



Mazoon College

2016 Research Centre

Annual report 2014 -2016

Step Stone for Intellectually Alive



Brief Introduction

Mazoon College Research Centre is a platform for all faculties and students in Mazoon College where they can showcase their research findings in the diverse domains of Computers, IT, Business, and English Language and Literature. It focuses on the early stages of research areas to improve the professional and the academic strength of students and faculties. It seeks to motivate, inspire and enable professional research activities.

Vision

The Vision is to achieve excellence through research for all faculties and students.

Mission

The mission is to deliver world-class advances in knowledge to the expected audience of Business, Computer and English majors and to adhere the policies and procedure laid by the Management and practice that will improve the professional qualities of the college, student, faculties and the communities.

Objectives

- To provide support in terms of funding to faculties and students both from the college and from outside.
- To enhance research culture among students and faculties.
- To provide guidance for research activities conducted by students and faculties.
- To provide training for research to students and faculties.
- To provide assistance to publish research articles in reputed journals within and outside the college.
- To extend the research support provided by external bodies.

The background of the page is a photograph of a desk. On the left, a portion of a laptop keyboard is visible. In the center, an open, spiral-bound notebook lies flat, showing lined pages with some faint handwriting. A black pen with a red and blue stripe is resting on the right page of the notebook. In the upper right corner, there is a stack of papers and a pen. The overall lighting is warm and slightly dim.

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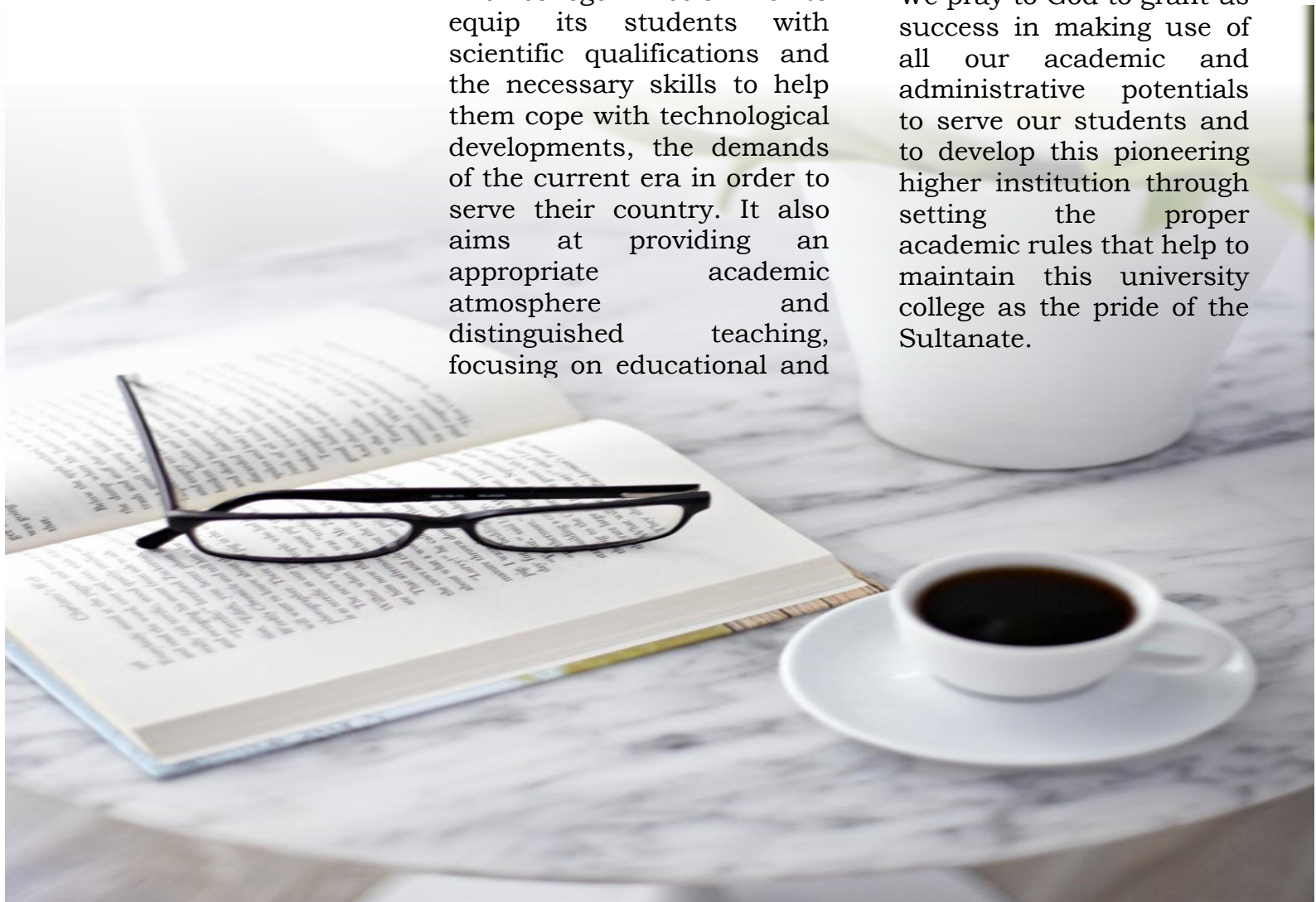
Message from the Director of Research



It is my great honor to welcome you to Mazoon College, one of the most distinguished higher educational institutions in the Sultanate of Oman, founded in 1999. Mazoon University College is affiliated with Missouri University for Science and Technology (USA) which is known as one of the oldest universities in the United States of America, founded 180 years ago. We in Mazoon College are very proud of such academic affiliation and of being distinguished from our counterparts in our adoption of the credit-hour system in education.

The college mission is to equip its students with scientific qualifications and the necessary skills to help them cope with technological developments, the demands of the current era in order to serve their country. It also aims at providing an appropriate academic atmosphere and distinguished teaching, focusing on educational and

We pray to God to grant us success in making use of all our academic and administrative potentials to serve our students and to develop this pioneering higher institution through setting the proper academic rules that help to maintain this university college as the pride of the Sultanate.



Members in Research Centre



The Director of Research

Dr. Jamal Dawood Salman



The Head of Research

Dr. M.S.Saleem Basha Mohamed Sulaiman

Research Theme

Mazoon College has always extended encouragement for research in all its departments. Being aware of the importance and the benefits of research and related activities, Mazoon College has established 'The Research Centre' which was approved by the Ministry of Higher Education in 2014. TRC has formulated a five year strategic research plan which recognizes the dynamic nature of research. It is a living document which will be regularly reviewed and updated whenever necessary and will be thoroughly re-examined at the end of five years.



Research Focus Area

The research focus area is comprehensive and not limited to any specific domain. It includes problem identification and addressing of issues of national and international importance. It gives room to develop relations with diverse institutions and funding agencies which will enhance the knowledge of the researchers for the eventual benefit of the institution and its students.

Business
Administration

English
Language
Studies

Computer
Science and
Information
Technology

Building
Healthy
Communities

Transforming
Human
Societies



Strategies of Research Plan

Department of Business Administration	Department of English	Department of Computer Science and Information System Technology		
Support students to achieve their educational goals, plans and their career opportunities	Increase the number of department or graduate fields that have achieved worlds leadership in their areas	Provide programs that assist students.	Provide facilities technology and administrative infrastructure necessary to promote quality and competitive research and scholarship	International Journals
Encourage and support faculty participation in national and international conferences	Enabling Graduates to pursue their higher education	Research budget	Research Promotion	Industry Collaboration

Faculties are annually agrees Research goals and plans as part of Career Success

Resources and Facilities

Student Learning Resource Centre and the library

Learning support services and resources are provided accordingly, remedial/tutorial courses are offered free for academically deficient students.

Mazoon College has a well-resourced laboratories and library to support all levels of study for the proposed program and related courses. It includes a sound collection of reference books also. We have planned to purchase more books which are specific for the program well in advance before the commencement of the classes. The list of the books for the proposed program has already been provided in this document in the curriculum for the program which will be arranged before the start of the program.

Training & workshops are organized to supplement classroom learning. Resources are continually upgraded and provided other factors which might have an impact on students' academic performance and the academic performance are taken care of periodically. Students are given training in some of the courses studied to reinforce their learning including, Leadership, Emotional Intelligence, Problem Solving & Decision Making, Mock Teaching and Personality Development. Students with good performance are encouraged to acquire skills through community involvement as volunteer trainees. We have a well-resourced library with relevant materials to support all levels of study in Information Technology, Network and Information Security. It includes a sound collection of reference books. We are currently developing a collection of all books recommended by Banasthali University / India, and other Asian countries

The college is committed to provide the latest and best managed facilities to its faculty members. The teaching resources available on campus are 6 computer labs each having 35 computers, and a projector. The English multimedia lab is equipped with multimedia equipment and Language Lab Software. There are around 50 classrooms with LCD projectors. ADSL (high speed internet connection) is available from 4 MB (2 leased lines) and 8 MB (3 leased lines). 512 MB leased line is also available. As for Classroom equipment/laboratories, equipment & supplies/technicians: The ICDL lab conducts ICDL testing & training. There are 2 computer engineers and 2 computer technicians on standby. Printers are provided in all offices. IT complaints are addressed to the IT personnel in-charge and community outreach activities (course related) are arranged by the concerned lecturer with the permission of the Dean and HOD.

