



MACHS NEWSLETTER

VOL 3 ISSUE 4

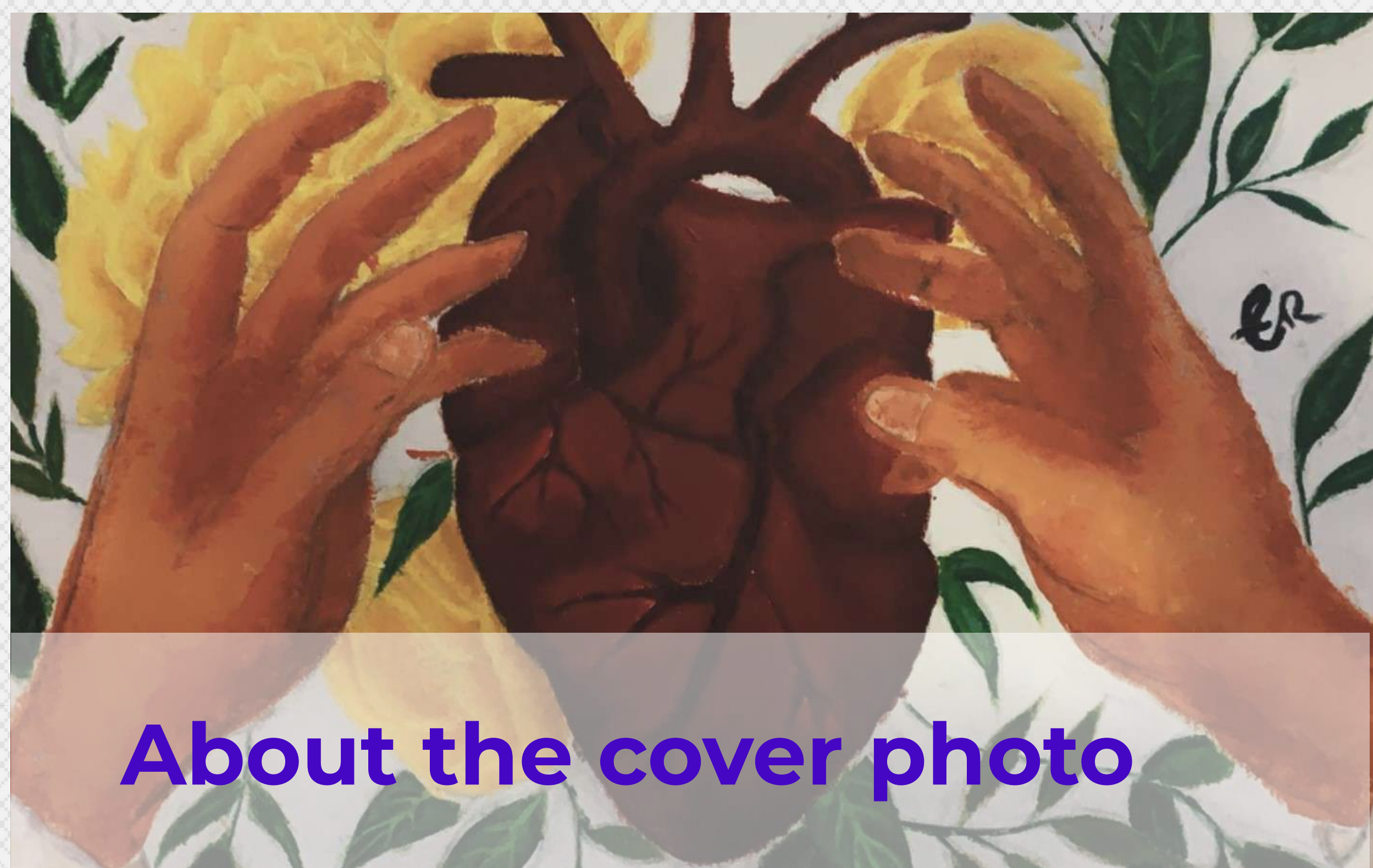
FEBRUARY 2021



What's inside...

- 02 NCAAAA Accreditation Updates
- 03 College News
- 04 Academic Department Reports
- 06 Student Affairs Bulletin
- 09 Human Resource Corner
- 12 Community Service
- 16 Research Publication
- 18 Non-academic Bulletin
- 19 Policy Updates (Dean's Honor List)

Artwork by: Esraa Alshallati (Nursing)



