



كلية مسقط
Muscat College

Office of the Assistant Dean for Academic Affairs

Research Output Muscat College



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Department of Business and Accounting

1. Introduction

This report highlights the achievements of the academic staff in Department of Business and Accounting in a range of research accomplishments from 2010-2015. These research endeavors include publishing research papers in the peer reviewed journals, participating in the international conferences, offering services on the editorial boards, serving as resource for charring conferences, sabbatical leave for research and reviewing the academic programs.

2. Active Faculty Research Areas (only highlighted titles)

S.No	Staff Names	Research Areas
1	Dr.Vijaya Kumar Gudep	Customer Satisfaction, Employee Job Satisfaction, Employee Creativity, Work Life Balance(WLB) and Customer Relationship Management (CRM)
2	Dr. Mathew	Organizational Theories, Marketing and Development of Business Models
3	Dr Vinay Gupta	Leadership Styles, Employee Job Satisfaction, Consumer Behavior, Advertising Effectiveness, Distance education in Oman and Higher Education in Oman
4	Dr.Varalakshmi	Micro Finance, Financial Performance Analysis, Customer Satisfaction, Employee Stress Management and Emotional Intelligence
5	Dr. Gopalakrishnan	Financial Services, Financial Analysis, Security Analysis, Customer Satisfaction
6	Tamanna Dalawi	Corporate Governance, Corporate Social Responsibility, Islamic Finance, Accounting Education, Finance Theory and Accounting Standards
7	Ruksana Banu	Work-Life Balance, Health Economics, Economic Development, Employee Motivation, Women and Development
8	Gaitri Chugh	Corporate Governance, Financial Performance Analysis, International Financial Reporting Standards (IFRS)
9	Preeti Shrivastava	Customer satisfaction, E-banking, Marketing Management Information System
10	Syeeda Shafiya	Management, Financial Accounting and Human Resource Management
11	Sumi Prasad	International trade & Finance

3. **Funded Faculty Research Projects** Nil

4. **Funded Student Research Projects** Nil

5. Faculty Journal Papers

Publication in journal article in following format

Sl. No.	Staff Name	Research name	Field	Period	Published researches (scientific journals name / country)	Title of the Research
1.	Gudep,Vijaya	Customers' Attitudes	Customer Relationship Management	2011	Corporate Governance in Banks, ISBN 10: 0230-32428-2 and ISBN 13: 978-0230-3248-2, Macmillan Publishers, Delhi, Edition, 2011.	Do Indian Banks Understand Their Customers' Attitudes? An Empirical Study of Customers' Attitudes towards Customer Relationship Management (CRM) Aspects in Five Select Public Sector Banks in India.
		Customer Demographics	Customer Relationship Management	2012	International Journal of Research in Commerce, Economics & Management (ISSN 2231-4245), Volume No: 1 (2011), Issue No. 3 (JULY).	Impact of Customer Demographics on the CRM Awareness and Efficiency: An Exploratory Study of the Five Select Public Sector Commercial Banks in India
		Dynamics of Work - Family interface	Boundary Theory	2012	International Journal of Research in Commerce, IT & Management, Volume No 2 (2012), Issue No. 7 (July).	Understanding the Dynamics of Work - Family interface through the Boundary Theory: A Review of Empirical Research.
		Employees' Attitudes	Human Resource Management	2012	Omani Journal of Applied Sciences (ISSN 1990-5149), vol. 4, issue 1, pp. 1-20.	Does Job Satisfaction Lead to Creativity? An Empirical Study of Employees' Attitudes towards Job Satisfaction from Five Select Service Industries in the Cities of Dubai, Sharjah and Muscat in Middle East.
		Customer Satisfaction	Knowledge Management	2013	Tata McGraw Hill Education Private Limited, pp. 155-165 (ISBN-13: 9781259063800), Edition, 2013	An Evaluation of Customer Satisfaction in select Public and Private Sector Commercial Banks in India.

2.	Mathew Philip	E-learning	Marketing	January 2010	Indian Journal of Marketing. New Delhi, Vol. XXXX.	E-learning enhanced by Web 2 Technologies and Blackboard Services.
		Supply Chain Management	Management	April-June 2010	GITAM Journal of Management Vol-8, April-June 2010.	The Relationship Between ERP System's Functionality & Supply Chain Management Performance.
		Retail Markets	Marketing	2010	International Retailing- Text & Reading, Excel Books, 2010.	Retail Markets in Oman Organized and Unorganized Markets.
		Small Business	Management	February 2011	Amity Global Business Review, Volume 6, No-1	The success factors of small business
		Tourism Promotion	Marketing	February 2012	Amity International Strategic Management Review, Volume-4, No-1, February 2012.	Multi-ethnic Elements and Tourism Promotion.
		Strategic Partnership	Management	2014	Journal of Applied Management Oman, 2014.	Strategic partnership between Business Education and Industry.
3.	Tamanna Dalwai	Accounting Education	Accounting	December 2010	Indian Journal of Accounting Vol XLI (1) ISSN 0972-1479 Country (India).	India Versus Oman – Accounting Education System At Undergraduate Level – A Comparison.
		Global Financial Crisis	Accounting/ Finance	2011	International Journal of Arts & Sciences (IJAS) Volume 4, Number 15 ISSN:1944-6934 Country (US).	Global Financial Crisis: Focus On Sultanate Of Oman.
		Corporate Governance	Accounting/ Finance	2015	Corporate Governance: The international journal of business in society. ISSN: 1472-0701.	A critical review of relationship between corporate governance and firm performance: GCC banking sector perspective.
4.	Ruksana Banu	Economics	FDI and Multi-Brand Retail	November 2012	Pacific Business Review International, ISSN 0974-438X, Volume 5 (2012) Issue No. 5	FDI in Multi-Brand Retail: Issues and Implications on Indian Economy
		Management	Work-life Balance	July 2012	International Journal of Research in Commerce and Management	Understanding the Dynamics of Work-Family Interface through the Boundary Theory: A Review

					(IJRCM), ISSN 2231-5756, Volume 2 (2012) Issue No. 7.	of Empirical Research.
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5.	Dr. Varalakshmi	Emotional Intelligence	Human Resource	January 2011	International Journal of Research in Commerce and Management/India	Emotional Intelligence - A Study with special reference to the Employees of Salalah College of Technology
		Customer Services	Marketing	April 2011	JM International Journal of Finance, Volume No.1, Issue No.3/India	A study on Customer Services with reference to Customers of National Bank of Oman
		overview of Microfinance	Accounting and Finance	April-June 2011	National Institute of Bank Management, Vinimaya, Volume No.XXXII, Issue No.1/India	A study on the overview of Microfinance in Oman
		Organizational Climate	Human Resource	May 2011	International Journal of Research in Computer Application and Management/India	A study on Organizational Climate with special reference to the Employees of Salalah College of Technology
		Micro Finance Perception	Accounting and Finance	July 2011	Zenith International Journal of Multidisciplinary Research, Volume No.1, Issue No.3/India	Micro Finance Perception – A Study with special reference to Salalah, Sultanate of Oman
		Mobile Service Provider	Marketing	July 2011	International Journal of Research in Computer Application and Management/India	Mobile Service Provider- A Study with special reference to Nawras LLC
		use of the Internet	Marketing	July – December 2011	International Journal of Emerging Technologies and Applications in Engineering, Technology and Sciences, Volume No.4, Issue No.2/India	Student use of the Internet- A Study with special reference to Salalah college of Technology
		marketable carbon credit	Accounting and Finance	February 2012	An International Multidisciplinary Research Journal	A study on marketable carbon credit: an overview
		Interpersonal relations	Human Resource	November 2013	International Journal of contemporary Practices, Volume No.2, Issue No.4/India	Student's perception on interpersonal relations in teaching staff- A Study
		Financial Statement	Accounting and	November 2013	Asian Journal of Research in Banking	A study on Financial Statement Analysis with

		Analysis	Finance		and Finance, Volume No.3, Issue No.11/India	reference to Raysut Cement Company, Sultanate of Oman
6.	Preeti Shrivastava	Marketing		2012	International Journal of Research in Computer Application & Management, Vol.2, Issue 4, pp. 10-16.	An Empirical Study on Marketing of Gadwal Saris in India.
		Management		2012	International Journal of Computer Science and Technology, Vol. 3, Issue. 2, Apr - Jun, 2012, ISSN: 0976-8491(online), 2229-4333 (Print).	User Perceptions of Web-Site Quality for Banks in Oman.
		Marketing		2011	Small Enterprises Development, Management and Extension Journal (SEDME).	Drudgery Exceeds Revenues for Gadwal weavers: An Empirical Micro Analysis.
		Management		2011	International Journal of Research in Commerce, IT and Management, Vol. 1, Issue 6, pp. 18-24. ISSN 2231-5756. Vol 38, Issue 4, pp. 57-70.	An Empirical Bivariate Case Study on associations between select factors concerning post-graduate students and their academic performance.