A dedicated Postgraduate Digital Resource Centre is planned for private and group study for our M.Tech. (Network & Information Security). Students are provided access to internet and other digital resources. In addition to the existing facility, we plan to subscribe to a wide range of on-line electronic resources.



The management of Mazoon College has the resources to fund the necessary expansion of the library facility well before the commencement of the post graduate program, which provide hi-tech facilities for our post graduate scholars, we plan to set-up the following facilities:

a. Library Automation

The library will be automated with the Open Source Library System. This software can be installed in the server computer and is accessible through all the nodes in the Library through the Wi-Fi network. Thus the students will have easy access to an infinite number of resources for their study.

b. Reprography

A photocopier with network printer is planned to be installed in the library. The students can take print outs of documents downloaded through Internet. It can also be used for the facsimile reproduction of documents or books.

A4.4. Subscription of journals and periodicals and internet website for the program.

1. Online Databases and E-Resources

The Mazoon College Library is having the access to use the following databases:

- a) Missouri University of Science and Technology (MST) USA
- b) Merlin Library Catalog
- c) Databases & E-Resources
- d) Summon Met search
- e) A-Z Electronic Journals
- f) Interlibrary Loan (Illiad)



ABI/Inform 1971 - present (ProQuest)	ABI/Inform provides access to information in 1000 business journals worldwide. Information covered includes economics, finance, and taxation. Full text articles are included.
Academic Search Complete	A multi-disciplinary database providing full text for nearly 8,600 journals, including full text for more than 7,500 peer-reviewed titles. ASC offers indexing and abstracts for more than 13,200 publications including monographs, reports, and conference proceedings, and contains PDF content going back as far as 1887.
ACI International Abstracts (American Concrete Institute)	This database provides searchable abstracts to international concrete publications, including those of the American Concrete Institute. There is an option on the search page to limit search to just ACI publications.
ACM Digital Library	The ACM Digital Library contains all of the journals and magazines from the 1950's onward (where available) published by the Association for Computing Machinery, a professional organization focused on computer science.
Aerospace & High Technology Database	The Aerospace Database provides bibliographic coverage of basic and applied research in aeronautics, astronautics, and space sciences. The database also covers technology development and applications in complementary and supporting fields such as chemistry, geosciences, physics, communications, and electronics. In addition to periodic literature, the database also includes coverage of reports issued by NASA, other U.S. government agencies, international institutions, universities, and private firms.
Agricola 1970 - present	This database provides access to citations for worldwide periodical literature as well as USDA publications. Topics covered include agriculture, animal science, plant science, food and human nutrition, biotechnology, entomology, forestry, and environmental sciences. Produced by the U.S. National Agricultural Library, coverage begins in 1970.
AIAA Meeting Papers	The AIAA (American Institute of Aeronautics and Astronautics) Meeting Papers database provides full-text access to papers from AIAA conference from 1996-present. Please note that some smaller conferences co-hosted by the AIAA may not be available. Also note that the database indexes some papers

	from non-AIAA conferences that will not be available in full text.
America: History & Life (EBSCOhost)	America: History & Life covers the history of the United States and Canada from prehistory to the present. It includes citations with abstracts for books, dissertations, and articles from 1964 to the present. It does not include full text articles, although it does link to some sources of full text.
Annual Reviews	Authoritative, analytic reviews in 40 focused disciplines within the Biomedical, Life, Physical, and Social Sciences. Annual Reviews publications are among the most highly cited in scientific literature.
eBook Academic Collection (EBSCO)	This eBook package contains a large selection of multidisciplinary eBook titles in a broad range of academic subject matter, including: Art, Business & Economics, Education, Humanities, Philosophy, Technology & Engineering, and Social Science. There are more than 114,000 titles included and have unlimited user access.
Ebrary	E-brary Academic Complete offers full text access to over 35,000 electronic books in a wide variety of subjects. These materials are also available through the library catalog. Materials in this collection can be full text searched as well as printed in limited quantities. For instructions on downloading E-brary books using Adobe Digital Editions,
EconLit	Econ-Lit provides citations for economics literature worldwide, including books, journal articles, and working papers. Full text articles are not included. Coverage is from 1969 to the present.
Education Full Text (H.W. Wilson)	Education Full Text brings the comprehensive coverage of an international range of English-language. Periodicals, monographs and yearbooks since 1983, including full text of many articles. Subject coverage includes adult and continuing education, special edition, literacy standards, teaching methods, and multicultural education.
Education Index Retrospective 1929-1983	Education Index Retro covers the education literature from 1929-1982 but provides no full text. It provides information on societal trends affecting education, including segregation, multiculturalism, feminism, and economic developments
Encyclopedia of Chemical Biology	This encyclopedia provides researchers and advanced students with timely and authoritative review-type information. The articles in WECB illuminate the crucial role of chemistry and chemical techniques in the life sciences and support the

	information needs of researchers in the field of chemical biology.
Encyclopedia of Communication Theory	Encyclopedia offers a comprehensive overview of communication theory, with current descriptions of theories as well as the background issues and concepts that comprise these theories.
Encyclopedia of Data Warehousing and Mining	Encyclopedia with information on the science of managing and analyzing large datasets and discovering novel patterns
Encyclopedia of E-Commerce, E-Government, and Mobile Commerce	Encyclopedia that provides the most inclusive and up-to-date coverage of the e-technologies field. It includes includes contributions highlighting current concepts, trends, challenges, applications, and dot.com experiences in the field of e-commerce, e-government, and mobile commerce

2. *E-Library database from Near East University, Turkey. Please see the details given below of Near East University library database, just copy paste URL then put User ID & Password as follows.*

<http://library.neu.edu.tr>

3. *Vidya Software is used as Library Software.*

4. *OPAC (On-line Public Access Catalogue)*

The OPAC is one of the most heavily used Bibliographical database of the library. Besides listing all the documents available in the library, it allows on-line reservation, circulation, overdue collection and indicates status of a particular book. OPAC is searchable by author, title, accession number, subject, and several other fields.

Mazoon Central Library's OPAC is empowered with the following features:

- A. Simple and Advance Search
- B. New Arrivals
- C. Request for New books, serials etc.
- D. Reservation
- E. Renewal of document

5. *Multimedia (CD's)*

SUBJECT NAME	DETAILS	NO. OF CD'S
Generalities	Computer Science, Bibliography, General Encyclopedic Works, Serial Publications, News Media, General Collection, Manuscripts & Rare Books	295
Philosophy & Psychology	Metaphysics, Humankind, Paranormal Phenomena, Specific Philosophical School, Logic, Ethics & Modern Western Philosophy	73
Social science	General Statistics, Political Science, Eco, Law, Social Problem & Commerce	36
Language	Language Old Eng, Other Lang)	93
Natural Science & Mathematics	Physics, Chemistry, Allied Science, Plants & Animals	144
Technology	Medical Science, Home Eco & Family Living, Management & Auxiliary Services)	201
Art	Art & Culture	6
Literature	Eng & Old Eng Literature, Literatures Of Other Language	9
Geography and history	History & Geography	5
Magazines Cd's	Chip, Window Middle East & PC Quest	199
General Collection	About Oman, Free CD's With Supplements	14

6. Resource Summary

Sl. No.	Particulars	No. of Copies
1	The number of publications and scientific journals paper (Periodicals)	25
2	Number of e- newsletters and scientific journals	42000
3	Number of metaphors	3000
4	Number of hard copies of books	8460
5	The number of electronic versions of books	370000
6	Number of copies of the paper sources and references	1000
7	Number of copies of electronic sources and references	150000

7. Library Summary

DESCRIPTION	LIBRARY DETAILS	No. of Copies
Total Library Area	2445.13 Square Foot or 227.16 Square Meter	
Total Books	General, Arabic Reference, Arabic Instructor Manuel, Reference	8460
Number of Titles	General and Arabic (Assorted)	3960
General Books	English, Business & Economics, IT, MIS, Psychology, Accounts, Math etc	2960
Arabic Version Books	IT, Accounts, Economics, Psychology, Business, Marketing & Religion etc	1000
Reference Books	MIS, Business & Economics, Psychology, Accounts, Math, Eng, Oman Collections	968
Periodicals	Business, Computer, IT, General, Indian, Arabic	15
Journals	Harvard Business review, The Economist, Time, Psychology today Etc	10
Number of Multimedia	Generalities, Psychology, Language, Social Sc., Art, Literature, Technology & Sc.,	1075 CD's & DVD's
Arabic Newspapers	Al-Watan, Shabiba, Al_Khaleej, Al-Khaleej Business, Oman daily	7
English Newspapers	The Times of Oman, Oman Tribune, Muscat Daily, Observer & Khaleej Times	6
Number of Computers for student	High Speed Internet connection with Library Software Databases	18
Number of staff computer	Library Database, Circulation, Acquisitions, e-books	5
Digital Library	Library Management Software	Vidya E-Version

Circulations Systems	Automated	Vidya Software
Total Seating Capacity	Common Reading Area & Reading Room	85
Number of Printer	Classifications & Book labeling, Students printout etc.	2
Number of Wifi	Common Reading Area & Reading Room	2
Online Database	Missouri University of Science & Technology, USA and Near East University, Turkey Library E-Resource	2 Universities Database
Library Collaboration	MST and Near East University Library E-Resource databases	ABI/ Info, Proquest, Academic Search complete, ACM Digital library, Annual Review, Ebrary, Technology Databases, Education Full Text, Index, Retrospective, Encyclopedia and Newswires, Business Source Complete, ERIC, GreenFILE MEDLINE, Regional Business News, ULAKBİM Ulusal Veri Tabanları (UVT) - ULAKBİM Turkish National Databases
E-Library Database Link	http://www.library.mst.edu/resources/databases http://library.neu.edu.tr http://www.library.britishcouncil.org.in https://openlibrary.org/ http://archive.org	

A full-page background image showing a person running on a dirt path. The person is wearing a dark tank top and light-colored shorts. The sun is low in the sky, creating a strong lens flare and casting a shadow of the runner on the path. The path is flanked by green grass and trees in the distance.

