



# Newsletter

Volume 4, Issue 1  
(July 2019 – December 2019)

**Computing and Informatics Department**

**MAZOOON COLLEGE**

(Affiliated to Missouri University of Science and Technology, USA and Purdue University Northwest, USA)

P.O. Box 101, P.C. 133

Muscat, Sultanate of Oman

Tel: 24313315 Fax: 24513364

[www.mazcol.edu.om](http://www.mazcol.edu.om)



**Dr. Khalfan Abdullah Al-Masruri**  
**Dean**

Mazoon College, founded in 1999, is one of the pioneering private higher education institutions in the Sultanate of Oman. Augmented with academic affiliation to Missouri University of Science and Technology (USA) and Purdue University Northwest (USA), academic cooperation with Banasthali University (India) to offer master's programs in Computer Science, MBA and MA in English Literature, Mazoon College endeavors vividly and steadily to achieve its mission and objectives through empowering the youth with quality education and advancing knowledge in a precise academic and knowledgeable environment.

From its elegant modern campus, in Airport Heights area in Muscat, Mazoon College has responded to the Omani labor market needs with a wide spectrum of academic programs in the fields of Business Administration, Economics, Accounting, Organizational Leadership, Entrepreneurship, Psychology, Computer Science, Information Science and Technology, Management Information Systems, Criminal Justice and English. Taking into consideration the dynamic requirements of the Omani labor market, Mazoon College awards these diplomas, bachelor and master's degrees in all the offered majors.

Backed by the up-to-date academic facilities and infrastructure, the experienced faculty and administrative staff of Mazoon College are diligently working and balancing the rigorous requirements of the academic excellence along with maintaining conducive and friendly university life to provide their students with quality education, knowledge and skills and orient them to be the entrepreneurs of their fields.

It is my utmost pleasure to welcome you to your second home, Mazoon College, and I hope that your journey of knowledge and skills acquisition is coupled with unforgettable moments of joy, happiness, and success shared with your collegemates.

## **About Mazoon College**

Mazoon College is a private academic institution that has operated under the supervision of the Ministry of Higher Education since 1999. It was established to provide Omani society with higher education in different fields.

The college gives high school graduates and employees in the Omani public and private sectors the chance to gain the educational skills and knowledge of 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.

From the time of its establishment, Mazoon College has made firm steps to continually develop and improve its services, and in monitoring its progress, so that we may be able to provide you the best educational system with the most qualified and dedicated academic and administrative staff at your disposal. Moreover, we hope to serve your interests more as per market demand by offering new fields of study and opportunities for professional advancement. We shall with utmost care continue to work towards excellence and bridging the gap between “who you are” and “who you can be” as future workforce in the Omani society.

## **Vision**

Mazoon College aims to be a leading higher educational institution that concentrates on Academic Excellence, High Quality Research and Community Services.

## **Mission**

The college strives to address the educational needs of its community through offering diverse programs and services assisting its students in meeting their educational needs and preparing graduates to be capable of making significant contributions to their fields of endeavor and society.

## College Objectives

1. To provide an outstanding higher education by supporting the existing programs in the College in accordance with international standards to meet and satisfy the needs of local and regional communities
2. To improve administrative systems and employees' services
3. To improve management policies to meet the standards of the up-to-date managerial systems
4. To serve the local communities by offering training programs and consultations
5. To expand e-learning principles
6. To implement the principles and standards of quality assurance of academic programs to meet institutional accreditation standards
7. To enhance students' patriotism, character, personal skills, loyalty and to encourage them to participate in decision-making
8. To develop students' cultural, social and sports activities
9. To support scientific research projects that tackle the various community needs
10. To build bridges of trust and partnership with local, Arab and international institutions
11. To consolidate leadership capabilities among staff by providing them with knowledge, information, incentives and helping them participate in making decisions

## Core Values

Mazoon College adheres to and fosters the following values through the activities and the practices by its staff and students:

- 1) Providing an environment which promotes teamwork, cooperation and mutual respect
- 2) Subscribing to ethical values such as integrity, accountability, transparency and professionalism
- 3) Communicating information effectively and efficiently to stakeholders
- 4) Enhancing students' abilities for critical thinking
- 5) Promoting innovation, creativity and leadership

## **Academic Affiliation**

Mazoon College is affiliated with Missouri University of Science & Technology, USA, one of the oldest and most prestigious universities in USA, well known for its science, technology and mining programs. It presents more than 55 majors in different fields, and is an internationally accredited university.