7.	Dr.Gopalakrishnan	Strategic Management	Management	2010	RVS Journal of Management. ISSN 0975-3435.	A study of Entrepreneurship.
		Growth Analysis	Finance	2013	Life Science Journal. Life Sci J2013;10(2s):209-218] (ISSN:1097-8135) 37, pp 209-218.	Growth of BSE Listed Automobile Sector in India.
		Profitability	Finance	2013	International Journal of Scientific Research, (ISSN: 2277- 8179), 2013.	Profitability Trend in BSE Listed Automobile Sector in India with reference to Car & Jeep sector.
		Profitability	Finance	2014	Indian Journal of Applied Research, (ISSN: 2249-555X),20140	Profitability Trend in BSE Listed Automobile Sector in India with reference to LCV & HCV sector.

		EVA	Finance	2014	Indian Journal of Applied Research, (ISSN: 2249- 555X), Vol. 4, Issue 3, March, 2014, pp 227-2290	Economic Value Added Analysis selected Indian Automobile Sector.
		Trend	Finance	2014	Global Journal for Research Analysis, (ISSN: 2277-8160), April 2014.	Recent trends in Indian Automobile Sector.
		Profitability	Finance	2014	RVS Journal of Management, (ISSN 0975-3435), Excel India Publishers, New Delhi, July 2014.	Profitability trend in BSE listed Automobile sector in India.

6. Faculty Conference Proceeding Papers/presentations

Sl.no.	Staff Name	Activity	Organizer	Dates	Title of the Research
1.	Dr.Gudep, Vijaya	International conference on Marketing & Business Strategy ICOMBS-2010.	IBS, Hyderabad in India	December 3-4, 2010	Impact of Customer Demographics on the CRM awareness and efficiency: An exploratory study of the five select public sector banks in India.
		Omani International Business Conference in SQU	SQU	21-23, February, 2011	Do They Really Adopt Business Ethics in Marketing of Food Products to Children and Adolescents? - A Study of the Middle East Scenario.
		an International Conference on Corporate Governance in Banking Sector	Institute of Public Enterprise, Hyderabad, India	8th - 9th September, 2011	Do Indian Banks Understand Their Customers' Attitudes? An Empirical Study of Customers' Attitudes towards Customer Relationship Management

					(CRM) Aspects in Five Select Public Sector Banks in India.
		International Conference on Knowledge Management and Resource Sharing	Muscat city of Oman	February 27-28, 2012	An Evaluation of Customer Satisfaction in Select Public and Private Sector Commercial Banks in India
		International Conference on the Global Perspectives of Business & Management – Changing Dynamics (GPBM, 2012)	Skyline University College, Sharjah in UAE	29 April- 1 May 2012	An Empirical Study on the Perception of Work-Life Balance Policies among Dual-Earners’.
2.	Dr.Mathew Philip	Corporate Governance	International Accounting Conference.	November 2010	The Four Views of Corporate Governance Deployment: A Pragmatic Approach.
3.	Ruksana Banu	International Conference on the Global Perspectives of Business & Management- Changing Dynamics.	Skyline University College, Sharjah (UAE)	29 April- 1 May 2012	An Empirical Study on the Perception of Work-Life Balance Policies among Dual-Earners’ in Oman.
		the International Conference on Knowledge Management & Resource Sharing	Waljat College (Oman)	27-28 February 2012	An Evaluation of Customer Satisfaction in select Public and Private Sector Commercial Banks in India’
		International Conference on Human Resource Development	University Technology Malaysia (Malaysia)	22-23 June 2011	A Study on Effectiveness of Work Life Balance Programme adopted by Higher Education Institutions
4.	Dr.Varalakshmi	National level conference	Motilal Nehru National Institute of Technology, Allahabad	12-13 th March 2010	A study on the implications of global economic crisis

		Workshop	School Emerge of Finance and Accounts	20th February 2010	Workshop on International Accounting Standards
		Workshop	Civil Supplies and Consumer Protection, Government of Tamil Nadu	10 th March 2010	Sustainable Consumption
		National Conference	Queen Mary's College	April 2011	National Energy Conservation – A study on its issues and management
		International Conference	Periyar University	December 2011	A Study on Overview of Entrepreneurial Motivation,
		International Conference	Vidyasagar University	December 2013	A study -Financial Crime on its issues and management
		International Conference	IMT, NAGPUR	December 2013	Accountability of Credit Rating Seervices
		Symposium	First Joint Scientific Symposium, Ministry of Higher Education, College of Applied Sciences, Sultanate of Oman/India	April 2010	A Study on Modern Marketing Methodologies in the era of Computerization
		3rd NCT Symposium	Nizwa College of Technology, Nizwa, Oman	28th and 29th May 2012	Bridging the gap between Industry and Academia: Strategies and Solutions for Higher Education in Oman- Focus on Business Studies
		Oman Symposium on Management (OSOM 2012)	Ibra College of Technology,Ibra, Oman	4th of March 2012	Bridging the gap between Industry and Academia: Strategies and Solutions for Higher Education in

					Oman
5.	Ms. Gaitri Chugh	35th All India Accounting Conference and International Seminar on Accounting Education and Research	Department of Business Management, Saurashtra University, Rajkot	Jan 5th to 6th 2013	Lessons from countries around the world converging to IFRS
		International Conference on "Managing Innovations and Talent in Highly Competitive Global Business Environment"	Maharaja Surajmal Institute, New Delhi	2 February 2013	Impact of Corporate Governance Mechanisms on Firm's Financial Performance Around The World
		International Conference on "Contemporary Issues in Financial Institutions and Markets"	Department of Commerce with Farm Management, Vidyasagar University	19th & 20th December 2013	'Financial Crime: A Study on its Issues and Management'
		Oman Economy Contributions from Higher Education	Majan College	8th and 9th April 2014	Can Effective Corporate Governance Of Islamic Banks Enhance Financial Inclusion In The Sultanate Of Oman?
6.	Dr. Vinay Gupta	Seventh International Conference on Science, Mathematics and Technology Education	Curtin University, Australia and Sultan Qaboos University, Oman	November 4 to 7, 2012	Is Oman ready for distance education: Business Management Students' Perspective?
		3rd NCT Symposium	Nizwa College of Technology, Nizwa, Oman	28th and 29th May 2012	Bridging the gap between Industry and Academia: Strategies and Solutions for Higher Education in Oman- Focus on Business Studies.
		Oman Symposium on Management (OSOM 2012)	Ibra College of Technology,, Ibra, Oman	4th of March 2012	Bridging the gap between Industry and Academia: Strategies and Solutions for Higher Education in

					Oman.
7.	Ms. Sumi Prasad	International Conference On “Emerging Markets and Issues in Management”	Vellore Institute of Technology Business School, India	April 19th & 20th, 2013	An evaluation of Foreign Trade Performance and Growth Prospects With reference to Sultanate of Oman.
		International Conference on “Oman Economy Contributions From Higher Education”	Majan College	8th and 9th April 2014	Can Effective Corporate Governance Of Islamic Banks Enhance Financial Inclusion In The Sultanate Of Oman?
8.	Dr.Gopalakrishnan	National Level Conference on “Recent Trend in Indian Microfinance”	Sree Narayana Guru Institute of Management Studies, Tamil Nadu	12 th February 2010	SHG’s contributions towards the growth of Indian Micro finance Institutions.
		National Level Conference on “Corporate Restructuring – Strategies and Challenges	Sree Narayana Guru Institute of Management Studies	13 th February 2010	Mergers and Acquisitions – Strategies for managing changes.
		International Conference on Global Financial Recession – An International Perspective.	Nehru Institute of Management Studies	18 th February 2010	Impact of global recession on financial Sector.
		International Conference on Entrepreneurship Development.	RVSIMSR, Tamilnadu	19 th February 2010	Strategic Entrepreneurship.
		International Conference on Expectation on Indian Banking and Insurance Sectors.	CARE School of Business Management, Trichy	17 th April 2010	Customer satisfaction of Mobile Banking in Coimbatore City.