Policies & Procedures

Alamy

PROFESSIONAL DEVELOPMENT AND RESEARCH POLICY

Purpose of the policy

The purpose of this policy is to outline in broader terms the commitment of the College to staff development and to indicate the roles that different parties play in the delivery of staff development.

Statement of commitment

The college is strongly committed to the development of staff in their respective fields.

Introduction

The key purpose of staff development is to facilitate personal and professional development enabling individuals and groups to achieve their full potential and contribute to the provision of excellent teaching and research in the College, and create an enabling environment for the same.

The Research & Staff Development Committee is, responsible for advising the College management on College-wide policy and procedures for staff development and for monitoring the implementation of these and the consequent activities. Staff development policies, procedures and activities are aimed at contributing to the College's quality assurance in the fields of teaching, research and administration.

Context of staff development

The College's achievements are based largely on the contribution, commitment, and achievements of members of its staff, working as individuals and **as** teams or groups. Staff development includes any activity which contributes to the sharpening of their knowledge, skills, competence, or working practices, eg courses, development programmes, vocational training, structured staff development activities, attendance at meetings and conferences, seminars, development of educational materials, curriculum enhancement and active involvement and **membership in** professional bodies. Staff development is a key contributor to the success of individuals and ultimately to the success of the College as a whole. **The college considers it vital for** maintaining and enhancing its national and international reputation in teaching and research and in ensuring good management within the institution.

Equality

There will be equality of access to staff development opportunities for all college staff. No member of staff will be treated less favorably on the grounds of gender, marital or parental status, race, ethnic or national origin, color, disability, religion, or age.

Involvement in staff development

The following have a role in staff development: individuals, departments, faculties, divisions/units.

Role of the individual

When individuals are appointed to a new role, an assessment of their skills and the duties that they are to perform will lead naturally to the identification of their needs for training and staff development. In addition, development needs may be identified in a variety of ways, e.g. by skills audit, by peer review and feedback, by appraisal, by feedback from others including students etc. Individual members of staff of the College are encouraged to take responsibility for their own professional and career development, guided by mentors and other colleagues as appropriate. All are invited to take advantage of opportunities for **their professional** development, according to the demands of their particular role.

Role of the department

Heads of Department are expected to ensure that their faculty is provided with adequate equal means and opportunities for academic and professional development. To ensure this, they are expected to make use of student teacher feedback, and encourage them to undertake research in their fields of specialization and participate in conferences, seminars, workshops etc.

Role of Staff Development/Research Committee

The Staff Development team/Research committee is responsible for the following: establishing centrally organised staff development activities liaising with other providers of staff development within the College eg Computing Service, Finance Division, developing partnerships with relevant bodies and sections, both internal and external to the college communicating information regarding staff development opportunities delivering and offering guidance on local staff development initiatives in departments, and divisions/units working with individuals to meet development needs supporting Committees dealing with staff development policy and procedures contributing to and implementing the staff development elements of current College strategies, including the Human Resources Strategy and the Learning and Teaching Strategy, reporting on and monitoring staff development activity assessing the quality of its provision.

Quality Assurance

The Staff Development team/Research Committee will evaluate its provision by verbal feedback, questionnaire, feedback from others and self-assessment, and will review practice within the section in areas such as course administration and customer service. An annual report and statistics on the level and type of activity will be submitted to the Staff Development/Research Committee. Regular Quality Reviews of

the Staff Development /Research Committee and its activities, including internal audit, will be undertaken.

Resourcing this policy

There are a variety of sources of staff development resource within the College. These include budgetary provision, and other areas such as the Computing Service etc.

Amendment of Research Policy – 2015 – 2016

Plagiarism Policy Amendments – Read with the existing policy

- a. The policy states that the project work / Thesis work / dissertation work has to be significantly a new work/knowledge as compared already published or are under consideration to be published elsewhere. No sentence, equation, diagram, table, paragraph or section has been copied verbatim from previous work unless it is placed under quotation marks and duly referenced.
- b. There should be no fabrication of data or results which have been compiled/analyzed.
- c. There should be no falsification by manipulating research materials, equipment or processes, or changing or omitting data or results such that the research is not accurately represented in the research record.
- d. The project work / Thesis work / dissertation work has been checked using the prescribed software or services by the Mazoon College or MoHE Oman.
- e. The plagiarized content should not exceed 20% of the total content in that submission as per HEI plagiarism Policy and instructions issued from time to time.



Research Publication Details



BOOKS PUBLISHED

1. Dr. Jamal Dawood Salman, Economic Development-Theoretical and Experiences, Arab Administrative Development Organization (ARADO), Cairo, Egypt, 2015:338,9001.

2. Dr. Jamal Dawood Salman, Managerial Economics, Arab Administrative Development Organization, (ARADO) Cairo, Egypt ,2011



DEPARTMENT OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY

1. Suliman Saed Suliman Al-Balushi, Dr. M.S.Saleem Basha, Mohamed Jameel Hashmi and Dr. A. Mohamed Abbas, "Hyperlocal Alerts and Tracking of Peoples Using Geofencing - A Virtual Boundries", American International Journal of Research in Science, Technology, Engineering & Mathematics, Vol. 10(4), pp 314 - 322, 2015.

2. Fakhrayh Al Harrasi, Dr. M.S.Saleem Basha, Dr. A. Mohamed Abbas and Mohamed Jameel Hashmi, "A Dual Mode DNA Cryptography: Bio Inspired Approach for Information

Security", International Journal of Emerging Technologies in Computational and Applied Sciences (IJETCAS), Vol 3(11), pp 207-212, 2014, ISSN: 2279-0047.

3. Mujahid Hamood Hilal Al-Zakwani, Dr. Saleem Basha, Dr. Nasir Ahmed Khan and Mohammed Jameel Hashmi, "Automation of Sub-Netting Problems Using Mathematical Modeling and Simulation", International Journal of Engineering Science Invention, Vol. 3(11), pp 27 - 36, 2014, ISSN: 2319-6734.

4. Dr. Esam Al Lawati, Dr. M.S.Saleem Basha, Mrs. Gargi Bhattacharya and Mr. Jameel Hashmi, "Mathematical Model and Unitization for the Behaviour of the Intrinsic Recreation Hackers", International Journal of Innovative Research in Advanced Engineering, Vol. 1(8), pp 132 - 138, 2014, ISSN: 2349-2163.

5. Ziyad T. Abdulmehdi, M. S. Saleem Basha, Mohamed Jameel, and P. Dhavachelvan, "A Variant of COCOMO II for Improved Software Effort Estimation", International Journal on computer and Electrical Engineering, Vol. 6(4), pp 346-350, 2014, ISSN: 1793-8163.

6. Shailesh Khapre, M. S. Saleem Basha, Mohamed Jameel Hashmi and Ziyad Thariq, "A Context-Driven Multidimensional Matching Model For Information Retrieval", International Journal of Applied Engineering Research

(IJAER), Vol. 9 (1), pp 37 - 44, 2014, ISSN: 1087-1090. Scopus Indexed.

7. Ashwaq A. Salih, M.S.Saleem Basha and Mohamed Jameel, "Less Delay, Shortest Path In MANET", Proceedings of 2nd International Conference on Applied Information and Communications Technology" - ICAICT 2014, Elsevier, Oman, 2014.

8. Ziyad T. Abdulmehdi, M. S. Saleem Basha, Mohamed Jameel and P. Dhavachelvan, "A Variant of COCOMO II for Improved Software Effort Estimation", Proceedings of International Conference on Electrical and Electronics Engineering (ICEEE), Atlanta, Turkey, 2014.