About the cover photo

MEDICAL ARTWORK
COMPETITION
FIRST PLACE WINNER

NCAAA Accreditation Updates

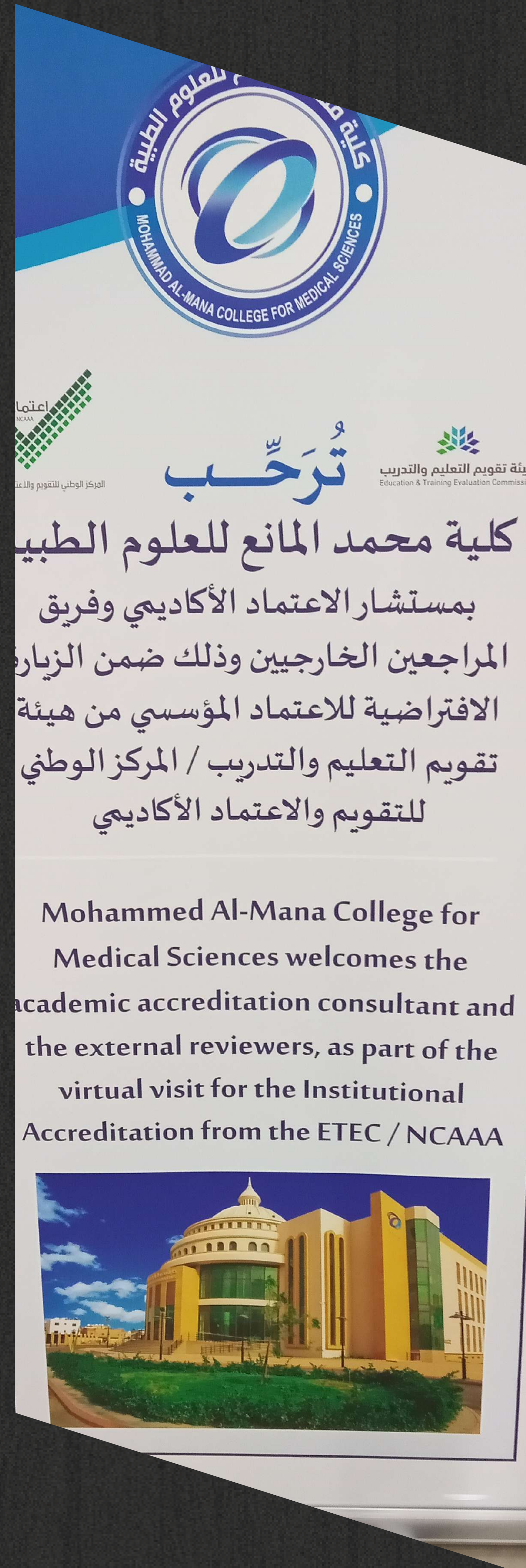
MACHS seeks NCAAA institutional accreditation ETEC/NCAAA holds 5-day virtual visit

For the past two years since the signing of agreement between Mohammed Al-Mana College for Medical Sciences and the Education and Training Evaluation Commission/National Commission for Academic Accreditation and Assessment, the former has been rigorously preparing towards its aim of becoming an accredited institution by the commission.

On the 30th of January-3rd of February, this year, MACHS has finally reached one of the concluding parts in the accreditation process, the assessment stage. Apparently, the current pandemic had opted the NCAAA to conduct a virtual assessment with a panel of experts and its consultant. The commission followed virtual accreditation site visit activities consistent with the on-site ones.

As a background, the NCAAA accreditation is only granted to the institution that provides advanced and excellent quality education with high standards in governance, teaching and learning, student support, human resource, facilities and infrastructures, research, and community service. It brings positive notions as it means upholding excellence and adherence to the standards set by the commission.

At the closing ceremony, the reviewers and the consultant had a general overview of their assessment which was discussed among MACHS administrators, faculty and staff. The initial report is expected to be out in weeks time. Regardless of the result is, the College remains true to what it has reported to the commission and has to keep innovating for continuous improvement. Once and for all, the vision of the institution is clear and that is to be a leading institute recognized for excellence in health-care education, community service and research.



College News

MACHS, SAIP conduct Patent workshop via webinar

by: Dr. Alaa Alhelaili



The Patent workshop was organized by Mohammed Al-Mana College for Medical Sciences in collaboration with the Saudi Authority for Intellectual Property (SAIP), January 27. It was conducted as a webinar using ZOOM with faculty and students as attendees.

The workshop's objectives focused on the intellectual properties in the Kingdom of Saudi Arabia, from history, protection, process, applicability, and liability. The workshop also introduced the attendees to SAIP services including the approaches for patent applications to becoming patent holders.

The workshop started with the introduction of the speaker by Dr. Alaa Alhelaili, head of Student Affairs. Mr. Al Ashqar, an expert from SAIP, served as the resource speaker of the event. He started by giving a historical overview of SAIP and the evolution of intellectual property ownership in the Kingdom. He then moved onto the current strategies and initiatives to support inventors and protect their properties, while detailing the specifics of treatments of different innovations. After that, the speaker took focus on intellectual property and the rights of the owner. Further on, he detailed the process of application in details (before, during, after). At the end of the workshop, a window for questions was set up, concluding the event.