		National level Conference on Growth of Indian Microfinance Institutions.	Karpagam College of Engineering, Coimbatore	29 th October 2010	Building sustainable Microfinance Institutions.
		National Level Conference on Karikadharma – An analysis of 2 nd and 3 rd Generation Business Persons.	Sree Narayana Guru Institute of Management Studies	1 st February 2011	Strategies adapted by 3 rd and 4 th Generation Business person regarding Customer Satisfaction with reference to Pollachi town.
		National level Conference on Strategic Marketing of Microfinance Institutions.	RVS Faculty of Management, Coimbatore	4 th February 2011	Strategic Marketing of Micro finance Institutions.
		International Conference on Entrepreneurship and Innovations.	Sakthi Institute of Information and Management Studies, Tamil Nadu	10 th May 2012	Innovative Ideas To Enhance The Supply Chain Management Of Indian Automobile Sectors.
		International Conference on Entrepreneurship and Innovations.	Sakthi Institute of Information and Management Studies, Tamil Nadu	10 th May 2012	Cost Cutting Innovations In Indian Automobile Industry
		International Conference on Entrepreneurship and Innovations.	Sakthi Institute of Information and Management Studies, Tamil Nadu	11 th May 2012	Strategies Adapted By Rural Business Entrepreneurs Regarding Customer Satisfaction
		International Conference on Entrepreneurship and Innovations.	Sakthi Institute of Information and Management Studies, Tamil Nadu	11 th May 2012	Rural Women Entrepreneur and Economic Development
9.	Preeti Shrivastava	The 2nd Conference on Applied Information and Communications Technology(ICT)	Middle East College	28th -29th April, 2014	Acceptance and Use of Cloud Computing Services by college students in Oman, Paper ID: 134

10.	Ms. Syeeda Shafiya	International Conference	Majan College	8th & 9th April 2014	'Can Effective Corporate Governance Of Islamic Banks Enhance Financial Inclusion In The Sultanate Of Oman?'
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7. Student Journal Papers Nil

8. Student Conference Papers Nil

9. Faculty Research Groups (names of faculty in a group, summary of the group research) Nil

10. Faculty Journal Editorial Activities Nil

11. Editing of conference proceedings

Sl.No	Name of the Staff	Editorial Activities	Conference Name
1.	Gopalakrishnan	Member of Editorial Board – Springer Publication	International Conference on "Entrepreneurship and Innovations" held at Sakthi Institute of Information and Management Studies, Tamil Nadu

12. Faculty Journal Refereeing Activities

a. Faculty Journal Editorial Activities

Sl. No	Name of the Staff	Editorial Activities	Journal Name
1.	Dr.Gudep, V	Member of Editorial Board	International Journal of Business Management and Leadership (IJBML)
		Member of Editorial Board	Global Journal of Management and Business Studies (GJMBS)
		Member of Editorial Board	Global Journal of Marketing Management and Research (GJMMR)
		Member of Editorial Board	International Journal of Human Resource Development and Management (IJHRDM)
		Member of Editorial Board	International Journal of Quality Assurance and Management (IJQAM)
		Member of Editorial Board	International Journal of Business Administration and Management (IJBAM)
		Member of Editorial Board	International Journal of Recent Advances in Organizational Behavior and Decision Sciences (ISSN2311-3197)
2.	Dr. Mathew Philip	Member of Editorial Board	Asia Pacific Journal of Research in Business Management

3.	Dr. Gopalakrishnan	Member of Editorial Board	International Journal of Advances in Life Science and Technology
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13. Faculty Research Projects Refereeing Activities Nil

14. Faculty Academic Program Refereeing Activities.

Sl.No.	Name of the Staff	Program	Major	Institution/Industry	Period
1	Dr.Gudep, Vijaya	Bachelor of Business Administration (BBA)	Banking and Finance	College of Applied Sciences – Rustaq, Oman	2013-14
		Bachelor of Business Administration (BBA)	Insurance	College of Applied Sciences – Rustaq, Oman	2013-14
		Master of Science (MSc)	MSc Finance & Banking/PG Diploma in Finance & Banking	British University in Dubai (BUID), UAE	2013-14
		Bachelor of Engineering, BBA and MBA	Advisor and Academic Consultant	Anurag Group of institutions, Hyderabad, India	Ongoing

15. Faculty Conference Organization

Sl.No	Name of the Staff	Name of the Seminar/ Conference	Chairing of technical sessions	Period	Organizer
1	Dr.Gudep, Vijaya	Omani International Business Conference	Resource person	February,21-23, 2011	Sultan Qaboos University (SQU), Oman
		International Conference on the Knowledge Management and Resource	Resource person	February 27-28, 2012	Walijat College
		workshop for academic staff from private colleges in Oman	Resource person	March 27,2014	Arab Open University in Oman
		International Conference	Resource person	8 th April 2014	Majan College
		International Conference on Global Business, Economics, Finance and Social Sciences	Resource person & International Advisory Board member	to be held on 11-13th July 2014	Global Business Research Journal, Chennai, India

2	Dr. Mathew Philip	Global Financial Meltdown - Issues and Challenges (Seminar)	Resource Person	March, 2015	Mahatma Gandhi University, Nalgonda, Telangana, India
		International conference on implications for IFRS for corporate reporting practice.	Associating Team member from Abroad	March 2015	Osmania University, India.
3	Dr.Gopalakrishnan	International Conference Tejomayaa'14	Moderator	October 2014	Sree Narayana Guru Institute of Management Studies

16. Other Research/Scholarly Related Activities

- Sabbatical Leave: Our senior staff member Ms. Ruksana Banu went on sabbatical leave to complete her PhD requirements in UTM, Malaysia.

1. Staff Name: Ruksana Banu- Assistant Professor

Period Applied: – 01/08/2013 up to 15/09/20

Department of Computing

1. Introduction

This report highlights the achievements of the staff in Department of Computing in the research areas.

2. Active Faculty Research Areas (only highlighted titles)

SL.No	Staff Names	Research Areas
1	Dr.Reshmy Krishnan	Data Mining,Semantic Web
2	Dr. Menila James	Software Engineering and Image Processing
3	Mr. Gamal Abdel Nassir	Information Security
4	Dr. Sarachandran Nair	E-Learning
5	Dr. El Rasheed Ismail Sultan	Cloud Computing
6	Ms. Shermina J	Medical Image Processing
7	Ms. Praseeda Manoj	Data Analytics
8	Ms. Smitha Nayak	Medical Image Processing
9	Ms. Hameetha Begum	Information Systems
10	Ms. Sheeba.T	Information Retrieval
11	Ms. Janaki.P	Medical Image Processing
12	Ms.Madhuri Joseph	Data Mining
13	Mr.Saravanan	Medical Image Processing
14	Ms.Vanaja	Topology, uniform Space

3. Funded Faculty Research Projects

1. Research Name: Ontology driven Decision Support System for detection and risk assessment of Hypertension in related diseases in Sultanate of Oman.