9. Renuka Sruthi Thorati, Revathi Venkatesan, M.S.Saleem Basha and Mohamed Jameel Hashmi, "Proficient Discovery of Service by Ontology Based Bi-Match Making Technique in Event Driven SOA", International Conference on Communication and Computer Vision ICCCV 2013, IEEE, December 2013.

10. Ziyad, M.S.Saleem Basha, Mohamed Jameel and P. Dhavachelvan, "A Variant of COCOMO II for Software Effort Estimation Model", International Conference on Electrical and Electronics Engineering (ICEEE 2014), Antalya, Turkey, April 21-23, 2014.

11. Suliman Saed Suliman Al-Balushi, Dr. M.S.Saleem Basha, Mohamed Jameel

- Hashmi and Dr. A. Mohamed Abbas, "Hyperlocal Alerts and Tracking of Peoples Using Geofencing - A Virtual Boundries", American International Journal of Research in Science, Technology, Engineering & Mathematics, Vol. 10(4), pp 314 - 322, 2015.
12. Shailesh Khapre and M. S. Saleem Basha, "Efficient Reverse Skyline Algorithm For Discovering Top K-Dominant Products", Journal of Theoretical and Applied Information Technology, 2015.
13. Shailesh Khapre and M. S. Saleem Basha, "Processing Uncertain Preferences Using Probabilistic Skyline", International Journal of Information Processing system, 2015.
14. Shailesh Khapre and M. S. Saleem Basha, "PDMS: An Effective Preference Coupled Data Management & Retrieval System", Journal of Engineering Science and Technology, 2015, School of Engineering, Taylor's University
15. B. Anantharaj, N. Balaji, M. S. Saleem Basha and T. Vengattaraman, "A Survey of Nature Inspired Algorithms", International Journal of Applied Engineering Research, Vol 8(10), pp 19313-19323, 2015, ISSN 0973-4562.
16. Aravind Kumar and M.S.Saleem Basha, "A Krill Herd Optimization Based Fault Tolerant Strategy in MANETS for Dynamic Mobility", International Conference on Circuits, Power and Computing Technologies ICCPCT - 2015
17. Amudhavel and M.S.Saleem Basha, "An Bio-Inspired Artificial Bee Colony Algorithm for Dynamic Independent Connectivity Patterns in VANET", International Conference on Circuits, Power and Computing Technologies ICCPCT - 2015 (Accepted)
18. B. Saraladevia, N. Pazhanirajaa, P. Victor Paula, M.S. Saleem Basha and P. Dhavachelvanc, "Big Data and Hadoop-a Study in Security Perspective", Procedia Big Data, Cloud and Computing Challenges, Computer Science Vol. 50, pp 596-601, 2015
19. R.Kannadasan, M.S.Saleembasha and I.ArnoldEmerson, "Survey on Molecular Cryptographic Network DNA (MCND) Using Big Data", 2nd International Symposium on Big Data and Cloud Computing (ISBCC'15), Elsevier, 2015.
20. Dr. M.S.Saleem Basha, Dr. Esam Al Lawati, Mrs. Gargi Bhattacharya and Dr. Nasir Ahmed Khan, "Influence and Role of Technology on Stress: A Mathematical Analysis", International Journal of Emerging Technologies in Computational and Applied Sciences (IJETCAS), Vol 2(11), pp 134-139, 2014, ISSN: 2279-0047.
21. Fakhrayh Al Harrasi, Dr. M.S.Saleem Basha, Dr. A. Mohamed Abbas and Mohamed Jameel Hashmi, "A Dual Mode DNA Cryptography: Bio Inspired Approach for Information Security", International Journal of Emerging Technologies in Computational and Applied Sciences (IJETCAS), Vol 3(11), pp 207-212, 2014, ISSN: 2279-0047.
22. Mujahid Hamood Hilal Al-Zakwani, Dr. Saleem Basha, Dr. Nasir Ahmed Khan and Mohammed Jameel Hashmi, "Automation of Sub-Netting Problems Using Mathematical Modeling and Simulation", International Journal of Engineering Science Invention, Vol. 3(11), pp 27 - 36, 2014, ISSN: 2319-6734.
23. S. Udhaya Shree and M. S. Saleem Basha, "An Exhaustive Survey of Trust Models in P2P Network", International Journal on Web Service Computing, Vol. 5(3), pp 1 - 12, 2014, ISSN: 0976-9811.
24. Dr. Esam Al Lawati, Dr. M.S.Saleem Basha, Mrs. Gargi Bhattacharya and Mr. Jameel Hashmi, "Mathematical Model and Unitization for the Behaviour of the Intrinsic Recreation Hackers", International Journal of Innovative Research in Advanced Engineering, Vol. 1(8), pp 132 - 138, 2014, ISSN: 2349-2163.
25. Kannadasan.R, M. S. Saleem Basha, Misri Mohamed Hisham, Soorya.R, "Image Compression Using Negative Format" International Journal of Research in Engineering and Technology, Vol. 3(3), pp 225 - 228, 2014, eISSN: 2319-1163.
26. Ziyad T. Abdulmehdi, M. S. Saleem Basha, Mohamed Jameel, and P. Dhavachelvan, "A Variant of

- COCOMO II for Improved Software Effort Estimation”, International Journal on computer and Electrical Engineering, Vol. 6(4), pp 346-350, 2014,
27. Thirumaran. M, Janani. M, Dhavachelvan. P, Balaji. N, M.S. Saleem Basha, “Business Logic Evaluation Model Using Dependency Analysis Approach for Service Integration”, American Journal of Applied Sciences (Science Publications). Vol. 11(8), pp 1242 - 1249, 2014,
28. Shailesh Khapre, M. S. Saleem Basha, Mohamed Jameel Hashmi and Ziyad Thariq, "A Context-Driven Multidimensional Matching Model For Information Retrieval", International Journal of Applied Engineering Research (IJAER), Vol. 9 (1), pp 37 - 44, 20140
29. Shailesh Khapre and M.S.Saleem Basha, "Uncertainty Issues in Automated Web Service Selection", International Journal of Advances in Computer Science and its Applications, Vol. 4(1), 2014, ISSN:2250-3765
30. M.Rajeswari, G. Sambasivam, N.Balaji, M.S.Saleem Basha, T. Vengattaraman and P.Dhavachelvan, “Appraisal and Analysis on Various Web Service Composition Approaches Based on QoS Factors”, International Journal of Kind Saud University – Computer and Information Sciences, Vol.26(1), Elsevier 2014.
31. Kannadasan Rajendran, M.S.Saleem Basha, I.Arnold Emerson and Abbas, “Data Privacy and Sharing in Cloud Computing Environment based on DNA Sequences”, 1st International Conference On Microelectronics, Circuits and Systems - Micro’14, IEEE 2014.
32. Ashwaq A. Salih, M.S.Saleem Basha and Mohamed Jameel, "Less Delay, Shortest Path In MANET", Proceedings of 2nd International Conference on Applied Information and Communications Technology" - ICAICT 2014, Elsevier, Oman, 2014.
23. Ziyad T. Abdulmehdi, M. S. Saleem Basha, Mohamed Jameel and P. Dhavachelvan, “A Variant of COCOMO II for Improved Software Effort Estimation”, Proceedings of International Conference on Electrical and Electronics Engineering (ICEEE), Atlanta, Turkey, 2014.
24. Ziyad, M.S.Saleem Basha, Mohamed Jameel and P. Dhavachelvan, "A Variant of COCOMO II for Software Effort Estimation Model", International Conference on Electrical and Electronics Engineering (ICEEE 2014), Antalya, Turkey, 2014.
35. A. Mohamed Abbas, P. Sheik Abdul Khader and M A Rabbani, “Comparative Analysis of Packet Delivery in Vehicular Ad Hoc Networks”, Journal of Computational Information Systems, Vol 8, No 1, pp 343-353, ISSN 1553-9105, January 2014.
36. A. Mohamed Abbas, P. Sheik Abdul Khader and M A Rabbani, “Gateway Node-Based Greedy Routing Algorithm for Efficient Packet Forwarding in Vehicular Ad Hoc Networks”, International Journal of Engineering Science and Technology, Vol 3, No 5, pp 3640-3650, ISSN 0975 – 5462, May 2011. (Index Copernicus Value = 3.14)
37. A. Mohamed Abbas, P. Sheik Abdul Khader and M A Rabbani, “Performance Evaluation Study of Intelligent Vehicular Ad Hoc Networks (InVANETs)”, International Journal of Wireless Communications, Vol 2, No 8, pp 232-238, ISSN 0974 – 9756, August 2010. (Impact Factor = 0.572)
38. M. Syed Masood, Dr. P. Shiek Abdul Khader, A. Mohamed Abbas, “Performance of TCP Tahoe and SACK over Loop-Free Multipath Reactive Routing Protocol in MANET”, Journal of Theoretical and Applied Information Technology, Vol 64, No 2, June 2014, pp 504-510 (Indexed in SCOPUS).
39. A. Mohammed Munawar Hussain, Dr. P. Shiek Abdul Khader, A. Mohamed Abbas, “Extended Buffer Zone Algorithm to Reduce Rerouting Time in MANETs”, Journal of Technology, Vol. 29, Special Issue 1, July 2014, pp 127-141 (Indexed by Scopus)
40. A. Mohammed Munawar Hussain, Dr. P. Shiek Abdul Khader, A. Mohamed Abbas, “Proactive Routing with Early Congestion Detection in MANET”, Journal of Applied and Theoretical Information Technology, Vol. 66, No.1, August 2014, pp 8-16 (Indexed by Scopus)

