islands, many beautiful beaches, waterfall, national parks and wildlife sanctuaries and the 2 famous hot springs Raksawarin and Porn Rang hot springs which draw a large number of tourists to visited [3].

As Lonely Planet, the travel magazine stated that "The Andaman's northernmost province is a whole different package to the white sand, turquoise sea paradise that is used to sell the Andaman's on tourist brochures [4]."

According from Vision and Mission of Ranong province to be a hub of transport goods between countries Andaman coast countries and preservation of city of Health Tourism and be livable environment [5] and there various tourist attraction therefore it can said that Ranong province have enough potential to be health tourism destination for tourist.



Fig. 1 Raksawarin Hot Spring, Ranong Province
Source: Pornnapat Berndt, November 16, 2017



Fig. 2 Porn Rang Hot Spring, Ranong Province
Source: Pornnapat Berndt, November 16, 2017

Therefore, researcher then would like to study on elderly tourist requirement on accommodation and facilities which the expected when they traveling purpose to enhance standard of accommodation to satisfy elderly tourist group. in order to draw this potential group to come to visit Ranong Province which will generate income to local communities.

To accomplish the goals and objectives, qualitative research was applied. The study also used both primary data and secondary data.

Research result founded that most elderly tourist required on ramp, elevator which big enough for wheelchair, bed which not too high for them, bathroom which have seat inside to sit when they shower. In addition, they need emergency button in case of accident. If possible, hotel should have doctor standby for 24 hours. They expected hot spring inside the hotel include spa.

Index Terms - Ranong Province, Health Tourism, Elderly Tourist, Hot Spring.

I. INTRODUCTION

Ranong Province is located in south part of Thailand 568 kilometre from Bangkok. As above-mentioned, at present it is well-known as attractive tourist destination in public eye due to their tourism resources such as beautiful beach and islands, national park, waterfall, delicious food and unique culture. Moreover, the 2 famous hot springs Raksawarin and Porn Rang

hot springs which draw a large number of tourists to visited [6].

Besides, according from Vision and Mission of Ranong province that intend to be "A hub of transport goods between countries Andaman coast countries and preservation of city of Health Tourism and be livable environment" [7] The province is clearly present their province as city of health tourism as it extremely promoted their famous natural hot spring and large size

of hospital for people health “Ranong Hospital” and “Thai Traditional Medicine and Herbal product and demonstration Centre” for preserve and rehabilitate people health. Therefore, it could say that Ranong province could be one of the elderly tourist destination.



Fig. 3: Ranong Hospital
Source: Pornnapa Berndt, November 16, 2017



Fig. 4 Thai Traditional Medicine and Herbal product and demonstration Centre
Source: Pornnapa Berndt, November 16, 2017

International Institute for Trade and Development stated that “elderly market (60 Year old up) is another market that tends to increase in the future due to medicals and public health development which reduces death rate. These elderly tourists spend their living life after retirement for recreation and traveling. They have more time and budget readiness, marketing for elderly therefore is the new marketing channels as it is a potential target group. Even Though Thailand has Beautiful tourist attraction, however, if considerate in hospitality management for elderly tourist it found that still lack for this group” [8].

Therefore, researcher then would like to study on elderly tourist requirement on accommodation and facilities in Ranong Province which they expected when they traveling to Ranong Province purpose to enhance standard of accommodation to satisfy elderly tourist group in order to draw this potential group to come to visit Ranong Province which will generate income to local communities.

II. RESEARCH METHODOLOGY

This research focused on elderly requirement toward Accommodation and Facilities in Ranong Province. The research instruments used are observation, questionnaire and content analysis, and in-depth interviews of elderly people and accommodation Entrepreneur. The study also uses both primary and secondary data.

The sample of this research was calculated by using Taro Yamane (Yamane, 1973) [9] formula with 95% confidence level. (Refer elderly person ages from 60 years old up from Bangkok by sampling method) After calculated the sample size by using Yamane formula, the numbers of sample is 400 persons. However, Sample group is homogeneity group researcher therefore use sample only one fourth of sample which are 100 elderly persons.

Researcher did research study based on information collected from 100 questionnaires. A Statistical Package for Social Sciences (SPSS) was used to analyze the data. Descriptive and inferential statistics such as tables, percentage, mean and standard deviation were used for data analysis and summary.

For Analysis and interpretation of data, the symbols and abbreviation will be utilized as follows:

% = Percentage

\bar{x} = Mean

SD. = Standard Deviation

The analysis and interpretation of data were presented in form of tables. The objectives of the study were as follows:

PART 1: The analysis of general background of respondents

PART 2: The analysis of “Elderly requirement on Accommodation and Facilities” by descriptive statistics which were mean and standard deviation.

The respondents were requested to score each of requirement on accommodation and facilities on the levels of requirement. The interval of the five-point Likert-type scale was set from 1 to 5 (5 is the most requirement, and 1 is lowest requirement). Besides, the translation of level ranking was analyzed by pursuing criteria of elderly person toward requirement on accommodation and facilities By Best [10].