- **Name of the Staff:** Dr.Reshmy Krishnan
- **Field:** Semantic web and Ontology Domain: Health Care
- **Period:** April 2012-April 2014
- **Summary of the project/research:** The aim of this project is to develop an Ontology based Clinical Decision Support System [CDSS] based on the Clinical Practice Guidelines [CPG] for identifying the risk assessment of Hypertension and its associated diseases such as diabetes in Sultanate of Oman. The architecture/model of CDSS will be based on semantic web technology so that more trusted and reliable recommendations can be provided in response to patient data. In the proposed CDSS, the system uses an adaptive clinical questionnaire based on ontology. The user is required to answer the questions regarding the patient's medical history. The users can be clinicians or patients themselves [through online]. Depending on the adaptive nature of the questions, the user input will be checked against a list of potential answers. This process is repeated till all the questions are done. So this ontology based adaptive information collection system iteratively captures precise and reliable patient information in each successive step. This intelligent questionnaire adapts itself as per patient's medical history, by asking relevant information which is significant to patient's profile. Using the semantic patient profile and the decision support ontology which is based on the hypertension its associated diseases such as diabetes CPG(5), the reasoner, predicts the risk assessment factor of hypertension with the help of a rule engine.

Author: Dr.Youssef Saad, Dr.Reshmy Krishnan, Mr.Sherimon PC, Ms.Vinu PV

2. Research Name: Ontology Based Intelligent System Model to Ensure the Quality of Seafood in Sultanate of Oman

- **Name of the Staff:** Dr.Reshmy Krishnan

- **Field:** Semantic web and Ontology Domain: Fisheries.
- **Period:** October 2014-October 2016
- **Summary of the project/research:** The objective of this research project is to develop an ontology based intelligent system to ensure the quality of seafood in Sultanate of Oman. Ontology is a formal specification of the concepts within a domain and their interrelationships. It describes the logical structure of a domain, its concepts and the relations between them. The aim of ontology is to capture knowledge in related field, provide shared understanding to conceptual knowledge, define common vocabulary in this field, and give clear definition to the mutual relationship between these words from different levels of formal model. Here well-known knowledge engineering "methods" for knowledge representation such as SWRL (Semantic Web Rule Language) to build the knowledge base and OWL as ontology language is used. The proposed intelligent system makes use of different knowledge bases to implement the processes of quality checking at all phases of seafood production. The system analyses the different lab test values with the guidelines in HACCP system, generates various reports and suggests suitable corrective measures. The reports generated by the system enables the concerned authorities to assess the quality of water/ice, salt, seafood, etc. The system also provides graphs displaying the acceptance/rejection rate of seafood from different landing centers and predicts the quality of raw materials of different landing centers using data mining algorithms. Ontology based systems are semantically rich and have better clarity compared to normal database systems. This enables information retrieval in a more meaningful way

Author: Dr.Reshmy Krishnan, Dr.Youssef Saad, Mr.Sherimon PC, Ms.Vinu PV

4. Funded Student Research Projects

TRC- Graduate Research Support Program

SINo	Team Members	Field	Period	Status	Fund	Title of the project
1.	Principal Investigator: Hafedha Said Sultan Al Omeiri Co-Principal Investigator: Juma Khamis Ahmed Al Amri Supervisor: Dr. Elrasheed Ismail Sultan	Information Technology	Dec 2014 – Dec 2015	On Processing	RO 3200	Bilingual Inexpensive Interactive Whiteboard

5. Faculty Journal Papers

SL NO	Staff Name	Research name	Field	Period	Published researches (scientific journals name / country)	Title of the Research
1.	Dr.Reshmy Krishnan	Journal	Semantic Web	2005	ASIAN JOURNAL OF INFORMATION TECHNOLOGY, vol.4, no: 12, pp 1158-1168	Semantic retrieval of heterogeneous data.
		Journal	Ontology	2005	ASIAN JOURNAL OF	Automatic ontology generation for

				INFORMATION TECHNOLOGY, vol.4, no:12, pp 1186-1193	semantic search system using data mining techniques
	Journal	DataBase		INFORMATION TECHNOLOGY JOURNAL, ISSN 1812-5638, pp 314-321	Automatic incremental view maintenance in schema SQL
	Journal	DataBase	March	WSEAS transactions of Information Science and Applications. Issue 3, vol 3, ISSN 1790-0832,pp 651-655	Implementation of frequent sub graph discovery
	Journal	Semantic Web	October 2006	International Arab Journal of Information Technology (IAJIT), Vol.3, No.4	Intelligent semantic based Web search system using advanced ranking algorithm
	Journal	Ontology	December 2011	International Journal of Research and Reviews in Artificial Intelligence(IJRRAI),ISS N-2046-5122,Vol1,No.4, pp 97-101	Development Phases of Ontology for an Intelligent Search System for Oman National Transport Company
	Journal	Ontology	Dec 2011	International Journal Of Data mining and Emerging Technologies"-Print ISSN-2249-3212.Online:2249-3220,Volume 1,Issue 2,pp 85-90	Information retrieval in content based E-learning by developing Ontology- published in
	Journal	Ontology	January-April (2012)	International Journal of Computer Engineering & Technology (IJCET), Volume 3 Issue 1 pp 154-162.ISSN 0976-6375.	Development of Seafood Ontology for Semantically Enhanced Information Retrieval
	Journal	Ontology	March 2012	International Journal of Advanced Research in Computer Science and Software Engineering, Volume 2, Issue 3, ISSN: 2277 128X.	Knowledge Sharing using Ontology- A Date Palm Model

		Journal	Ontology	April 2012	Neural Information Processing, Springer Lecture Notes in Computer Science, Volume 7663, pp. 524-532, Thomson ISI indexed.	Retrieval of Semantic Concepts Based on Analysis of Texts for Automatic Construction of Ontology
		Journal	Ontology	May 2012	International Journal of Computer Science Issues – IJCSI, Vol. 9, Issue 3, No 1, pp. 345-351. ISSN (Online): 1694-0814.	Effective Enabling of Sharing and Reuse of Knowledge On Semantic Web by Ontology in Date Fruit Model
		Journal	Ontology	October 2012	International Journal of Computer Applications(IJCA)(0975-8887),Volume 56,No.5	An Ontology in Project Management Knowledge Domain
		Journal	Seafood quality assurance	July 2012	International Journal of Artificial Intelligence and Knowledge Discovery, in Vol.2, No.3, pp. 6-10, ISSN: 2231-2021 e-ISSN: 2231-0312	Knowledge - Base Driven Framework for Assuring the Quality of Marine Seafood Export
		Journal	Ontology	September 2013	International Journal on Biomedicine and Healthcare, Volume 1 (2013), Issue 1. ISSN 1805-8698	Risk Assessment Prediction of Hypertension and its Associated Diseases – An Ontology Driven Model
		Journal	Ontology	June 2013	Lecture Notes in Computer Science Volume 7888, 2013, pp. 235-244	Conceptual Clustering of Documents for Automatic Ontology Generation, Advances in Brain Inspired Cognitive Systems
		Journal	Ontology	June 2013	International Journal of Information Processing and Management, Volume 4, Number 4, doi:10.4156/ijipm.vol4.issue4.5, SCOPUS indexed.	Ontology Based System Architecture to Predict the Risk of Hypertension in Related Diseases
		Journal	Ontology	September 2013	International Journal of Advancements in Computing Technology, IJACT,	Exhibiting Context Sensitive Behavior in Gathering Patient Medical History in Diabetes Domain using Ontology