41. Fakhrayh Al Harrasi, Dr. M.S.Saleem Basha, Dr. A. Mohamed Abbas and Mohamed Jameel Hashmi, "A Dual Mode DNA Cryptography: Bio Inspired Approach for Information Security", International Association of Scientific Innovation and Research (IASIR), Vol. 3, No.11, February 2015, pp 207-212.
42. Suliman Saed Suliman Al-Balushi, , Dr. M.S.Saleem Basha, , Mohamed Jameel Hashmi, and Dr. A. Mohamed Abbas, "Hyperlocal Alerts and Tracking of Peoples Using Geofencing - A Virtual Boundries", American International Journal of Research in Science, Technology, Engineering & Mathematics, Vol. 4, No.10, May 2015, pp 314-222.
43. Shailesh khapre, M.S. Saleem Basha, A. Mohamed Abbas, "Efficient Reverse Skyline Algorithm for Discovering top K-Dominant Products", Journal of Applied and Theoretical Information Technology (Accepted) (Indexed by Scopus).
44. A. Mohamed Abbas, P. Sheik Abdul Khader and M A Rabbani, "IEEE 802.11p Performance Evaluation for Intelligent Vehicular Ad Hoc Networks (InVANETs) using NS-2" at International Conference on Impact of Economic Crisis in Global Business scenario, August 2009pp 672-678. ISBN: 978-93-80627-18-2.
45. A. Mohamed Abbas, P. Sheik Abdul Khader and M A Rabbani, "Gateway Node-based Greedy Routing for Minimizing Packet Delay in VehicularAd Hoc Networks" at International Conference on Advances in Computing, Communication and Informatics (ICACCI '12), August 2012pp 41-48. ISBN: 978-981-07-3043-7
46. Mohamed Abbas, P. Sheik Abdul Khader and M A Rabbani, "Unicast approach for Detection of Destination in VANET using Position based Routing" at International Conference on Software Engineering and Mobile Application Modelling and Development (ICSEMA 2012) on December 2012, pp 209-219, ISBN: 978-81-8424-812-8.
47. Mohamed Abbas, P. Sheik Abdul Khader and M A Rabbani, "URD3:Unicast Routing for Destination Direction Detection in Vehicular Ad Hoc Networks" at International Conference on Emering Research in Computing, Information, Communication and Applications (ERCICA 2013)" organized by NITTE Meenakshi Institute of Technology, Bangalore on 02,03 August 2013, ISBN:978-93-5107-102-0, Proceeding Available in Elsevier - Science and Technology Journal.
48. Mohamed Abbas, P. Sheik Abdul Khader and M A Rabbani, "Dynamic Transition Mobility Model for Packet Delivery Analysis in Vehicular Ad Hoc Networks" in the National Conference on Emerging Trends inComputer Applications and Management organized by AarupadaiVeedu Institute of Technology during 30th – 31st March, 2011pp 20-25. ISBN: 978-81-920490-5-2.
49. Kannadasan Rajendran, Dr.M.S.Saleembasha, Dr.I.ArnoldEmerson, Dr.A. Mohamed Abbas, "Data Privacy and Sharing in Cloud Computing Environment based on Molecular DNA (MDNA) Sequences" in the 1st International Conference On Microelectronics, Circuits and Systems-Micro'2014 during December 2014.
50. Sivan, A. Mohamed Abbas, "Route Announcement using Moving Object Detection for Visually Impaired Passengers at Bus Stop" in the National Conference on Advanced Computing Technology organized by Vellammal Institute of Technology during 2nd May 2013.
51. Younuskhana, A. Mohamed Abbas, "An effective detection of active worms using Spectrum based Detection Scheme" in the National Conference on Advanced Computing Technology organized by Vellammal Institute of Technology during 2nd May 2013.
52. Adithya V., Vinod P. R., Usha Gopalakrishnan , "Contour Potential Energy Based Method for Indian Sign Language Recognition", INTERNATIONAL JOURNAL OF SCIENTIFIC AND ENGINEERING RESEARCH, IJSER Volume 4, Issue6, June 2013 Edition (ISSN 2229-5518).
53. Vinod P. R., Adithya V, Usha Gopalakrishnan,"Artificial Neural Network Based Method for Indian Sign Language Recognition"

IEEE CONFERENCE ON INFORMATION AND COMMUNICATION TECHNOLOGIES - ICT-2013,pages-1080 - 1085,Print ISBN:978-1-4673-5759-3

54. Vinod P. R, Jijina K P, "Real Time Detection and Classification of Metal Defects Using Image Processing", INTERNATIONAL RESEARCH JOURNAL OF COMPUTER SCIENCE ENGINEERING AND APPLICATIONS, Volume 2, Issue 4, April 2013, ISSN 2319-8672, Page No: 367-371.

55. Athira Vijayan, Liju Philip, Vinod P R,"Development of Front end communication system for Traffic Congestion Monitoring System",International Journal of Innovative Research in Science, Engineering and Technology,Volume 3, Special Issue 5, July 2014,ISSN (Online) : 2319 - 8753 ISSN (Print) : 2347 - 6710

56. Adithya V., Vinod P. R., Usha Gopalakrishnan , "Contour Potential Energy Based Method for Indian Sign Language Recognition", INTERNATIONAL JOURNAL OF SCIENTIFIC AND ENGINEERING RESEARCH, IJSER Volume 4, Issue6, June 2013 Edition (ISSN 2229-5518).

57. Vinod P. R., Adithya V, Usha Gopalakrishnan, "Artificial Neural Network Based Method for Indian Sign Language Recognition" IEEE CONFERENCE ON INFORMATION AND COMMUNICATION

TECHNOLOGIES - ICT-2013,pages-1080 - 1085,Print ISBN:978-1-4673-5759-3

58. RajRani Gupta, "Effect of rotation on propagation of waves in transversely isotropic thermo-elastic half-space", Indian journal of Materials Science, vol.1-7, 2014.

59. RajRani Gupta, "Reflection of waves in a rotating transversely isotropic thermo-elastic half-space under initial stress", Journal of solid mechanics, Vol 6-2, 2014.

60. RajRani Gupta, "wave propagation in an initially stressed transversely isotropic thermo-elastic half-space", Journal of the Mechanical behavior of materials, vol 23-6, 2014.

61. Gazala Yusufi, "Identification of valid clusters for datasets whose number of clusters are unknown", International Journal of Engineering and Advanced Technology, 2014.

DEPARTMENT OF ENGLISH

1. Naghdipour, B. (2015). The Impact of L1 Reading Directionality Mode on L2 Reading Fluency.The Journal of Asia TEFL, 12(1), 53-77.(Scopus Indexed)

2. Naghdipour, B., Koç, S. (2015). The evaluation of a teaching intervention in Iranian EFL writing.The Asia-Pacific Education Researcher, 24(2), 389-398.(Social Sciences Citation Indexed)

3. Naghdipour, B. (2014). Jokes in Iran.Folklore.

Electronic Journal of Folklore, 59, 105-120.(Arts & Humanities Indexed)

4.Naghdipour, B. (2014). Language learner beliefs in an English as a Lingua Franca (ELF) context.Advances in Language and Literary Studies, 5(1), 22-30.(Peer reviewed Open Access)

5. Mukundan, J. RezvaniKalajahi, S. A., &Naghdipour, B. (2014). The potential of incorporating computer games in foreign language curricula. Advances in Language and Literary Studies, 5(2), 19-24.(Peer reviewed Open Access)

6.Naghdipour, B. (2013). Death of a Salesman and The Glass Menagerie: A phenomenological reduction. International Journal of Applied Linguistics & English Literature, 2(3),147-152.(Peer reviewed Open Access)

7. A syntactic Study of Discontinuity in the English Version of Selected Iraqi Legal Texts , Journal of Anbar University for languages and Literature, No 11, 2013, Anbar, Iraq.

8. Presented a Research paper on "Enhancing Active Listening" at 3rd Global Conference on Communication and Conflict (CC3) held at Mansfield College, University of Oxford, The United Kingdom 2013

9. Presented a Research paper on "Barriers to Communication" at MAJAN COLLEGE INTERNATIONAL

CONFERENCE –MIC'14 held at Majan University College, Muscat, Sultanate of Oman.2014

10. Research Paper on "BARRIERS TO COMUNICATION has been published in the "International Journal of Humanities and Social Sciences (IJHSS) ISSN (print):2319-393X; ISSN (Online):2319:3948; Vol-4, Issue –Conference Edition April-2014; Impact factor (JCC) 2014:2.3519; Index Copernicus Value (ICV):3.0

11. Research Paper on "ENHANCING STUDENTS' INTERACTION has been published in the "International Journal of Linguistic and Literature (IJLL) ISSN (print):2319-3956; ISSN (Online):2319:3164; Vol-4, Issue -1, Jan 2015; Impact factor (JCC) 2015:2.9819; Index Copernicus Value (ICV):3.0"

12. Poem 'Tiny Droplets of Heaven' published in Writers Editors Critics (Volume 4 Number 1, March 2014, ISSN 2231-198X),

13. Research article, 'Myriad Faces of Womanhood in Charlotte Bronte's Jane Eyre' published in Writers Editors Critics (Volume 4 Number 2, September 2014, ISSN: 2231-198X).