It presents high quality education to cope with the latest developments in various educational fields and has students from different parts of the world. Mazoon College students can join Missouri University for either an exchange program or advanced studies.

Furthermore, Mazoon College is affiliated with Purdue University (Northwest), USA, to offer three academic programs: Organization Leadership and Supervision, Entrepreneurship & Criminal Justice.

Moreover, in graduate studies Mazoon College established academic cooperation with Banasthali University in India (Which is one of the legacy universities in India, established in 1935) to offer three Master level programs: M. Tech (Computer Technology), MBA and M.A (English Literature).

## **EDITORIAL DESK**

Warm greetings to all the readers! The editorial committee is very happy to come out with the half-yearly issue of newsletter. We take this opportunity to thank the Management, Dean and other contributors to this newsletter for their continuous support.

The Computing and Informatics Department, Mazoon College is proud to release its fourth volume of this newsletter. During this period, the faculty and students of Computing and Informatics had great opportunity to publish their research papers in various journals.

The last 6 months also witnessed various other activities that would build the image of the Department which include Guest Lectures, Industrial Visits, Seminars, Workshops and active participation by the students in extra-curricular and co-curricular activities.

A lot more interesting events are in queue and we believe that the continued efforts will take Mazoon College one step further towards achieving excellence.

### **EDITOR**

**Dr. A. MOHAMED ABBAS**

### **CO-EDITOR**

**Dr. M. S. SALEEM BASHA**

## STUDENT ACHIEVEMENT

### International Journal Publication

Mr. Abdul Khaliq Ali Mohammed Al Shukaili and Dr. Mohammed Daiyan, "Sentiment Analyze For Shura Council Members", "International Journal of Innovative Technology and Exploring Engineering (IJITEE)", Vol. 9, No. 2, Page No. 1352-1356, December 2019, ISSN: 2278-3075 (*Scopus Indexed*)

### Book Publication

Mr. Abdul Khaliq Ali Mohammed Al Shukaili and Dr. Mohammed Daiyan authored a book titled, "Data and text mining in social media for Shura council members", LAMBERT Academic Publishing, Published on 23/10/2019, June 2019, ISBN: 978-620-0-45717-2.



## FACULTY ACHIEVEMENT

### Funded Project

<b>Title of the Project</b>	Impact of Augmented Reality Assisted Language Learning on Students Academic Achievements at Tertiary Level in Sultanate of Oman.
<b>Funding Agency</b>	The Research Council, Sultanate of Oman
<b>Funding Amount</b>	OMR 5615.000
<b>Duration</b>	July 2019 – July 2020
<b>Principal Investigator</b>	Dr. M. S. Saleem Basha
<b>Co-principal Investigator</b>	Dr. A. Mohamed Abbas
<b>Co-investigators</b>	Dr. Khalfan Abdullah Al Masruri Dr. Said Hamed Rashed Al Saadi Dr. Rashid Hamed Alazri
<b>Members</b>	Ms. Gazala Yusufi Mr. Syed Adnan Raza



## WORKSHOPS AND SEMINARS ORGANIZED FOR STUDENTS

### Workshop on “An Influence of IT in Telecommunication”

Mr. Faisal Ali Saif Al Busaidi, Senior Manager, Revenue Assurance and Fraud Management, Omantel has delivered the presentation in workshop on “An Influence of IT in Telecommunication”. It was organized by the Computing and Informatics Department, Mazoon College and was held on 06/11/2019.



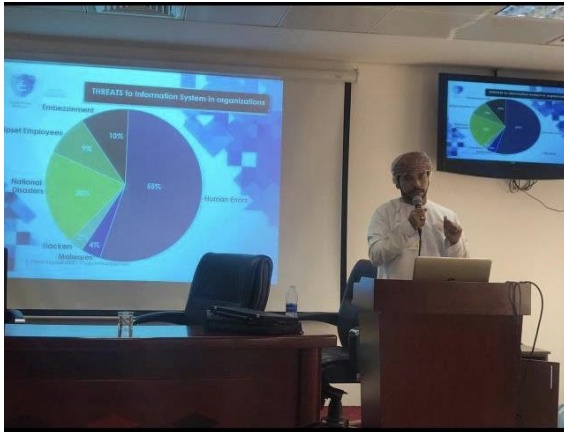
### Seminar on “Ethical Considerations in the Applications of AR”

Ms. Gazala Yusufi, Lecturer and Dr. M. S. Saleem Basha, Assistant Professor have delivered the presentation in seminar on “Ethical Considerations in the Applications of AR”. It was organized by the Computing and Informatics Department, Mazoon College and was held on 12/11/2019.