Academic Department Reports

Physical therapy department conducts spine manual mobilization workshop

by: Dr. Fatimah Jaffar Al Shaikh

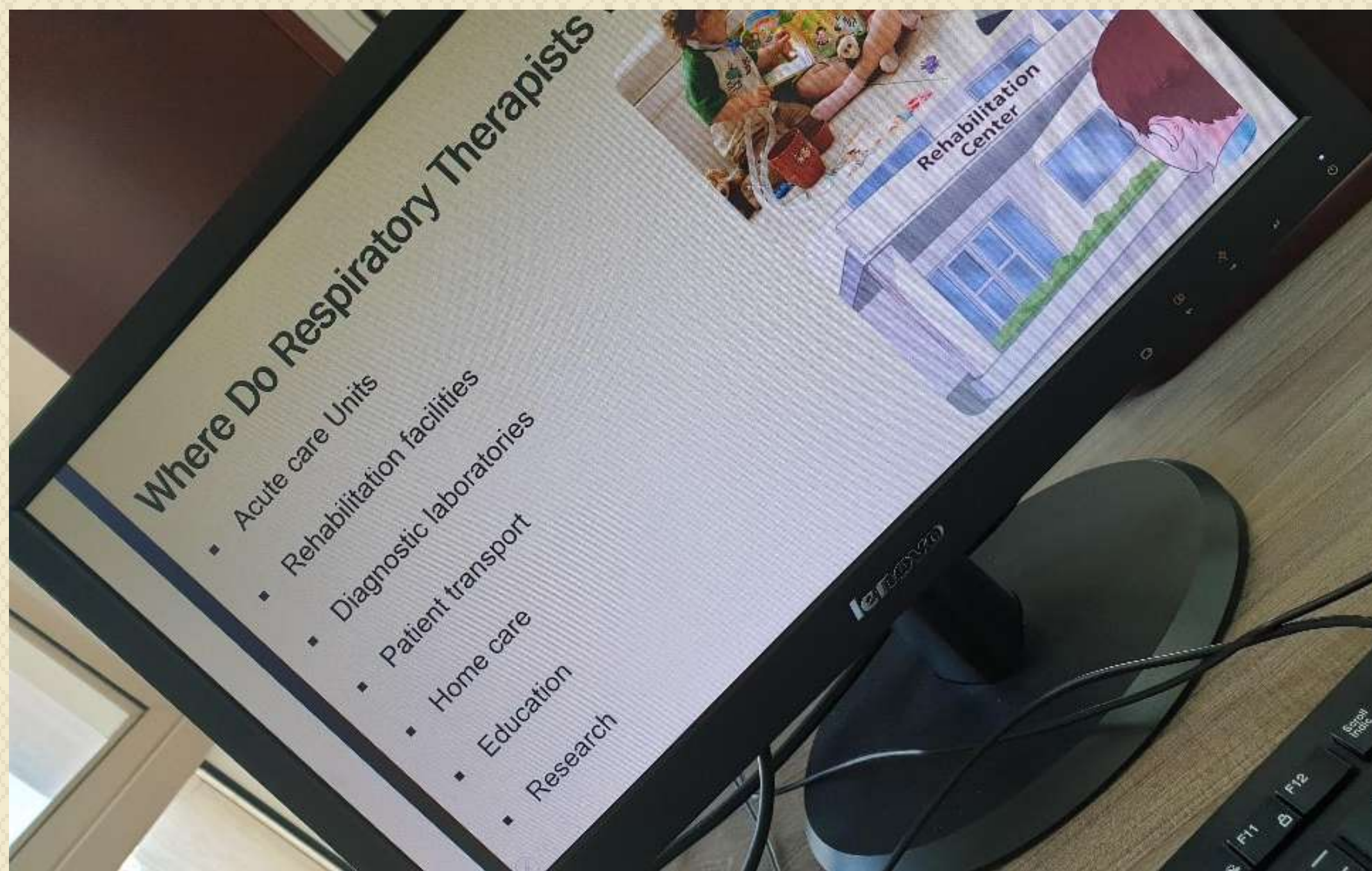


The Physical Therapy department recently organized a workshop training on the principles of spine manual mobilization & Soft tissue mobilization IASTM, January 28 at Physical Therapy laboratory, Pharmacy building.

Mr. Hussein Al khowaitem, a physiotherapist at King Khaled University Hospital in Riyadh gave his valuable insights about the topic. It was well attended by the faculty members and students in PT department following the strict infection protocol guidelines.

Respiratory Care dept holds Level 3 students orientation via Zoom

by: Ms. Hibbah Alshuwaikhat



The Academic Unit of Respiratory Care department organized an orientation program for the Level 3 Respiratory students at the School of Nursing premises February 9 from 10:00–12:00 online (Zoom). Ms.Hibbah Alshuwaikhat, HOD of the Respiratory program, welcomed the Level 3 Respiratory students and gave a brief information about the Respiratory Care major including duties and responsibilities of the respiratory therapist and places where the respiratory therapist can work. Mrs. Fatima Al Naweess, Chair of the Academic Advising Unit, gave a brief orientation about Respiratory curricula emphasizing the importance of prerequisites and co-requisites. Then, she also explained the degree audit, importance of academic calendar and communication pathway as well as course registration, add/ drop, Dean's Honor, on probation, off probation, withdrawal period, leave of absence etc. Later, Ms. Hibbah Alshuwaikhat explained the policies related to exams, grade appeal policies and students guidelines on examinations. On the other hand, Ms. Fatima Aldabil, explained the lab and clinical policy, the attendance and backup policies. meanwhile, Ms. Bashayer Alyami, mentioned the importance of community services since it is the mission of the college. Concluding the event, Mrs. Fatimah Alhaddad guided the students in filling out the orientation survey.