14. Short story 'So Many Faces' published in International Journal on Multicultural Literature (Volume 4 Number 2, July 2014, ISSN: 2231-6248).

15. "Motivating Learners' Creative Collaboration," Langlit: An International Peer-Reviewed

Open Access Journal, ISSN-2349-5189, Vol1, Issue iv, May. 2015. (Website:www.langlit.org)

16. "Influence & Role of Technology on Stress: A Mathematical Analysis," International Journal of Emerging Technologies in Computational & Applied Sciences, ISSN-2279-0055, March 2015. (Interdisciplinary Joint publication).

17. "Changing Images of Women in South Asian fiction." Langlit: An International Peer-Reviewed Open Access Journal, ISSN-2349-5189, Vol1, Issue ii, Nov. 2014.

18. "Learner- Autonomy and the Teaching of English in Oman."The International Journal of the Humanities& Social Sciences, ISSN (E): 2319-3948, IASET, Apr. 2014.

19. "Naturalism in Dreiser's The American Tragedy & Osborne's Look Back in Anger." Literary Confluence: A Global Journal of English & Cultural Studies, ISSN-2349-6509, Spring 2014, Authors Press.

20. "Indian Diaspora in America: A Contrapuntal Reading of the Possibilities & Negations in Indian Diasporic Writings." Langlit: An International Peer-Reviewed Open Access Journal, ISSN-2349-5189, Vol1, Issue 1, Aug.2014.

21. "Mathematical Model and Unitization for the Behaviour of the Intrinsic Recreation Hackers."International Journal of Innovative Research in Advanced

Engineering, ISSN-2349-2163, Vol1, Issue 8, Sept. 2014. Interdisciplinary Joint publication).

22. Published Poetry in The Rainbow Hues, Dept. of English, JKC College, A.P.(India), 2014.

DEPARTMENT OF BUSINESS ADMINISTRATION

1. Dr. Esam Al Lawati, Dr. M.S.Saleem Basha, Dr. Esam Al Lawati, Mrs. Gargi Bhattacharya and Dr. Nasir Ahmed Khan, "Influence and Role of Technology on Stress: A Mathematical Analysis", International Journal of Emerging Technologies in Computational and Applied Sciences (IJETCAS), Vol 2(11), pp 134-139, 2014, ISSN: 2279-0047.

2. Dr. Esam Al Lawati, Dr. M.S.Saleem Basha, Mrs. Gargi Bhattacharya and Mr. Jameel Hashmi, "Mathematical Model and Unitization for the Behaviour of the Intrinsic Recreation Hackers", International Journal of Innovative Research in Advanced Engineering, Vol. 1(8), pp 132 - 138, 2014, ISSN: 2349-2163.

3. Dr. Suhaila M. Abbas, HRM in Digital Environment/ 2014/ Al Mustansiriyah University / Baghdad /Iraq

4. Dr. Suhaila M. Abbas, Measuring Intellectual Capital / Nusoor Oman Journal/2014

5. Dr. Suhaila M. Abbas, Strategic Partnership between Business Education and Industry /

January 2015/ MOHE
Journal/

6. Dr. Suhaila M. Abbas ,
Efficiency of HR Capital /
Analytical Study of Gulf
Countries/ Al Zarqa
University/ Sixth
Conference, March 2014
Jordan/ Amman

7. Dr. Suhaila M. Abbas ,
Managing Strategic Career
Development / Al Zarqa
University/ Sixth
Conference, March 2014
Jordan/ Amman

8. Dr. Suhaila M. Abbas ,
Measuring Intellectual
Capital at HEIs/
Multidisciplinary

Conference / Turkey/ April
2015

9. Dr. Suhaila M. Abbas
,Practices and Applications
of Entrepreneurship in the
Universities / Seminar/
Mazoon College 2014

A female scientist with brown hair, wearing a white lab coat, is holding a molecular model. The model consists of black spheres (carbon) connected by grey rods, with various colored spheres (red, green, blue, yellow, white) representing different atoms. She is looking at the model with a slight smile. The background is a blurred laboratory setting.

Research Proposals Details

Sl. No	Investigators	Title of the Proposal	Budget In OMR
1	Dr. Saleem Basha Dr. Mohamed Abbas	Principle Component Analysis Based Performance Evaluation Framework for Multilingual (Arabic) Information Retrieval Systems	125300
2	Dr. Mohamed Abbas Dr. Saleem Basha	Domain Specific Modeling and Ontology Based Search Engine Composed Web Database for Oman Legal System	129300
3	Mr. Bakhtiar Naghdipour Mr. Abdallah Saeed	Teachers' feedback practices in writing classes: A case of General Foundation Programs in Oman	5500

Details:

Title of the Proposal: Principle Component Analysis Based Performance Evaluation Framework for Multilingual (Arabic) Information Retrieval Systems

Principal Investigator: Dr. M.S.Saleem Basha

Co-Principal Investigator: Dr. A. Mohaed Abbas

Sector: Information Technology / Communication

In this executive summary all these works are related to implementation of different MLIR Systems. Very few works have concentrated on performance evaluation schemes based on MLIR evaluation initiatives. In most of the works, only available evaluation methodologies of IR systems are used for evaluating MLIR systems and this issue motivated us to for domain specific evaluation schemes for MLIR systems. So, we are keen to propose a standardized metric framework for evaluating the performance of the MLIR systems. In this perspective, this research proposal is aiming at to develop a metric based mathematical model for evaluating the performance of MLIR Systems using PCA. The proposed system will contains appropriate set of metrics includes available and newly defined

metrics. Here the relationship between evaluation properties and corresponding metrics can be mapped by using Principal Component Analysis (PCA) one of the Multivariate Statistical Methods. Since it is difficult and inadequate to use the common metrics IR systems to assess the MLIR systems, it is aimed to propose a domain specific performance evaluation model for MLIR systems. Hence in this project greater efforts will be taken to develop domain specific standard based on set of Metrics for Evaluating the Performance of MLIR Systems. The main objective of this project is to construct a Mathematical Mapping Model for MLIR Characteristics/Properties and MLIR Performance Evaluation schemes.

Title of the Proposal: Domain Specific Modeling and Ontology Based Search Engine Composed Web Database for Oman Legal System

Principal Investigator: Dr. A. Mohamed Abbas

Co-Principal Investigator: Dr. M.S.Saleem Basha

Sector: Information Technology / Communication

This research proposal aims to deliver a Distributed Domain Specific Modeling Environment that includes a domain specific search engine and an ontology system for Oman Legal Domain. This new direction of combinatorial research proposal on distributed environment will facilitate the Legal Experts to create and maintain

their common user centered IT environment. This environment also facilitate the ease of operation and maintenance of huge heterogeneous web-based databases of Oman Legal Systems irrespective of increasing in load and traffic in web service environments in future.

Title of the Proposal: Teachers' feedback practices in writing classes: A case of General Foundation Programs in Oman

Principal Investigator: Mr. Bakhtiar Naghdipour

Co-Principal Investigator: Mr. Abdallah Saeed

Sector: Education / Human Resources

The scholarship on feedback in foreign language writing programs has paid a great deal of attention to the impact of feedback on learners' writing performance. Yet, research on teachers' feedback beliefs and practices, as well as their knowledge and awareness of the importance of feedback, as crucial factors affecting students' writing, has remained scarce. This is highly important in EFL contexts such as Oman where more than 90% of higher education institutions have adopted English as a medium of instruction, and students from different disciplines attend intensive English classes at General Foundation Programs (GFPs) to develop their English competency, particularly their writing abilities, as a requirement for admission to different degree

programs. Given the importance of feedback to improve students' writing ability, there exists a need to investigate the teachers' feedback policies, practices, and beliefs at GFPs across the country. To help raise the teachers, educators, and policymakers' awareness of the importance of feedback in academic writing classes, the current study seeks to investigate how teachers at GFPs across the country view and incorporate feedback into their writing classes. In particular, this study seeks to explore how teachers at GFPs across the country teach writing, what they know about feedback, strategies and what common feedback practices they use. To this end, a sample of 60 teachers will be randomly selected from different major institutions of

higher education in different cities in Oman. Semi structured interviews will be conducted with the participants to obtain information on the key aspects of their feedback practices and strategies. To triangulate the results from the teachers' interviews, the same number of students from the same institutions will be also interviewed. The study will use semi-structured interviews to obtain in-depth insights into the teachers and students' experiences and opinions on feedback. Because it was impossible to investigate the role of feedback without having sufficient knowledge on the dynamics of writing instruction in terms of the approaches followed, the materials used, the assessment criteria adopted, and portion of writing on syllabus, the first part of the interview for both teachers and students will investigate their opinions on different aspects of writing instruction. The second part, however, will explore teachers and students' experiences and opinions on the teachers' feedback practices and the role of feedback in their writing classes. The interviews will be all transcribed and along with the notes taken from unrecorded interviews will be

subjected to the content analysis using NVivo to extract the recurrent themes, patterns, and responses. Given the importance of writing not only for academic places but for professional benefits, in particular writing at workplace and business writing, as Oman is experiencing one of its fast-growing periods of human and economic developments, more attention should be paid to English writing instruction, assessment, and feedback. This study, therefore, aims to fill in the gap in research on feedback in this context, hoping that results from this study contribute to the more effective feedback policies and practices at GFPs, where annually thousands of students enter these programs throughout the country. By exploring the teachers' feedback strategies and practices in an EFL context, the findings of this study intend to offer insights into the way writing teachers can make use of more effective responding behaviors to students' writing in EFL settings. We also hope that the findings will have implications for pre-service and in-service training on more effective responding practices to students' writing in this context.