					Volume5, Number13, pp. 41-47, SCOPUS Indexed. ISSN : 2005-8039 (Print) ISSN : 2233-9337 (Online)	
		Journal	Ontology	January 2014	Lecture Notes in Electrical Engineering, Volume 285, 2014, pp 453-460	Adaptive Questionnaire Ontology in Gathering Patient Medical History in Diabetes Domain
		Journal	Seafood quality assurance	Jan 2014	Journal of Convergence Information Technology	Development of Ontology for Seafood Quality Assurance System
		Journal	Ontology	Feb 2014	Journal of Theoretical and Applied Information Technology	PATTERN REPRESENTATION MODEL FOR N-ARY RELATIONS IN ONTOLOGY
		Journal	Ontology	October 2014	Canadian Journal of Pure and Applied Sciences	Ontology Driven Analysis and Prediction of Patient Risk in Diabetes
2.	Dr.Menila James	Journal	Image Processing	May 2010	International Journal of Computer Science and Network Security, IJCSNS, Vol. 12 No.05, No. 5	Face Recognition in compressed domain by applying Canonical Correlation Analysis based feature vector optimization and Neural Network matching
		Journal	Image Processing	October 2010	Journal of Applied Sciences (Indexed in Thomson Reuters Master Journal List, 2011 SJR 0.038)	Face Recognition in compressed domain by applying Wavelet Transform and feature vector optimization
		Journal	Image Processing	April/May 2011	Global Journal of Computer Science and Technology – GJCST, Volume 11 Issue 10 Version 1.0 EuroJournals Publishing Inc.2010	Face Recognition in compressed domain based on wavelet transform and kd-tree matching
		Journal	Image Processing	February 2012	International Journal of Computer Applications, Vol 37	Human Face Recognition in wavelet compressed domain using Canonical Correlation Analysis
		Article	Quality Assurance	November 2013	Oman Quality Network for Higher Education Annual Newsletter Issue 3	Improving quality of teaching by sharing the good practices with the peers

3.	Mr. Gamal Abdel Nassir	Journal	Security	June 2011	Modern Applied Science	Multi-Objectives Model to process Security Risk Assessment Based on AHP-PSO, Vol. 5, No. 3; - ISSN 1913-1844 E-ISSN 1913-1852.
		Journal	Neural Network	January-February 2013	International Journal in Computer Technology and Applications: IJCTA- Volume 4 Issue 1/ Page-2.	Mobile Ad-hoc Networks Locations Prediction by using Artificial Neural Networks: Considerations and Future Directions
		Journal	Security	February 2013	IJSRP Volume 3 Issue 2 edition.	Enhancement of Dynamic Risk Assessment Model for Telecommunication infrastructure
		Journal	Security	March 2013	International Multidisciplinary e-Journal (IMEJ)- vol-II, Issue-III	Using a Dynamic Risk Assessment Model (DRAM) to Secure Networks and Telecommunications
4.	Dr. Sarachandra n Nair	Journal	E-Learning	March 2012	International Journal, IJCSI, volume 9, Issue 2, (ISSN: 1694-0814)	A Study on the Impact of Learning Management Systems on Students of a University College in Sultanate of Oman
		Journal	E-Learning	October 2012	International Journal, IJAECE, volume 1, Issue 7, (ISSN: 2278-1412)	Evaluation of e-Learning: A Comparative Study between a Private College in Oman and an Affiliated University in UK
		Journal	E-Learning	October 2012	International Journal, IJARCSSE, volume 2, Issue 10, (ISSN: 2277-128X)	Cloud Computing: An Emerging Technology In The Sultanate of Oman
5.	Dr.Elrasheed Ismail Sultan	Journal	Data Base	April 2011	Journal of Computer Science, Vol. 7, No. 9, pp. 1338–1342, [The SCImago IMPACT FACTOR 0.523	Handling Fragmented Database Replication through Binary Vote Assignment Grid Quorum
			Security	April 2011	International Journal Modern Applied Science, Vol. 5, No. 3	Multi-Objectives Model to process Security Risk Assessment Based on AHP-PSO
		Journal	Cloud Computing	June 2011	Communications in Computer and Information Science, Springer Verlag, Vol. 194, pp. 243–254.	Cloud Computing: Comparison of Various Features. In E. Ariwa and E. Qawasmeh (Eds.): DEIS 2011.

		Journal	Cloud Computing	July 2011	Computer Science Journal	Cloud Computing: Analysis of Open Source Platforms Features
		Journal	Cloud Computing	August 2012	International Journal of E-Entrepreneurship and Innovation (IJEI), IGI Global, Vol 3, No. 2, pp. 52–60.	Cloud Computing Analysis of Various Platforms
		Journal	Security	April 2013	International Multidisciplinary Electronic Journal (IMEJ), ISSN 2277 – 4262.	Using a Dynamic Risk Assessment Model (DRAM) to Secure Networks and Telecommunications
		Journal	Computer Science	December 2014	IJCA Proceedings on Majan College International Conference	1. Optimized Load Balancing based Task Scheduling in Cloud Environment
						2. Security based Risk Management based on Multi-Objectives Model Using QPSO
						3. Large-Scale of Metabolic Network of Escherichia Coli using MATLAB
6.	Dr.Shermina	Journal	Image Processing	August 2010	American Journal Scientific Research, ISSN 1450-223X Issue 11, EuroJournals Publishing	An efficient Face Recognition system based on the fusion of MPCA and LPP
		Journal	Image Processing	August 2010	International Journal of Computer Science and Information Security,(IJCSIS), Vol. 8, No. 5	Comparison of Face Recognition Approach through MPCA Plus LDA and MPCA Plus LPP
		Journal	Image Processing	September 2010	International Journal of Advanced Computer Science and Applications,(IJACSA), Vol. 1, No. 3	Application of Locality Preserving Projections in Face Recognition Approach
		Journal	Image Processing	October 2010	International Journal of Computer Science and Network Security, Vol.10 No.10, (IJCSNS)	Impact of Locally Linear Regression and Fisher Linear Discriminant Analysis in Pose Invariant Face Recognition
		Journal	Image Processing	November 2011	European Journal of Scientific Research, (EJSR) Vol.64 No.2	An Efficient Face Recognition System Based On the Hybridization of Invariant Pose and Illumination Process
		Journal	Computer Science	December 2014	IJCA Proceedings on Majan College	1. An Innovative Web Based Uno Card Game

					International Conference	2. Cloned Screen Application
7.	Ms.Praseeda Manoj	Journal	Data Analytics	January 2013	International Journal of Electronics and Computer Science Engineering, (IJECSE) Volume 2, Number 1, ISSN NO : 2277-1956.	Analysis of Grid Based Distributed Data Mining System for Service Oriented Frameworks
		Journal	Data Base	January 2013	The International Journal of Computer Science & Applications (TIJCSA).	ERP Implementation - Different phases and related issues
		Journal	Data Base	February 2013	International Journal of Computer Science, Information Technology & security, (IJSITS), Volume3, No1	Advanced database management System: Review of Transaction Management in Distributed Database.
		Journal	Data Base	February 2013	International Journal of Advanced Research in Computer Science and Software Engineering (IJARCSSE), Volume 3, Number 2, 2277 128X	Emerging Database Models and Related Technologies.
8.	Ms.Smitha Nayak	Journal	Cloud Computing	January 30, 2012-	International Journal of Computer Science and Network Security-Vol.12, No.1.	Cloud Computing As an Emerging Paradigm
		Journal	Security	February 29, 2012	International Journal of Computer Science and Network Security-Vol.12, No.2.	Cybercrime: A threat to Network Security
		Journal	Data Mining	February-March 2012	International Journal of Computer Science & Communication Networks- Vol.12, No.1.	Issues in Data Mining and Information Retrieval
		Journal	Network	September 30, 2012-	International Journal of Computer Science and Network SecurityVol.12, No.9.	Analysis of Different Features and the Application of Cisco's SecureX Architecture in Secure Environment
9.	Ms.Hameetha Begum	Journal	E-Learning	October 2012	International Journal of Advanced Research in Computer Science and Software Engineering, Volume 2, Issue 10, Page No :	Semantic Web to E-Learning Content