Academic Department News

Nursing dept welcomes Level 3 students with virtual orientation

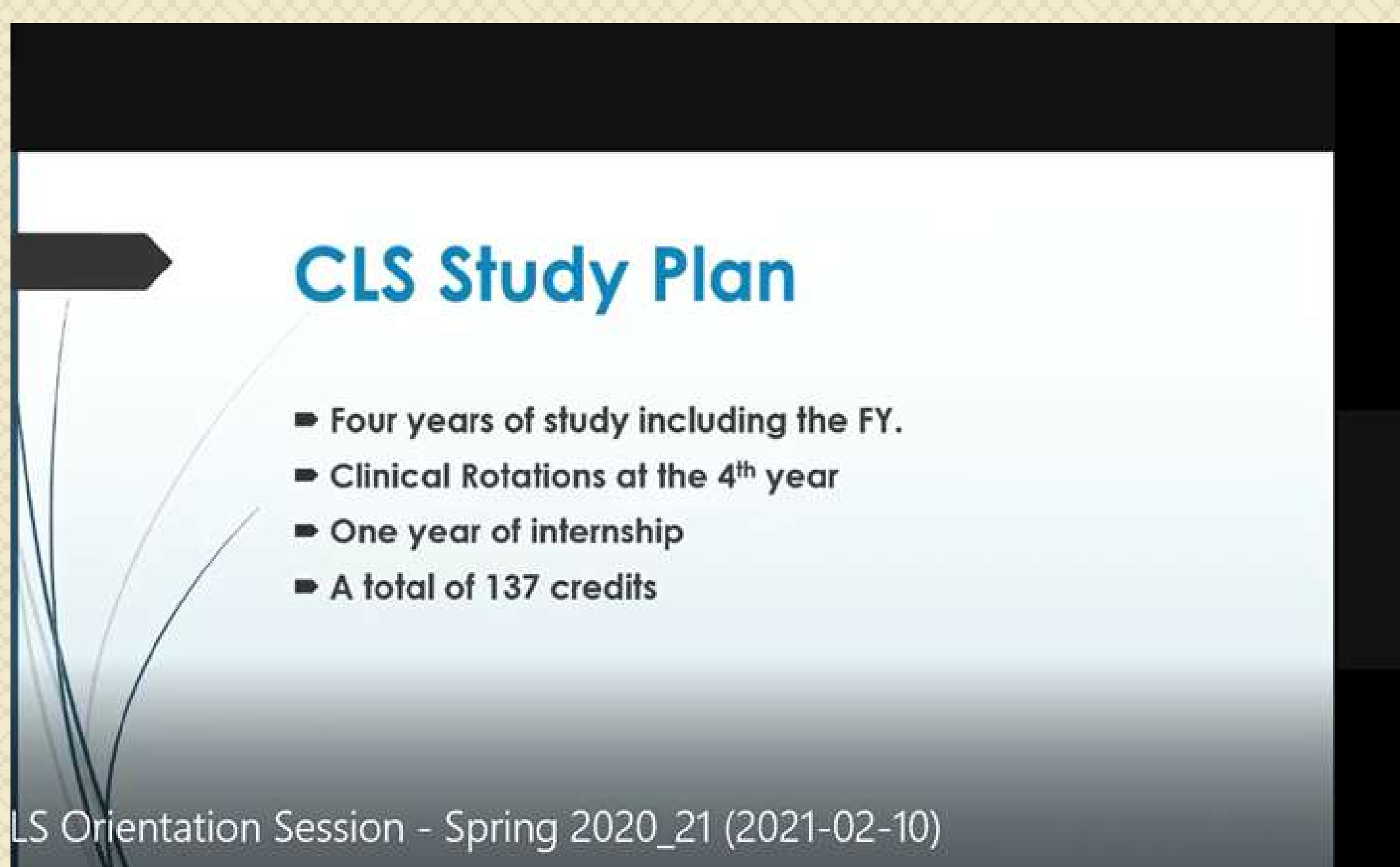
by: Mrs. Latha Kannan



The Academic Advising Unit of Nursing department headed by Mrs. Latha Kannan recently held its virtual orientation for Level 3 students, January 26. Mrs. Bernadette Casingal opened the virtual session followed by an inspirational and welcome message from the head of the department, Dr. Eman Hassan. Meanwhile, Mrs. Kannan expound on the various aspects of academic advising such as course registration, dean's honor, probation, among others. Ms. Hala Bazron explained the policies in Arabic. Also, exam policies were emphasized by Mrs. Gufran Lashit, head of the Exam Committee. Ms. Fatimah Awami, on the other hand briefed the students on the Lab and Clinical policy. It was Mrs. Suzy, chair of the Community Service Committee who stressed on the importance of community service participation. Finally, Ms. Fatimah Aldhufairi, one of the student members of the academic advising committee shared her experience to inspire students and motivate them. Below is the full program took place during the orientation:

CLS dept organizes virtual orientation for Level 3 students

by: Ms. Sarah Almoqawhi



The Clinical Laboratory Sciences headed by Dr. Yahya Al Dawood organized its online orientation among Level 3 students 4th of February, via google classroom. The activity was conducted aimed at welcoming and introducing level 3 students to the: mission and vision of CLS department , CLS curriculum , study plan of CLS department , CLS faculty members, department units and committees.

Student Affairs Bulletin



Student Affairs conducts Spring 2020–21 orientation

by: Mrs. Latha Kannan

The Student Affairs department recently organized the orientation for newly admitted students this Spring 2020–2021 held at Princess Masha'el Conference Hall, Admin building, January 13 and 14.

Orientation is a way to prepare for transitioning from a high school student to a college student. Orientation is a mandatory program for incoming college students, both transferee and freshman.

The academic life of new students at MACHS begins with their orientation to the place where they will spend a period of five or more years at. It introduces new students to the MACHS family, starting with the top administration, faculty and staff. They are also informed of the different specialties and services available at MACHS.

First Phase:

On Wednesday (13/1/2021) and Thursday (14/1/2021) at 12:00noon the first part of the orientation was started. This part covered the general orientation about the College. It started with opening words from the Dean, Vice Dean, HOD from different departments via virtual means.

Dr. Alaa Al Helaili, Student Affairs Director delivered a presentation with various scenarios and students were grouped to respond accordingly. The focus of this orientation were on: the advising process, the academic calendar and important dates to remember, student's rights and responsibilities, the grievance process, attendance policy, Dress Code policy and others. Students were enthusiastic and active in this part of the program.

Meanwhile, the Registrar introduced the students to all programs, registration process and financial aid.

At the end of the activity, a survey QR code was distributed to the students to evaluate the 4-hour orientation. The same program flow was carried out during the second day of the orientation.

Second Phase:

All newly admitted students were divided into two groups. First group's advisors met the students on Sunday (17/1/2021) at 9:00am at the Basement conference room in Pharmacy building. Meanwhile, the other group met their advisors at 12:00noon with the same sets of agenda.

Third Phase:

A campus tour was planned and carried out by the advisors for each student with the help of the advising unit members. Students were toured to the Nursing , Pharmacy and Administration buildings.