A pair of hands is shown holding a small, translucent green globe. Inside the globe, a dark silhouette of a world map is visible. The hands are positioned as if cradling the globe, with fingers gently gripping it. The background is a soft, out-of-focus white.

TRC Open Research Forum

We would like to inform you that, we have participated in “The Annual Research Form 2015” organized by The Research Council (TRC) during 26 & 27th October 2015 held at Shangri La Barr Al Jissah, Muscat.

26/10/2015 Report:

The first day program started with welcome speech by His Excellency Dr.Hilal bin Ali Al Hinai - TRC Secretary General. He has delivered various activities and funding proposals of TRC.



After his speech, the TRC released introductory film about TRC programs. The film was given the information about the growth and activities of TRC. The guest of honor Professor Burkhard Rauhu, Chairman – International Advisory Board Committee was given a speech about the growth of research work in Oman and what is to be need in Oman?

Followed the above session, Innovation Park Muscat branding theme was launched and Exhibition was opened. In that exhibition, the various poster presentation was done by SQU, University of Nizwa, Higher College of Technology, Sohar University and Caledonian College of Engineering, etc. After that, the parallel sessions was started with Education and Human Resources Sector, Environment and Biological Resources Sector and Culture, Basic and Social Sciences Sector. We participated in Education and Human Resources Sector. This sector was started with “Introduction about Education and Human resources sector” given by Dr.Maryam Al Nabhani, TRC. After that the following speakers are given the speech in different topics as

- “International trends in Education and human resources sector” by Dr. Otherine Neisler, SQU.
- “Effectiveness of Flexible digital media platform in Anatomy education” – Mr. Ibrahim Inuwa, SQU
- “Gender gaps in student performance: Implications on the labor market and the fabric of society” – Mr. Mohamed Makki, SQU
- “Introduction about FURAP” - Sara AL Breki, TRC
- “An Investigation of the Linguistic, Pragmatic and Communicative Competencies of Higher Education Students in Oman: Bridging the Gap between Tertiary Education and Employment” – Ms. Rahma Al-Mahrooqi, SQU
- “Teachers' Assessment Literacy and Practices: Establishing a Link to Students' Motivational Orientations and Learning Strategies” - Dr.Hussain Al Kharousi , SQU
- “Internet addiction among secondary and university students in Oman: an inter disciplinay investigation” – Ms. Abdel majid Bouazza, SQU

The day one program was completed after the parallel sessions.

27/10/2015 Report:

The second day program started with parallel sessions. The parallel sessions are Energy & Industry Sector, Information and Communication Technology Sector and Health and Social development Sector. We are participated in Information and Communication Technology sector. The following topics were presented during this session:

- “Introduction about Information and Communication Technology Sector” by Dr. Ali Al Shidhani, TRC.
- “E Business Research Strategies: Building Research Capabilities Both Locally and Internationally From the ITA E Oman Experience” - Dr. John Haynes, Nizwa University
- “Sensor Networks for an Enhanced and Personalized Management and Use of Resources (SNEPMURE)” -Dr. Shafique Chaudhry, Dhofar University

- “Design and Development of Novel Optical Amplifiers for Optical Communication Networks in Oman” - Mohammed Al-Mansoori, Sohar University
- “Ontology driven Decision Support System for detection and risk assessment of Hypertension in related diseases in Sultanate of Oman” - Dr. Youssef Saad Takroni, Arab Open University

Keynote speaker industry – Panel Discussion

- “Big data: concepts and case studies” - Saud Al Zakwani / OXY-Oman
- “Capitalizing big data”, Dr. Basel Dayyani / Gutch
- “Power of Data: Transforming Data to Knowledge”, Faris Abdullah Al Kharusi PDO

After that, there were panel discussions about “Big Data”. The participants are asked different questions and the panel members were given valuable inputs and suggestions to participants.



After the parallel sessions, the closing ceremony was conducted. In closing ceremony, the individual innovation competition was presented by the assistant secretary general of innovation development and followed by National Research Award was presented by Assistant secretary general for research and programs. At end of the presentation, the film about the Winners of the National Research Award was displayed. Finally, the Annual Research Forum 2015 program was finished with Honoring the Winners.



Student Publications

S. No	Name of the Student	Department	Title of the Paper	Name of the Journal	Year of Publication
1	Mr. Mujahid Hamood Hilal Al Zakwani	Computer Science	Automation of Sub-Netting Problems Using Mathematical Modeling and Simulation	International Journal of Engineering Science Invention, Vol. 3(11), pp 27 – 36.	2014
2	Ms. Ashwaq A Saleh	Computer Science	Less Delay, Shortest Path In MANET	Proceedings of 2nd International Conference on Applied Information and Communications Technology – ICAICT`14	2014
3	Ms. Fakharyh Khamis Salim Al Harrasi	Computer Science	A Dual Mode DNA Cryptography: Bio Inspired Approach for Information Security	International Journal of Emerging Technologies in Computational and Applied Sciences (IJETCAS), Vol 3(11), pp 207-212.	2015
4	Mr. Sulaiman Saed Sulaiman Al Balushi	Computer Science	Hyperlocal Alerts and Tracking of Peoples Using Geofencing - A Virtual Boundaries	American International Journal of Research in Science, Technology, Engineering & Mathematics, Vol. 10(4), pp 314 - 322.	2015
5	Mr. Khalid Masaud Saleh Al Maadi	Computer Science	Remote Monitoring and Controlling of Industrial Robots in a Large Industry Using Mobile Device	American International Journal of Research in Formal, Applied & Natural Sciences, Vol. 1(12), pp 40-45.	2015
6	Mr. Younis Said Al Hajri	Business Administation	Impact of ATAD system on the simplification process of administration procedures in Ministry of Education, Sultanate of Oman	International Journal of Engineering, Business and Enterprise Applications (IJEBEA)	2015

7	Mr. Ahmed Salim Al Mayayhi	Computer Science	Smart E-Preparation for Teachers of Moussa Ben Ali for Basic Education in Sultanate of Oman	International Journal of Advanced Research	2016
8	Ms. Nishatbanu Nayakwadi	Computer Science	Face Recognition System Using Local Ternary Pattern and Signed Number Multiplication	International Journal of Engineering Science Invention, Vol. 5(1), pp 44-50.	2016
9	Mr. Hamed Nasser Al-Busaidi	Computer Science	ICS: An Optimized IDS Mechanism for DDoS Attacks Mitigation	American Journal of Engineering Research (AJER)	2016

PUBLICATIONS





TRC FURAP Seminar

REPORT OF ONE DAY WORKSHOP ON
FACULTY MENTORED UNDERGRADUATE RESEARCH AWARD
PROGRAM (FURAP)
Funded by The Research Council (TRC)

Held on 16.03.2015
At
Mazoon University College, Muscat

Organized by the Research Center, Mazoon University College, Muscat

Chief Guest: Ms. Sara Salim Ahmed Al Breki, Coordinator of FURAP

Background of the program:

Faculty Mentored undergraduate Research Award Program (FURAP) was established by the TRC of Oman focusing on the colleges and University student who have thirst for research and knowledge. FURAP by TRC are effective facilities in enhancing and supporting sustainable resources for funding for learning and collaborative partnerships. Accompanied with effective training and building the capacity of students, they can enhance the competence and confidence of research in implementing tools in their professional roles and development. The goal of this program was to enable faculty and students to be sufficiently prepared, confident and competent in making full use of the benefits of these wonderful facilities in and out of the class room.

Objectives of the Workshop.