## Workshop on “Practical Implementations of Information Systems”

Mr. Khalid Al Amarni, Cyber Security Analyst, Oman CERT, Ministry of Technology and Communications has delivered the presentation in workshop on “Practical Implementations of Information Systems”. It was organized by the Computing and Informatics Department, Mazoon College and was held on 25/11/2019.



## Seminar on “Content Management Systems”

Mr. Kareemullah Shaik, Lecturer has delivered the presentation in seminar on “Content Management Systems”. It was organized by the Computing and Informatics Department, Mazoon College and was held on 08/12/2019.



### Student Visit

As part of the Professional Development Committee program in the Computing and Informatics Department, the committee arranged for an industrial visit to Ahli Bank-Data Centre. The visit was scheduled on the 04/12/2019. The visit targeted IT major students, who would most benefit from exposure to real life examples of data centers and how IT is managed in large corporations. Also, for the students to find inspiration that may guide their future career aspirations.

The visiting team was led by the Committee members, Mrs. Rowaidah Al Abdullah and Mr. Mohammed Arshad, and consisted of 19 students.

Mr. Ahmed Al Busaidi, senior application specialist and Mr. Yaqoub Amer, head of Infrastructure and Network Department have showed them how networks are setup in the bank and the types of servers used and how backups are done and managed as well as briefly explaining the security measures applied.



## IT CLUB

Mr. Ishaq Yaqoob Al Kharusi and Mr. Hitesh Sharma, Oman fibre Optics have delivered the presentation in “Fibre Optic Awareness Program”. It was organized by the IT Club and Computing and Informatics Department on 20/11/2019.



### Journal Publications

- Arshad Ahmad Khan Mohammad, **Abdul Muqtadir** and Anusha M, “*Efficient Intrusion Detection System to prevent the Packet Dropping nodes from Infrastructure Less Networks*”, International Journal of Recent Technology and Engineering, Vol. 8, No. 4, Page No. 3975-3978, November 2019, ISSN: 2277-3878 (Scopus Indexed)
- **Toukeer Khan**, “*On Non-invariant Hypersurfaces of a Nearly Kenmotsu Manifold*”, IOSR Journal of Mathematics (IOSR-JM), Vol. 15, No. 6, Page No. 30-34, November 2019, ISSN: 2278-5728 (Indexed in SAO/NASA Astrophysics Data System, American National Engineering Database, EBSCO, Google Scholar)
- **Md. Nasar** and Md. Abu Kausar, “*Suitability Of Influxdb Database For IoT Applications*”, International Journal of Innovative Technology and Exploring Engineering, Vol. 8, No. 10, Page No. 1850-1857, August 2019, ISSN: 2278-3075 (Scopus Indexed)
- Md. Abu Kausar and **Md.Nasar**, “*Analysis of SQL Injection Detection and Prevention Techniques in ASP.NET Web Application*”, International Journal of Recent Technology and Engineering, Vol. 8, No. 3, Page No. 7759-7766, September 2019, ISSN: 2277-3878 (Scopus Indexed)
- **Mohammad Arshad Md.** and Ali Hussain, “*A Reliable Intrusion Detection System in Wide Area Networks against the assault of DDOS*”, International Journal of Innovative Technology and Exploring Engineering, Vol. 8, No. 10, Page No. 1810-1817, August 2019, ISSN: 2278-3075 (Scopus Indexed)
- Mr. Abdul Khaliq Ali Mohammed Al Shukaili and **Dr. Mohammed Daiyan**, “*Sentiment Analyze For Shura Council Members*”, International Journal of Innovative Technology and Exploring Engineering (IJITEE), Vol. 9, No. 2, Page No. 1352-1356, December 2019, ISSN: 2278-3075 (Scopus Indexed)
- Md. Abu Kausar and **Md.Nasar**, “*SQL Versus NoSQL Databases to assess their appropriateness for Big Data Application*”, Recent Advances in Computer Science and Communications (Bentham Science Journal), ISSN 2666-2566 (Scopus Indexed) (Article In Press)

## Professional Development Activity

- Dr. A. Mohamed Abbas, Assistant Professor & Head-C & I Department has delivered the presentation in workshop on “Google Forms in Basil Level”. It was organized by the Human Resource Department and Computing and Informatics Department, Mazoon College and was held on 17/10/2019.