MACHS Got T★ALENT

The Student Affairs department announced Sunday, February 7 the much anticipated annual event dubbed as "MACHS Got Talent". It is an annual competition for MACHS students to raise the level of competition among themselves and promote their creativity, self-expression, and self-confidence. The event will be sponsored by the Foundation Year department with the following conditions and dates to remember:

Competition conditions:

1 Bonafide student

The student who is eligible to participate must be enrolled in the college.

2 Register

The student who shall participate must fill in the registration form. Registration can be done online via <https://forms.gle/cR5L6d2s2CbSCLgP8>.

Important dates:

07-02-2021 (Week 4-5)

Registration begins

21-02-2021 (Week 6)

Registration ends

23-02-2021 (Week 6)

Nomination of participants

25-02-2021 (Week 6)

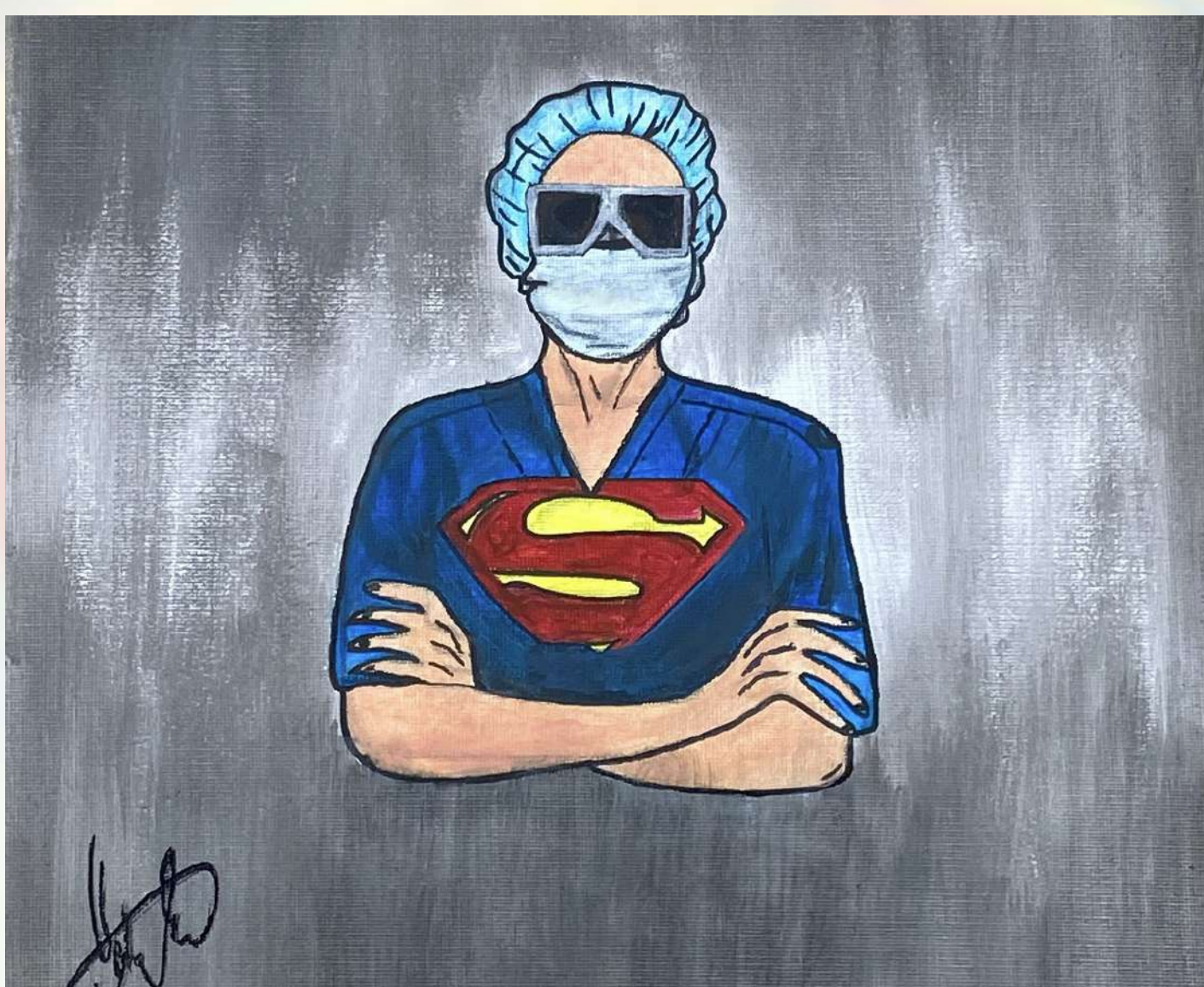
Announcement of winners





FALL 2020 MEDICAL ARTWORK CONTEST WINNERS

Congratulations!!!



Second
Place

Walif Ayman Alzahrani
(Respiratory Care)



First
Place

Esraa Alshallati
(Nursing)



Third
Place

Zahra Al Bazron
(Pharmacy)

Details retrieved from: Student Affairs Announcement

The Student Affairs announced Wednesday, February 10 the result of its Medical Artwork Competition which was launched during this fall semester AY 2020-2021.

Expert and recognized artists and photographers including Mahdih Al Talib and Samira Sulais were invited to critique the masterpieces of the participating students. After the deliberation, representative from Nursing department, Esraa Alshallati topped all entries. Walif Ayman Alzahrani of Respiratory Care, on the other hand, bagged the second place while Zahra Al Bazron of Pharmacy department got the third place award.

Meanwhile, some talented and photography enthusiast members of MACHS also showed support and contributed much in facilitating the activity such as Dr. Yahya Al Dawood, Ms. Arafat Aldar, Ms. Zainab Omar and Ms. Wadiyah Al Adnan.