					58-66, ISSN: 2277 128X	
		Journal	E-Learning	January 2013	International Journal of Advanced Research in Computer Science and Software Engineering, Volume 3, Issue 01 Page No : 270-278, ISSN: 2277 128X	Security in Cloud based E-Learning,
		Journal	Data Mining	February 2013	International Journal of Emerging Research in Management & Technology, Volume 2, Issue 02 Page No : 06-12, ISSN: 2278-9359	Data Mining Tools and Trends – An Overview
		Journal	E-Learning	February 2013	International Journal of Engineering Research and Technology, Vol. 2, Issue 02, Page No : 1-6, ISSN: 2278-0181	An Ontology Approach to represent User Profiles in E-Learning
		Journal	Computer Science	December 2014	IJCA Proceedings on Majan College International Conference	Health InSys (Health Inspection System)
10.	T.Sheeba	Journal	E-Learning	November 2011	International Journal of Data Mining and Emerging Technologies (IJDMET), Volume 1, Issue 2, Page No: 85-90, Print ISSN:2249-3212, Online ISSN: 2249-3220.	Information Retrieval in Content Based e-Learning Using the Construction of Ontology
		Journal	Biometrics	August 2012	International Journal of Computer Applications, Volume 51 – No.5, Page No: 55-60, ISSN: 0975 – 8887.	Survey of Multimodal Biometric Authentication Combining Fingerprint and Finger vein
		Journal	Ontology	October 2012	International Journal of Computer Applications, Volume 56 – No.5, Page No: 1-7, ISSN: 0975 – 8887.	An Ontology in Project Management Knowledge Domain

		Journal	E-Learning	October 2012	International Journal of Advanced Research in Computer Science and Software Engineering (IJARCSSE), Volume 2, Issue 10, Page No: 58 - 66, ISSN: 2277 128X.	Semantic Web to E-Learning Content
		Journal	E-Learning	January 2013	International Journal of Advanced Research in Computer Science and Software Engineering (IJARCSSE), Volume 3, Issue 01, Page No : 270-278, ISSN: 2277 128X.	Security in Cloud based E-Learning
		Journal	E-Learning	February 2013	International Journal of Engineering Research and Technology, Vol. 2, Issue 02, Page No : 1-6 , ISSN: 2278-0181.	An Ontology Approach to represent User Profiles in E-Learning
		Journal	Computer Science	December 2014	IJCA Proceedings on Majan College International Conference	Location based alarm Using Mobile Device
11.	Ms.Janaki SivaKumar	Journal	Security	January,2013	IJCSNS ,Volume No: 13	Intent Based Security Challenges in Android-An Analysis & Recommendation
		Journal	Image Processing	February-March 2013,	IJITR, Volume No. 1, Issue No. 2, 001 – 005 ISSN No: 2320-5	Multi Variant Analysis and validation study on Mastoid Triangle Process for Gender Identification
		Journal	Image Processing	October 2013	International Journal of Engineering And Computer Science,Volume 2. Issue 10 Page No. 3075-3080	Automatic Land Marking on Lateral Cephalogram Using Single Fixed View Appearance Model for Gender Identification
		Journal	Security	November 2013	IJARCCCE, Volume / Issue/ Page No: 638, Vol. 1, Issue 9,ISSN No: 2278-1021	Designing a Security Network for the Information Technology Risk Management
12.	Ms.Madhuri Joseph	Journal	E-Governance	January 2013	International Journal of Computer Applications 61(12):16-21	Application of Knowledge Management in E-Governance: A Case Study on Internet based Data Base Management System from

						India
		Journal	Data Mining	February 2013	IJARCSSE, Volume 3, Issue 2. ISSN: 2277 128X	Data Mining: A Comparative Study on Various Techniques and Methods
		Journal	Data Mining	March 2013	IJEAT, Volume 2, Issue 3, ISSN: 2249 – 8958	Data Mining and Business Intelligence Applications in Telecommunication Industry
		Journal	Data Mining	March 2013.	IJSCE, Volume 3, Issue 1, ISSN: 2231-2307	Significance of Data Warehousing and Data Mining in Business Applications
13.	Mr.Saravanan	Journal	Image Processing	September 2008.	International Journal of Soft Computing 3(5), Volume 3, Issue 5, 390 – 396, 2008, ISSN18603 – 9503, Medwell Journals	A new Technique on Neural Cryptography with Securing of Electronic Medical Records in Telemedicine System
		Journal	Security	January 2013	International Journal of Computer Science and Network Security, VOL.13 No.1, 46- 50.	Intent Based Security Challenges in Android-An Analysis & Recommendation
		Journal	Image Processing	February – March 2013	INTERNATIONAL JOURNAL OF INNOVATIVE TECHNOLOGY AND RESEARCH”, Vol-1, Issue-2.	An Optimal Noise Removal Approach for Lateral Skull Images
14.	Ms.Vanaja Rajan	Journal	Data Mining	February 2013	IJARCSSE Volume 3, Issue 2, -ISSN: 2277 128X	Data Mining: A Comparative Study on Various Techniques and Methods

6. Faculty Conference Proceeding Papers/presentations

SL NO	Staff Name	Activity	Organizer	Implementation period	Title of the Research
1.	Dr.Reshmy Krishnan	INTERNATIONAL CONFERENCE ON INFORMATION SCIENCE TECHNOLOGY AND MANAGEMENT	-	June, 2005	The Role of XML and RDF in meta modeling
		RTST INTERNATIONAL CONFERENCE	LEBANON	December, 2005	Semantic based search for interactive digital maps using ontologies
		RTST INTERNATIONAL CONFERENCE		July, 2005	Infrastructure and automatic identification of versions of ontology in semantic web
		INTERNATIONALCAL	COCHIN,KER	February,	Applying data mining techniques for the

		IBER2005	ALA,INDIA	2005	creation of web intelligent searching system using automatic ontology creation
		THE SECOND WORLD ENFORMATICA CONGRESS	-	June, 2005	E-modeling legacy data warehousing (DWH) applications applying XML artifacts
		The 2nd International Conference on Applied Information	-	-	Automatic Ontology Generation of Patient Semantic Profile in Diabetes Mellitus Decision Support Framework
		INTERNATIONAL ACM CONFERENCE ON ADVANCED COMPUTING	-	February, 2008	The Role of XML and RDF In Semantic web
		IEEE sponsored International Conference on Trends in Information Technology and Applications (ICTITA)	Ajman, UAE	December, 2010	Challenges in ensuring Interoperability in Web Services
		Fourth International Conference in Information Systems & Grid Technologies (ISGT)	Sofia, Bulgaria	May, 2010	Language Compatibility Issues In Multi-Party Web Services
		INTERNATIONAL CONFERENCE ON ANALYSIS AND APPLICATIONS		January, 2010	Analysis in Data Warehousing using mathematical Functions
		Fourth International Conference in Information Systems & Grid Technologies (ISGT)		May,2010	Language Compatibility Issues In Multi-Party Web Services
		FIRST INTERNATIONAL CONFERENCE	OSET' Muscat	December, 2010	The Feasibility of M-learning in Higher Education in Middle East
		3rd World Conferences in Educational Sciences	Bahcesehir University, Istanbul, Turkey	Feb, 2011	Towards pervasive learning: The vision of 21st century
		International Conference on Communication, Computing &	NIT Rourkela, India	Feb, 2011	Enhancing the learning experience in blended learning systems – a semantic approach