- Dr. A. Mohamed Abbas, Assistant Professor & Head-C & I Department has delivered the presentation in workshop on “Google Forms in Advanced Level”. It was organized by the Human Resource Department and Computing and Informatics Department, Mazoon College and was held on 07/11/2019.



- Dr. A. Mohamed Abbas, Assistant Professor & Head-C & I Department has delivered the presentation in Policy Awareness Program on “Assessment of Student Learning Policy”. It was organized by the Quality Assurance Department, Mazoon College and was held on 12/11/2019.



- Dr. Mohamed Abbas, Assistant Professor & Head-C & I Department has delivered the presentation in Policy Awareness Program on “Academic Integrity Policy”. It was organized by the Quality Assurance Department, Mazoon College and was held on 19/11/2019.



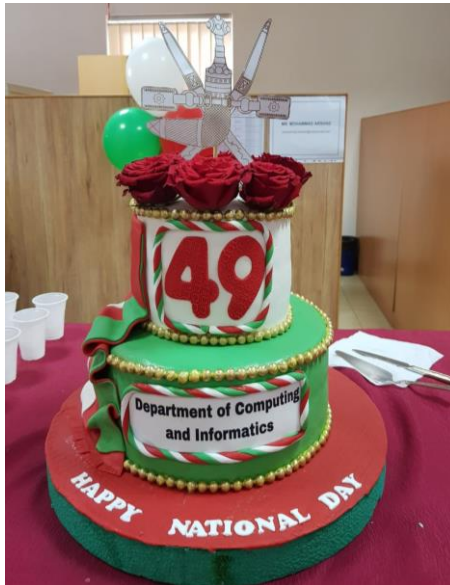
## Seminar / Workshop Participation in outside

- Mr. Nasser Al-Musalhi, Lecturer has participated in a Seminar on “Intellectual Property Policy in Technology Transfer Offices in Academic and Research Institutions”. It was organized by The Research Council, Oman and was held on 16/10/2019.
- Mr. Nasser Al-Musalhi, Lecturer and Mr. Mohammad Arshad, Lecturer have participated in a lecture on “Technology Transfer & Commercialization”. It was organized by EJAAD and Helmholtz Centre for Environmental Research (UFZ), Germany and was held on 23/10/2019.
- Dr. Mohammad Nasar, Assistant Professor has participated in “Oracle Academy Day in Oman”. It was organized by Higher College of Technology, Muscat Oman and was held on 21/11/2019.
- Mr. Abdullah Akhtar, Lecturer has participated in workshop on “Study and Analysis of Mathematical Models of Moving Boundary Problems”. It was organized by the Department of Mathematical Sciences, IIT BHU Varanasi, India and was held on 17/08/2019.
- Mr. Abdullah Akhtar, Lecturer has participated in workshop on “How to Write an Effective Manuscript”. It was organized by the Higher College of Technology, Muscat, Oman and was held on 11/11/2019.
- Dr. Mohammad Nasar, Assistant Professor has participated in Faculty Development Program on “Courseware creation using Moodle for Outcome based Education (Second run)”. It was organized by Integral University, Lucknow and was held from 15/11/2019 to 15/01/2020.
- Dr. A. Mohamed Abbas, Assistant Professor has participated in Faculty Development Program on “Courseware creation using Moodle for Outcome based Education (Second run)”. It was organized by Integral University, Lucknow and was held from 15/11/2019 to 15/01/2020.



### 49<sup>th</sup> National Day Celebration

The Computing and Informatics Department has celebrated the 49<sup>th</sup> National Day on 18/11/2019.



# COMPUTING AND INFORMATICS DEPARTMENT

## Degree and Major Offers:

- **Associate Degree Program**
  - Computer Science
  - Information Science Technology
  - Management Information Systems
  
- **Bachelor Degree Program**
  - Computer Science
  - Information Science Technology
  - Management Information Systems
  
- **Master Degree Program**
  - Master of Technology (M.Tech) in Computer Science

---

## MAZOOON COLLEGE

(Affiliated to Missouri University of Science and Technology, USA and Purdue University Northwest, USA)

Computing and Informatics Department  
Airport Heights - Seeb  
P.O. Box 101, P.C. 133  
Muscat, Sultanate of Oman

Tel: 24313337 Fax: 24513364

hodci@mazcol.edu.om  
www.mazcol.edu.om