Human Resource Corner

Professional Development

Medical terminology workshop series held

by: Mrs. Khadija Al Khalaf

The Human Resource Department, in collaboration with the Human Resource Professional Development Committee has recently organized a Medical terminology workshop series which took place *December 28-30 at Seminar room, Administration building.*

Mrs. Khadeja Alkhalaf, an English lecturer served as the resource person who tackled the basics of understanding medical terminologies. The 3-day workshop which run for about 2 hours each session was deliberately conducted aimed at achieving the following objectives:

1. Identify the basic structure of medical words, including prefixes, suffixes, roots, combining forms, and plurals.
2. Identify medical terminology as it relates to the anatomy and physiology of the human body.
3. Identify and understand various instruments utilized in a physical examination as well as common medical procedures and surgeries.

The workshop series began with the introduction about the basic structure of medical words, including prefixes, suffixes, roots, combining forms, and plurals. The second session on the other hand, featured medical terminology as it relates to the anatomy and physiology of the human body. On the third day, Mrs. Alkharaf explored on medical terminology as it relates to pathology.

The workshop was designed for the participants in order to relate them to the areas of medical science, hospital service and health related professions. The insights learned by the participants were valuable as they perform their specific duties and functions in the college. Needless to say, the knowledge gained is beneficial for whatever personal undertakings they may perform in the future.



Human Resource Corner

New Employee Announcement

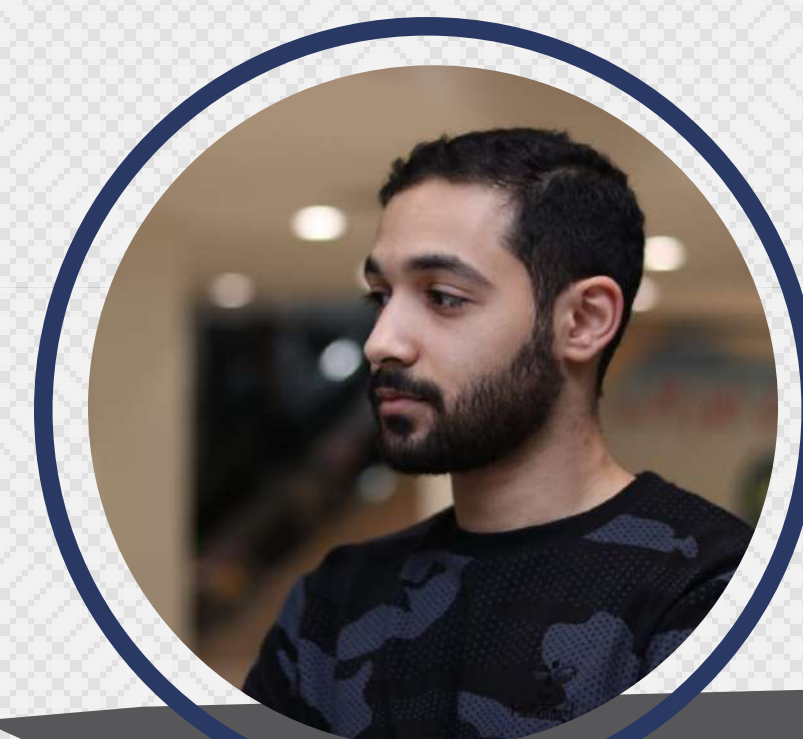


Name: Mr. Farooq Khurmy
Degree: Bachelor of Science
Specialty: Physical Therapy
University: Applied Medical Science
College, Jazan Univ.
Position: PT Lab Instructor
Email: f.khurmy@machs.edu.sa

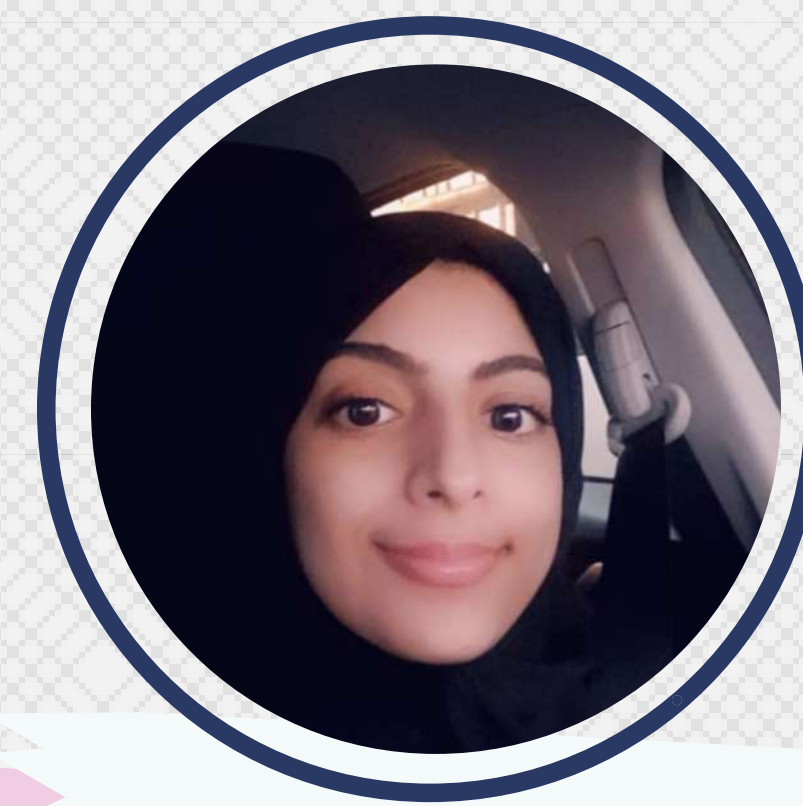
welcome
new employees



Name: Mrs. Fatimah Alfaran
Degree: Master of Science
Specialty: Cancer Biology
University: Drexel University, USA
Position: FYD Lecturer
Email: f.alfaran@machs.edu.sa