		Security (ICCCS 2011)			
		International Conference on Annual Middle Eastern Simulation and Modelling	MESM'2011, Amman, Jordan.	November, 2011	Smart search: an intelligent search system for the Oman national transport company using web ontology language
		International Conference on Knowledge Management & Resource sharing	Sultanate Of Oman	Dec, 2011	Ontology construction on content based E-learning-
		International Conference on Simulation and Artificial Intelligence in Computer Games	MESM'2012 – GAMEON-ARABIA'2012,	December, 2012	Concept Based Information Retrieval Using Semantic Analysis,
		IEEE SouthEast Conference	IEEE, Florida	April, 2013	Developing Survey Questionnaire Ontology for the Decision Support System in the Domain of Hypertension
		International Conference on Computer Medical Applications	ICCMA', Sousse, Tunisia.	January, 2013	Risk Assessment Prediction of Hypertension and its Associated Diseases – An Ontology Driven Model
		International Conference on Knowledge Engineering and Semantic Web	Kazan, Russia	29-Oct 1, 2014	Semantic Analysis and Prediction of Various Risks of Diabetic Patients
		Majan College International Conference (MIC'14)	Majan College	8th – 9th April 2014	Secured Cloud System Bus Tracking System
		International conference on Seafood Safety, Quality and Traceability Systems, ICSSQT	Muscat, Oman	March 3-5, 2014	Ontology Based Intelligent Software Model For Seafood Quality Assurance
		International Conference on Next Generation Computing and Communication Technologies	Dubai	April 23-24, 2014	Effective Risk Assessment in Diabetes Mellitus through Ontology Driven Patient Semantic Profile,
		The 2nd International Conference on Applied Information	-	April 2014	Automatic Ontology Generation of Patient Semantic Profile in Diabetes Mellitus Decision Support Framework

		International Conference on Knowledge Engineering and Semantic Web	Kazan, Russia	September 2014	Semantic Analysis and Prediction of Various Risks of Diabetic Patients
		International Conference on System on Chips	Coimbatore, India	March 2010	Impact of wavelet based compression in face recognition
		International Conference (ICOET-2013)	OSET, Muscat	March 2013	A study on the Challenges and Issues in Technology based learning faced by the Part-Time Students in Oman
		Oman Quality Network Annual Newsletter	Oman Quality Network	November 2013	Improving quality of teaching by sharing the good practices with the peers
3.	Mr.Gamal Abdul Nassi.r	NCON-PGR conference	University Malaysia Pahang, Malaysia	September 2012	Task Scheduling based on Quantum Particles Swarm Optimization Load Balancing in Cloud Environment
		IDC IT Security Roadshow 2013	IDC IT Security	May,2013	Information Security Risk Assessment (ISRA) in Small to Medium Enterprises (SME)
		International Conference (MIC'14)	Majan College	April, 2014	Security based Risk Management based on Multi-Objectives Model Using QPSO
		Majan College International Conference (MIC'14)	Majan College	8th – 9th April 2014	1. Security based Risk Management based on Multi-Objectives Model Using QPSO
4.	Dr.Sarachandaran Nair	First International Conference of the Omani Society for Educational Technology 2010	Omani Society for Educational Technology	December 2010	Effectiveness of Blended Learning in the Sultanate of Oman
		First International Conference of the Omani Society for Educational Technology 2010	Omani Society for Educational Technology	December 2010	The Feasibility of M-learning in Higher Education in Middle East
		The 2010 International Conference on Informatics, Cybernetics, and Computer Applications (ICICCA 2010)	-	July 2010	Cloud Computing Technologies: A Study on the Security Risk Precaution Taken by Organizations in the Sultanate of Oman
		Second International Conference on e-Education, e-Business, e-Management and e-Learning	IEEE	January 2011	Evaluation of e-Learning: A Study on Private University College in the Sultanate of Oman

5.	Dr.Elrashed Ismail Sultan	Second International Conference on Computer Research and Development ICCRD 2010	Malaysia	2010	Computerized Epilepsy Control by Prayer Type Yoga Exercise
		2nd International Conference on Applied Business and Economics, 2nd ICABE 2010	Sohar University Oman. Pages. 471-482	2010	Effective Knowledge Management System Architecture in Cloud Computing.
		2nd World Conference on Information Technology (WCIT 11)	Antalya, Turkey	2011	Cloud Computing: Analysis of Various Platforms Features.
		International Conference on Knowledge Management & Resource Sharing (ICKMARS 2011)	Malaysia	2011	Architecting Highly Available Knowledge Management System within Cloud Computing ICKMARS-2011, Malaysia, 2011
		International Conference on Software Engineering & Computer Systems ICSECS 2011	UMP, Malaysia,	2011	A Novel Design and development of Persistence Layers for Heterogeneous Synchronous Replication
		International Conference on Software Engineering & Computer Systems ICSECS 2011, UMP	Malaysia	2011	Cloud Computing Load Balancing and High data availability Replication Methods
		15th International Conference on Network-Based Information Systems.	Melbourne, Australia ISBN: 978-1-4673-2331-4	2012	Cloud Computing: Architecture for Efficient Provision of Services
		International Conference on Knowledge Management & Resource Sharing (ICKMARS 2012)	Malaysia	2012	Architecting Highly Available Knowledge Management System within Cloud Computing.
		National Conference for Postgraduate Research (NCON-PGR 2012)	-	2012	Task Scheduling based on Quantum Particles Swarm Optimization Load Balancing in Cloud Computing
		Majan College	Majan	8th – 9th	1. Optimized Load Balancing based Task

		International Conference (MIC'14)	College	April 2014	Scheduling in Cloud Environment
					2. Security based Risk Management based on Multi-Objectives Model Using QPSO
					3. Large-Scale of Metabolic Network of Escherichia Coli using MATLAB
					4. Cost effective Interactive Board Using Toolkit
6.	Dr.Shermina	National Conference on Emerging trends in communication and Networking (ETCN-10)	C.S.I Institute of Technology, Thovalai	April 10, 2010	Impact of Multilinear Principal Component Analysis in Face Recognition
		IEEE GCC Conference and Exhibition	Grand Hyatt Hotel, Dubai, United Arab Emirates	19-22 February, 2011	Face Recognition System using Multilinear Principal Component Analysis and Locality Preserving Projection
		International conference on Emerging Trends in Mathematics and Computer Applications(ICETM CA 2010)	Mepco Schlenk Engineering College, Sivakasi	December 16 – 18,2010	Hybrid Face Recognition system based on two appearance based approaches
		International Conference on Emerging Trends in Electrical and Computer Technologies(ICETE CT 2011)	St.Xavier's College of Engineering, Chunkankadai	on March 23-24, 2011	Illumination Invariant Face Recognition using Discrete Cosine Transform and Principal Component Analysis
		IEEE Student Conference on Research and Development(IEEE SCOReD 2011)	Putrajaya, Malaysia	19-20 December, 2011	Hybridization of Pose and Illumination Invariant Face Recognition
		International Conference (ICOET-2013)	Organized by OSET	Muscat, Oman, March 2013.	A study on the Challenges and Issues in Technology based learning faced by the Part-Time Students in Oman
		Majan College International Conference (MIC'14)	Majan College	8th – 9th April 2014	An Innovative Web Based Uno Card Cloned Screen Application

7.	Ms.Praseeda Manoj	International Multi Conference on Automation, Computing, Control, Communication and Compressed Sensing (iMac4s-2013), IEEE	St.Joseph College, Kottayam	March 2013	“Business Solutions using Mobile Technologies”
		Conference ICIC-2014	Bharathiyar University-Coimbatore-India	April 2014	Predictive Analytics in Cloud Computing
8.	Ms.Hameetha Begum	Second International Conference of Omani Society for Educational Technology (ICOET)	Muscat-Oman	March 26-27 2013.	A Study of Cloud Computing Services in Oman Higher Educatio”
		Majan College International Conference (MIC'14)	Majan College	8th – 9th April 2014	Health InSys (Health Inspection System)
9.	Ms.Sheeba	Knowledge Management and Resource Sharing (ICKMARS)	Waljat College of Applied Sciences	February 27-28, 2012.	Ontology Construction on E-Learning System
		MESM'2014- (Middle Eastern Simulation and Modelling Conference)	Arab Open University and European Simulation Society	February 3-5, 2014	LEARNING, UPDATING AND SEMANTIC FUZZY RETRIEVAL OF LEARNER PROFILE IN E-LEARNING ENVIRONMENT
		Majan College International Conference (MIC'14)	Majan College	8th – 9th April 2014	Location based alarm Using Mobile Device
10.	Ms.Janaki	International conference on Pattern Recognition, Informatic and Medical Engineering	PERIYAR UNIVERSITY, Salem, TN, India.	2012	Computed radiography skull image enhancement using Wiener filter
11.	Ms.Madhuri Joseph	International Conference on Knowledge Management and Resource Sharing (ICKMARS 2012)	Waljat College of Applied Sciences Muscat	February 2012.	Establishing Traceability in Agri-food export sector: An e-Governance case study on internet based data base management system in India