The scores between 1.00-1.80 mean the lowest requirement

The scores between 1.81-2.61 mean low requirement

The scores between 2.62-3.41 mean average requirement

The scores between 3.42-4.21 mean very requirement

The scores between 4.22-5.00 mean the most requirement

III. RESULTS

Part 1: The analysis of general information of 263 respondents by descriptive statistics, which were frequencies and percentage, showed in Table 1 as follows:

General Information	Amount Person	Percentage (%)
Gender		
Male	23	23
Female	77	77
Total	100	100.00

Table 1 showed general background of 100 Respondents

Table 1 showed data analysis of general information of 100 respondents. There were 100 respondents, 23% male and 77% female.

Room and Facilities	\bar{x}	SD.	Mean
1. Shower area	4.55	0.79	Most
2. Bath seat	4.73	0.93	Most
3. Hand grip in flush area	4.32	0.76	Most
4. Slip handrails in the bathroom	4.77	0.85	Most
5. Non-slip texture in the bathroom	4.75	0.91	Most
6. Emergency button	4.81	0.81	Most
7. Proper bed level	4.12	0.83	Very
8. Automatic door panel	4.42	0.96	Most
9. Ramp for Wheel Chair	4.88	0.88	Most
10. Slip handrails around walk way	4.08	0.77	Very
11. Store up Wheelchair and Canes	4.63	0.89	Most
12. Elevator for Wheel Chair	4.52	1.00	Most
13. Hospital room	4.63	0.91	Most
14. Spa and massage	4.10	0.91	Very
15. Hot Spring in Accommodation	4.81	0.74	Most
16. Healthy food restaurant	3.96	0.93	Very
17. Convenience store	4.02	0.96	Very
Total	4.47	0.88	Most

Table 2 showed degree of elderly requirement on Accommodation and facilities in Ranong Province.

From table 2, it revealed that ramp for wheel chair got the most mean scores (4.88). Follow by emergency button got the most score (4.81) same mean scores as hot spring in accommodation (4.81) indicated most requirement. Then the slip handrails in the bathroom which represent most requirement got the mean score (4.77). The fifth place is nonslip texture in the bathroom with mean score (4.75).

Follow by bath seat with mean scores as (4.73). The seventh place got the same mean scores represent most requirement (4.63) are hospital room and store up wheelchair and Canes. Following with shower area with mean scores (4.55) respectively.

Ninth place elevator for wheel chair with mean scores as (4.52) follow by automatic door panel (4.42), hand grip in flush area (4.32) proper bed level (4.12)

respectively.

The very requirement on accommodation and facilities are Proper bed level (4.12), slip handrails around walk way (4.08), Spa and massage (4.10), convenience store (4.12) respectively.

The last is healthy food restaurant which got the lowest mean scores (3.96) also represent very requirement.

If analyzed information, will notice that most respondents concern in safety issues especially in bath room. They need hotel room's physical with safety environment. In addition, healthy issue is important for them too as the most requirements on hot spring in their hotel.

Slip handrails in the bathroom is important due to their respondents physical. Some of them have health issue problem for example Knee Arthrosis which need more facilities than other aging group.

However, this research resulted not much different from other research regarding elderly people requirement for accommodation and facilities. But at least, this research resulted is confirm urgent need that Ranong Province both government and private Sectors should concern in this elderly which will become potential group in the future and created approach strategy to draw them to come to travel to Ranong.

Moreover, after research in-depth interview 20 elderly person about factors that influence them to traveling, most of answers are they need accommodation which could support their physical, clean and safety environment. This results is conform to research result of Ms. Kemika Koompech and Ms. Chontinee Yookhong on research Title of "Decision Making Factors for Selecting Spa Service, A case study Jaoreun Spa, Amphoe Muang, Ranong Province which stated that "Thai customers believes that quality of the place of business has the most importance when it comes to deciding on which establishment they should choose for a service" [11].

Therefore, Accommodation Sector in Ranong province should preparedness for elderly tourist group.

CONCLUSIONS AND DISCUSSION

A. Conclusion

According to Governor's Office of Ranong' vision and mission is position to be a hub of transport goods between countries Andaman coast countries and preservation of city of Health Tourism and be livable environment evidences by the large hospital for people's health "Ranong Hospital" and "Thai Traditional Medicine and Herbal product and demonstration Centre" for preserve and rehabilitate people physical. In addition the province also has beautiful and attractive tourism resources as mention above. Therefore, it Ranong province should more concerned and Accelerated policy out, educated to hospitality sector to realize of importance of support this elderly tourist group. Then it could said that Ranong Province is one of the elderly tourist destination.

B. Discussion

This research resulted was not cover in all contents. However, it could be reflect of elderly requirement on Accommodation and facilities in Ranong province which useful for Accommodation Sector in Ranong to improve their accommodation in order to meet elderly tourist requirement.

SUGGESTION

All stakeholder such as Tourism Authority of Thailand (TAT), Education institution, Hospitality Sector, etc. should preparedness for support elderly tourist group in the future.