Name: Mr. Jaffar Almustafa
Degree: Bachelor of Science
Specialty: Respiratory Care
College: MACHS
Position: RC Clinical Preceptor
Email: j.almustafa@machs.edu.sa



Name: Ms. Zahra Almousa
Degree: Bachelor of Science
Specialty: Pharmacy
University: IAU
Position: PHAR Lab Instructor
Email: z.almousa@machs.edu.sa

Name: Dr. Reem Alzayer
Degree: Doctor of Philosophy
Specialty: Pharmacy Practice
University: The University of
Sydney-Australia
Position: PHAR Assistant Prof.
Email: r.alzayer@machs.edu.sa

Name: Dr. Sara Jabeen
Degree: Doctor of Philosophy
Specialty: Human Physiology &
Regenerative Medicine
University: NIMS University, India
Position: NURS Lecturer
Email: s.jabeen@machs.edu.sa

Human Resource Corner

New Employee Announcement

welcome
new employees

Name: Ms. Zahra AlAyesh
Degree: Bachelor of Science
Specialty: Pharmacy
College: MACHS
Position: PHAR Lab Instructor
Email: z.alayesh@machs.edu.sa

Name: Ms. Muntaha Alshuarim
Position: RC Clinical
Preceptor
Email: m.alshurim@machs.edu.sa

Name: Ms. Hanan Alnajrani
Degree: Bachelor of Science
Specialty: Respiratory Therapy
University: Imam Abdulrahman Bin
Faisal University
Position: RC Clinical Preceptor
Email: h.alnajrani@machs.edu.sa

Name: Dr. Noura Alibrahim
Degree: Doctor of Philosophy
Specialty: Cancer Studies and
Molecular Medicine
University: Leicester University,
United Kingdom
Position: CLS Assistant Professor
Email: n.alibrahim@machs.edu.sa

Name: Ms. Ayat Alkhamis
Degree: Masters in Public Health
Specialty: Epidemiology and
Biostatistics
University: Boston University
Position: NURS Lecturer
Email: a.alkhamis@machs.edu.sa

Name: Ms. Nada Alrhbi
Degree: Master of Arts
Specialty: ART-Teaching English as a
Second and Foreign Language
University: Fairleigh Dickinson
University
Position: FYD Lecturer
Email: n.alharbi@machs.edu.sa

Community Service

Details retrieved from: Community Service Committee Announcement

Shout out to our community volunteers



Cleaning the Beaches (January 30, 2021)



Almishari Corniche- Qatif:

Faculty

1. Ms. Zainab Alabduljabbar
2. Ms. Hawra Mohammed Alkhlaiteet
3. Ms. Zahraa Al Salam
4. Ms. Hanan hassan Al Majed

Students

5. Fatimah Anwar J Alshurfa
6. Fatimah Hussain Al Ramadhan
7. Ghadeer Hussain Habib Alruqiyah
8. Hussin Saud Al-Saeed
9. Walaa Hassan Al-Khudhair
10. Zahra Hassan Al Shakhouri
11. Zainab Ali Ahmed Alhaji
12. Zainab Ali Al-Mahasnah
13. Habib Ibrahim Khalif
14. Zainab Abduljalil Aldar
15. Fatimah Shaheed Alsiddiq
16. Kawther Alshurfaa
17. Farah Altarouti
18. Nama Al Efereet
19. Hawra Al Marhoon
20. Rouquia Alsiddiq
21. Ahad Al Sahwan

Dammam Corniche

Faculty

22. Dr.Awmnia Samir Eassa Ahmed
23. Mrs. Sakinah Aldihnayn
24. Ms.Eman Khalil

Students

25. Wadeah Ismail Almuhib
26. Wadiah Alshwaikhat
27. Rawan Ibrahim Al Nasser

Corniche Al Khobar:

Faculty

28. Mrs. Nuzhat Banu
29. Mrs. Joji John
30. Mrs. Sherihan Ghosn
31. Mrs. Munfis Samir Patel
32. Hayatem Ismael
33. Mrs. Manal Surour

Students

34. Ali Abdulsalam Almuhattin
35. Deema Ahmed Alghamdi
36. Joud Mahmoud Ahmed Tashkandi
37. Maha Khalid Alkhalidi
38. Malak Fahad Almulhim
39. Ameera Mahdi Karanat
40. Maram Al Sageer
41. Eid Al-Khalidi
42. Hessah Ali Alruhayman
43. Shahad Bukhamseen
44. Dana Alahaimer
45. Maryam Al Dossary

Venue: Alshatie Mall Dammam (January 6-7) & Lulu Hypermarket (January 13-14)

Faculty-Nursing

1. Mrs. Sharell Lewis
2. Mrs. Nisha Sivapalan
3. Mrs. Bernadette Casingal
4. Mrs. Batool Maher Alshubbar
5. Mrs. Shainy Daniel
6. Mr. Mohammed Al Marri
7. Mrs. Ruby Abraham
8. Mrs. Latha Kannan

Students-Pharmacy

1. Riyana Riyadh Ekhwan
2. Zahra Mohammed AlMadeh
3. Maryam kadim al towilib
4. Esra'a Hussain Alabduljabbar
5. Asayel Abdulrahim Alhijji
6. Lilas Hisham Al Rayes
7. Raghad Abdullah Albannai
8. Abdulrazag alkayyal
9. Zahra zaki nasser