12.	Mr.Saravanan	International conference on Pattern Recognition, Informatic and Medical Engineering	PERIYAR UNIVERSITY, Salem, TN, India.	2012	COMPUTED RADIOGRAPHY SKULL IMAGE ENHANCEMENT USING WIENER FILTER
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7. Student Journal Papers

SL NO	Staff Name	Research name	Field	Period	Published researches(scien tific journals name / country)	Title of the project/research
1.	Khulood Ibrahim AwladThani	Journal	Computer Science	Decemeber 2014	IJCA Proceedings on Majan College International Conference	An Innovative Web Based Uno Card Game
2.	Khalid Salim Rashid Al-Risi	Journal	Computer Science	Decemeber 2014	IJCA Proceedings on Majan College International Conference	Cloned Screen Application
3.	Halima Khamis Salim Al Kahhali	Journal	Computer Science	Decemeber 2014	IJCA Proceedings on Majan College International Conference	Health InSys (Health Inspection System)
4.	Fatema Rashid Al-Jhawari	Journal	Computer Science	Decemeber 2014	IJCA Proceedings on Majan College International Conference	Location based alarm Using Mobile Device

8. Student Conference Papers

SL NO	Staff Name	Activity	Organizer	Implement ation period	Title of the project/research
1.	Asma Al-Qartoubi	Majan College International Conference (MIC'14)	Majan College	8th – 9th April 2014	Secured Cloud System
2.	Rahma Al Rubkhi	Majan College International Conference (MIC'14)	Majan College	8th – 9th April 2014	Bus Tracking System
3.	JumaKhamis Ahmed Al Amri	Majan College International Conference (MIC'14)	Majan College	8th – 9th April 2014	Cost effective Interactive Board Using Toolkit

4.	Khulood Ibrahim Awlad Thani	Majan College International Conference (MIC'14)	Majan College	8th – 9th April 2014	An Innovative Web Based Uno Card Game
5.	Khalid Salim Rashid Al-Risi	Majan College International Conference (MIC'14)	Majan College	8th – 9th April 2014	Cloned Screen Application
6.	Halima Khamis Salim Al Kahhali	Majan College International Conference (MIC'14)	Majan College	8th – 9th April 2014	Health InSys (Health Inspection System)
7.	Fatema Rashid Al-Jhawari	Majan College International Conference (MIC'14)	Majan College	8th – 9th April 2014	Location based alarm Using Mobile Device

9. Faculty Research Groups (names of faculty in a group, summary of the group research) Nil

10. Faculty Journal Editorial Activities

Dr.Reshmy Krishnan-Different International conferences (eg.iconstem2015, ICGPC 2014, ICTACC – 2015 etc..)

11. Editing of conference proceedings Nil

12. Faculty Journal Refereeing Activities

Dr.Reshmy Krishnan-Different International Journals (eg. Science Direct publication, International Arab journal of Information Technology)

13. Faculty Research Projects Refereeing Activities

Nil

14. Faculty Academic Program Refereeing Activities

Sl.No	Faculty name	Type of programme	Date	Type of activity
1.	Dr.Reshmy Krishnan	Diploma-MOHE(Oman)	01/01/2012	Reviewing programme
		Bachelor MOHE(Oman)	01/09/2013	Reviewing programme
		Bachelor MOHE(Oman)	01/02/2015	Reviewing programme

15. Faculty Conference Organization

Sl.No	Name of the Staff	Name of the Conference	Chairing of technical sessions	Period
1	Dr.Reshmy Krishnan	OSET 2010	Session chair	2010
		Majan Conference 2014	Session chair	2014

16. Other Research/Scholarly Related Activities

- Sabbatical Leave:

1. Staff Name: Mr.Gamal Abdul Nasser

Period Applied: September 2013 – November 2013

2. Staff Name: Ms.Janaki

Period Applied: December 2014 – March 2015

- **PhD Supervision:**

Dr.Reshmy Krishnan: Currently guiding four Ph.D students.

- **Consultancy:**

Nil

- **Award:**

Sl.No	Name of the Staff	Name of Award	Year
1	Dr.Reshmy Krishnan	National research award Oman 2014. (by Research Council(TRC) and The world Academy of Science(TWAS))	2014

Department of Built Environment Engineering

1. Active Faculty Research Areas (only highlighted titles)

Sl. No.	Name of Faculty	Topic of Research
1.	Mrs. Ayisha Powmya	Green Construction in Oman
2.	Mr. Shalin Prince	Concrete Technology

2. Faculty Journal Papers

1. Nazirah Zainul Abidin and Ayisha Powmya, 2014. "Perceptions on Motivating Factors and Future Prospects of Green Construction in Oman". Journal of Sustainable Development, Vol. 7, No. 5, pp. 231-239. <http://dx.doi.org/10.5539/jsd.v7n5p231>
2. Ayisha Powmya and Nazirah Zainul Abidin, 2014. "The Challenges of Green Construction in Oman". International Journal of Sustainable Construction Engineering & Technology, Vol. 5, No.1, pp. 33-41.
3. Nazirah Zainul Abidin and Ayisha Powmya, 2014. "Drivers for Green Construction in Oman and its Future Prospects". Middle-East journal of Scientific Research, 21 (6), pp.929-935.
4. Thavasumony D, Shalin Prince N.R, Ragin T, Sheeba D, 2015. "Analysis of concrete by adding cement with crushed fluorescent lamp powder". International Journal of Engineering Trends & Technology, Vol. 19, No.2, pp. 72-77.

3. Faculty Conference Proceeding Papers/presentations

1. Zainul Abidin, N. and A. Powmya, 2013. "Green Construction in Oman: Progress and Implementation Barriers", In the Proceedings of the 2013 Sustainable Building Conference, Dubai, UAE, 8-10 Dec

The Language Centre

1. Introduction

Lecturers in the Language Centre (LC) are encouraged to conduct research into second language acquisition (SLA) and teaching to further their overall understanding of learning and teaching English as a Second Language (ESL) and teaching English as a Foreign (EFL) language in classrooms.

Lecturers in the LC have made progress in gaining a better understanding of the processes involved in learning a second/foreign language, as well as the different external factors which affect these processes. This has been done through the delivery of in-house workshops as well as external ESL/EFL workshops, seminars and conferences.

Lecturers are also encouraged to conduct action research to help them understand what is happening in their classroom and identify changes that improve teaching and learning.

It is expected that, as lecturers conduct research into second language acquisition as well as action research, they take charge of their personal professional development and better understand what makes for effective classroom teaching as they become better informed and reflect on their actions.

2. Active Areas of Research (only highlighted titles)

1. Motivation in EFL learners
2. TBLT (Task-based Language Teaching)
3. Social media as language teaching and learning machine
4. Mother tongue as first language vs. foreign language as first language
5. Native speaker level or proficiency?
6. Cultural adaptation and foreign language acquisition
7. Reading comprehension strategies for English language learners
8. Flipped classrooms
9. Corrective Feedback in ESL / EFL Writing
10. Teaching spellings in EFL
11. Remedial education/teaching
12. Preparing handouts for mixed ability class.
13. Teaching grammar through stories, videos and songs

Faculty Journal Papers

1. The impact of socio-cultural and socio-psychological factors on EFL.
Currently under preparation
Prepared by Mercy Rani.
Published in the International Academy of Science Engineering and Technology-Tamil (IASSET),

April 2014

Faculty Conference Proceeding Papers/Presentations

1. Majan International EFL Conference
A Study of the Problems in Teaching-Learning Practices of English as a Foreign Language (EFL) in Mixed Ability Classrooms of the Foundation Programme in the Colleges of Muscat, Oman.
2. Higher College of Technology – First Professional Development Symposium
Engaging students through differentiated instruction.