ACKNOWLEDGMENT

Researcher deeply appreciated to Mrs. Jeerawan Sewatadul, President of Ranong Tourism Association for full support for information. Next, I really thank you to Ms. Thitima Nakbupha, Operation Thai Traditional Medical at Ranong Hospital for her kindness and valuable information. Moreover, Miss Kemika Koompech for all support, I really appreciated. At last, Researcher would like to thank you for research budget supported by Suan Sunandha Rajabhat University



Fig. 5 Mrs. Jeerawan Sewatadul, [Middle] President of Ranong Tourism Association
Source: Pornnapat, November 23, 2017



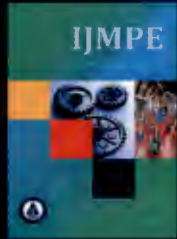
Fig. 6 Ms. Thitima Nakbupha, [Third form left] Operation Thai Traditional Medical at Ranong Hospital
Source: Pornnapat, November 24, 2017

REFERENCES

- [1] Interunational Institute for Trade and Development. Elderly Tourist Market: New Chance for Thai grow for support AEC [Online], accessed 5 June 2017. Available from <http://www.itd.or.th>
- [2] Thailand Guide Book. Ranong Province [Online], accessed 5 June 2017. Available from <http://www.thailandguidebook.com/category/ranong/T>
- [3] Sawasdee.com. Welcome to Ranong. [Online], accessed 5 June 2017. Available from <http://thailand.sawasdee.com/ranong/>
- [4] Lonely Planet. Ranong Province [Online], accessed 29 June 2017. Available from <https://www.lonelyplanet.com/thailand/andaman-coast/ranong-province>
- [5] Governor's Office of Ranong. Vision and Mission [Online], accessed 5 June 2017. Available from <http://www.ranongcities.com/index.php?cmd=contentdesign&mode=vision>
- [6] Sawasdee.com. Welcome to Ranong. [Online], accessed 5 June 2017. Available from <http://thailand.sawasdee.com/ranong/>
- [7] Governor's Office of Ranong. Vision and Mission [Online], accessed 5 June 2017. Available from <http://www.ranongcities.com/index.php?cmd=contentdesign&mode=vision>
- [8] International Institute for Trade and Development. Elderly Tourist Market: New Chance for Thai grow for support AEC [Online], accessed 5 June 2017. Available from <http://www.itd.or.th>
- [9] Yamane, Taro. 1973. Statistics: An Introductory Analysis. Third edition. New York : Harper and Row Publication.
- [10] Best, J. W., Research in Education, 3rd ed., (New Delhi, Prentice-Hall, 1977), 174.
- [11] Kemika Koompech and Chontinee Yookhong. Decision Making Factors for Selecting Spa Service, A case study Jaoreun Spa, Amphoe Muang, Ranong Province. 2016
- [12] Governor's Office of Ranong. Vision and Mission [Online], accessed 5 June 2017. Available from <http://www.ranongcities.com/index.php?cmd=contentdesign&mode=vision>

JOURNAL PUBLICATION PARTNER

IRAJ INTERNATIONAL JOURNALS



IJMPE

www.ijmpe.iraj.in

International Journal of Mechanical and Product Engineering

ISSN(P):2320-2092
ISSN(e):2321-2071



IJEEDC

www.ijeedc.iraj.in

International Journal of Electrical, Electronics and Data Communication

ISSN(P):2320-2084
ISSN(e):2321-2950



IJACEN

www.ijacen.iraj.in

International Journal of Advance Computational Engineering and Networking

ISSN(e):2320-2106
ISSN(P):2320-2106

Journal indexed in



International Journal of Soft Computing And Artificial Intelligence (IJSCAI)

ISSN(P):2321-404X
ISSN(e):2321-4384
www.ijscai.iraj.in



International Journal of Advances Computer Science and Cloud Computing (IJACSCC)

ISSN(P):2321-4058
ISSN(e):2321-4392
www.ijacsc.com



International Journal of Advances in Science, Engineering and Technology(IJASEAT)

ISSN(P):2321-8991
ISSN(e):2321-9009
www.ijaseat.iraj.in



International Journal of Industrial Electronics and Electrical Engineering(IJIEEE).

ISSN(P):2347-6982
ISSN(e):2349-204X
www.ijieee.iraj.in



International Journal of Advances in Mechanical and Civil Engineering(IJAMCE)

ISSN(P):2394-2827
www.ijamce.iraj.in



International Journal of Manager and Applied Science (IJMAS)

ISSN(P):2394-7926
www.ijmas.iraj.in



International Journal of Advance in Electronics and Computer Science (IJAECs)

ISSN(P):2393-2835
www.ijaecs.iraj.in

IRAJ Journals Listed in University Library

MIT, University of California Berkeley, Stanford, Cambridge, Oxford, Harvard

Visit for Upcoming Conferences- www.theires.org



This book will be available online at
WORLD RESEARCH LIBRARY
www.worldresearchlibrary.org

ISBN



978-93-87703-29-2