- Research can and does help students develop all kinds of skills.
- To enable faculty and students become competent in innovatively employing their research thinking's.
- To enhance the thirst for Research Knowledge.
- To provide an complete understanding of doing the research and its corresponding activities.
- To provide insight procedures and research methodologies.
- To enhance participants' Research literacy, Internal research skills and presentation skills

Format of workshop

The workshop sessions consisted of the official opening of welcome address by **Dr. Jamal Dawood Salman**, Professor and Dean, Mazoon College, to **Ms. Sara Salim Ahmed Al Breki**, Coordinator of FURAP, TRC and her team, followed with the Felicitation by **Dr. Nasir Ahmed Khan**, Professor and Head, Department of Quality Assurance, Mazoon College, ensured that the

participants stayed focused and that the main objectives were achieved, namely to identify the research gaps and challenges faced by the participants. Later The session was passed to the TRC team.

FURAP to the participants

The sessions were spread over two days from 10:15 am to 12:00 Noon, The TRC team have given the introduction about the FURAP program with the use PowerPoint presentations and promotional video, the TRC team enlightened the participants about program. The emphasis was on the connecting student and faculty to TRC facilities and how TRC would help facilitate such research and research collaborations. This was followed by a brief discussion and introduction of FURAP objectives. Continued to give the eligible criteria, proposal format, submission procedure, evolution criteria and evaluation process. They gave the online demonstration of submission procedures. This session was used to have the participants share their experiences in regards to challenges and barriers to successful integration of knowledge in the research activities. During the final session of the workshop the research interested participants introduced themselves mentioning their names to the TRC team and had a brief discussion and questioners regarding the FURAP program.

Vote of Thanks

On behalf of the participants and Research Center of Mazoon College, Dr. M.S.Saleem Basha, Assistant Professor, Mazoon College, gave a vote of thanks to the facilitator, host principals and the assisting teachers/ partnership coordinators. The participants in particular noted that the workshop is quite different from other types of workshops. They were amazed that they were engaged all through the sessions. This to them was a unique experience

Research Cluster



The Mazoon college faculties have formed research clusters, which comprises of formation of the faculty active research groups with similar area of specialization.

1. Dr. Saleem Basha, Assistant Professor
2. Dr. Mohammed Jameel Hashmi, Assistant Professor

Cluster - 1

1. Dr. Saleem Basha, Assistant Professor
2. Dr. Mohammed Jameel Hashmi, Assistant Professor
3. Dr. Esam Al Lawati, Assistant Professor
4. Ms. Gardi, Lecturer

Cluster - 2

1. Dr. Saleem Basha, Assistant Professor
2. Dr. Mohamed Abbas, Assistant Professor
3. Mr. Mable Vargeese, Lecturer

Cluster - 3

1. Dr. Saleem Basha, Assistant Professor
2. Dr. Mohamed Abbas, Assistant Professor
3. Dr. Mohammed Jameel Hashmi, Assistant Professor

Cluster - 4

1. Dr. Saleem Basha, Assistant Professor
2. Dr. Mohamed Abbas, Assistant Professor
3. Mr. Mable Vargeese, Lecturer

Cluster - 5

1. Dr. Saleem Basha, Assistant Professor
2. Dr. Mohamed Abbas, Assistant Professor
3. Mr. Mable Vargeese, Lecturer

Cluster - 6

Workshop Conducted for Master Students



MASTER PROJECTS AND FUNDING AGENCIES

One Day Seminar on “**Master Projects and Funding Agencies**” organized by Center for Research and Development & Department of CS & IT on 10/10/2016 at Hall B from 3.30 pm to 5.00 pm. The programme was convened by **Dr. A. Mohamed Abbas**, Head - CS&IT and coordinated by **Dr. M. S. Saleem Basha**, Assistant Professor and Research Center Incharge.



Welcome Address by
Dr. Mohammed Jameel Hashmi, Acting
Head, QA

The seminar started with the welcome address was given by **Dr. Mohammed Jameel Hashmi**, Acting Head, Quality Assurance Department. The presidential address was given by

Dr. A. Mohamed Abbas, Head - CS&IT.

The first session of the seminar



Presidential Address by
Dr. A. Mohamed Abbas, Head -
CS&IT

was handled by **Dr. Shaikh Khalique**,



Dr. Shaikh Khalique delivered the
lecture on “**Master Projects**”

Assistant Professor. He started the lecture on “**Master Projects**”. He covered the thrust areas of Master Project work and presented the step by step procedure of project works.

Finally, he delivered the way of preparation of thesis book.

The second session of the seminar was handled by **Dr. M. S. Saleem Basha**, Assistant Professor & Research Center Incharge. He started the lecture on **“Funding Agencies”**.



Dr. Saleem Basha delivered the lecture on “Funding Agencies”

He explained, What is training? Where to get training? He gave the complete information about the **Information Technology Authority (ITA), Sultanate of Oman**. Finally, he delivered the information about the Funding Agencies and also given the details of The Research Council. The various funding schemes of The Research Council was circulated and discussed about the various schemes.

The program concluded with vote of thanks by **Dr. Daiyan**, Assistant Professor.



Dr. Mohamed Daiyan delivered the Vote of Thanks



Participants

Seminar on “Web Security Threats and it’s Countermeasures”

The seminar on “**Web Security Threats and it’s Countermeasures**” was conducted by the Department of CS & IT on 29/03/2016 at Hall B from 5.00 pm to 6.30 pm. The programme was convened by **Dr. M. S. Saleem Basha**, Assistant Professor, M.Tech Coordinator and coordinated by **Dr. A. Mohamed Abbas**, Assistant Professor.

The seminar started with



Welcome Address by **Dr. Mohammed Jameel Hashmi**, Head/CS&IT

Verses from the Holy Quran by **Mr. Ghalib**, M.Tech-Student. The welcome address was given by **Dr. Mohammed Jameel Hashmi**, Head/CS&IT.

The introduction of the guest speaker was given by **Dr. M. S. Saleem Basha**, Assistant Professor.



Introduction about the Speaker by **Dr. M. S. Saleem Basha**

Followed by the introduction, the guest speaker **Dr. Benson Raj** started the session lecture on “**Web Security Threats and it’s Countermeasures**”.



Guest Lecture by **Dr. S. Benson Edwin Raj**, Assistant Professor
Rustaq Applied Science College,
Rustaq

He covered the thrust areas of security issues in web services, Internet Security, Phishing/Pharming, Denial of Service, Methods of Attack, etc and also he shown many live demo of

attacks in web. Finally, he has informed to the participants, how to safe our data from attackers.

The M.Tech - current batch (2016) and previous batch (2015) students are participated in the bath the session.



Distribution of Memento and Certificate of Appreciation to

As a token of thanks, the Memento and Certificate of Appreciation are distributed to the guest speakers. The program concluded with vote of thanks by **Dr. A. Mohamed Abbas**, Assistant Professor, Seminar Coordinator.



Cyber Attacks and its Psychological Impact on Individuals

The seminar on “**Web Services**” was conducted by the Department of CS & IT on 29/03/2016 at Hall B from 6.30 pm to 8.00 pm. The programme was convened by **Dr. M. S. Saleem Basha**, Assistant Professor, M.Tech Coordinator and coordinated by **Dr. A. Mohamed Abbas**, Assistant Professor.

The seminar started with Verses from the Holy Quran by **Mr. Ghalib**, M.Tech-Student. The welcome address was given by **Dr. Mohammed Jameel Hashmi**, Head/CS&IT.



Welcome Address by Dr. Mohammed Jameel Hashmi, Head/CS&IT

The session was started with Introduction about the speaker by

Dr. A. Mohamed Abbas, Assistant Professor, Coordinator.



Introduction about the Speaker by Dr. A. Mohamed Abbas

The guest speaker **Mr. Senthil Kumar** started the session lecture on “**Cyber Attacks and its Psychological Impact on Individuals**”. He given the information about the Internet Usages in present situation. He has



Guest Lecture by Mr. Senthil Kumar

Rustaq Applied Science College, Rustaq explained various infrastructures related to attacks (like Critical infrastructure, Other infrastructure and Personal



infrastructure). He gave the solution for “What to do after Cyber Attack”. He covered the various



Distribution of Memento and Certificate of Appreciation to Guest Speakers

psychological impact such as Stress, Anxiety, Depression, Emotions, Mistrust, Negative Impact and Fear.

The M.Tech - current batch (2016) and previous batch (2015) students are participated in the



M.Tech – Students (Participants)

bath the session.

As a token of thanks, the Memento and Certificate of Appreciation are distributed to the guest speakers. The program concluded with vote of thanks by **Dr. A. Mohamed Abbas**, Assistant Professor, Seminar Coordinator.



Dr. Juma Saleh Al-Ghailani
Managing Director



Dr. Jamal Dawood Salman
Dean



Mazoon College is a private academic institution that has operated under the supervision of the Ministry of Higher Education since 1997. It was established to provide higher education nationally and internationally in different fields. At present, it has eight programs at undergraduate level and two programs at postgraduate level. The College gives high school graduates, international students, and employees the chance to gain the educational skills and the high technology to cope with the ever-changing modern development. The College, from its first establishment, has made firm steps towards the qualitative development of its performance to provide prestigious services. It is also aware of the need to conduct full review and continuous evaluation of its progression. It always seeks to provide itself with high quality academic and administrative staff and the addition of new majors required by the community and to develop its already existing capabilities.

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