Mental Disorders Campaign



Community Service

Compiled by: Dr. Manal Suoor

COMMUNITY STAR OF THE MONTH



COMMUNITY ANNOUNCEMENT

Due to the new regulation of restricting outdoor gatherings (e.g. Malls), all outdoor community activities will be on hold until further notice. However, we will be shifting some activities to be conducted virtually. You may participate in organizing an activity by any of the following methods:

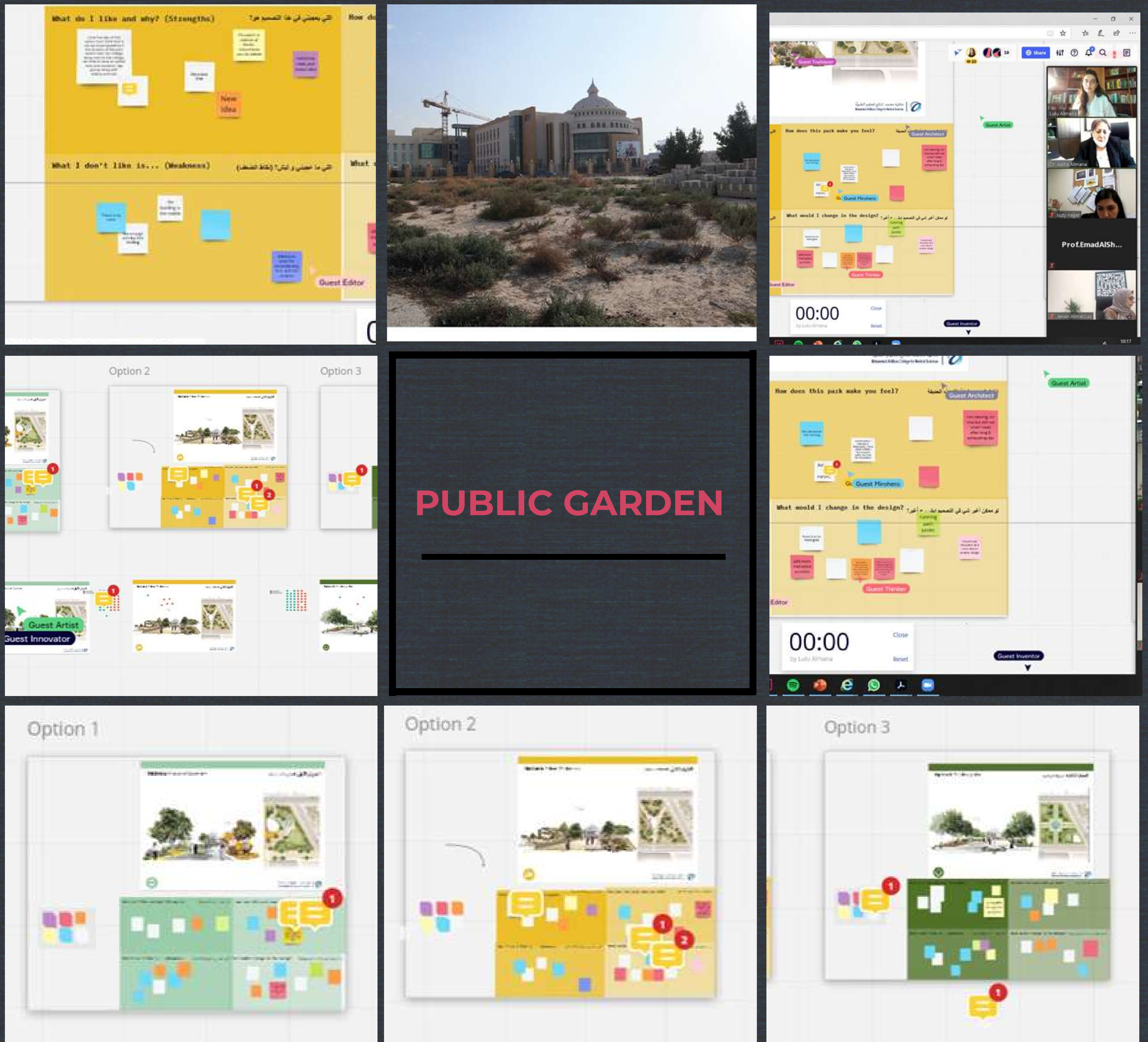
1. **Webinar** (Time : 1-4 hours/ session)
2. **Videos/Power point presentation/ Cartoon** (Time: 1-10 minutes/per record)

Choose from the list of topics that was emailed to you by the Community Service Committee. Arrange your topic's plan and send us your ideas through email at Community@MACHS.edu.sa or contact your CSC representative.

Community Service

Soon to rise: A Public Garden next to MACHS

by: Mrs. Suzy Al Najjar



A Park design consultation and presentation was held virtually via Zoom conference February 4. The one-hour activity featured architect Lulu AL Mana, a landscape architect with a passion for creating better cities for the future. She created 3 different park designs for the land located in front of Mohammed Al-Mana College for Medical Sciences, to become a public park serving the community.

The first design is an extension of the classroom under the name **“Outdoor classroom”**. Where she designed different areas of activities and a place for the classes to be given if needed. The second design was called **“Urban Wilderness”**. The idea behind it is to gather different aspects of the desert and combine them into a park for physical activities and for people from different age groups to come and get to know more about the desert with its trees and different components. The third design was under the name **“Paradise garden”**. Ms. Lulu integrated a lot of greenery and water elements in this design. It represents the quiet place used for relaxation and other purposes.

Meanwhile, the architect used a program called Miro, an online visual collaboration platform for online workshops. All the attendees had the opportunity to vote for the best design and their opinions. At the end, most of the participants voted for the first design, the outdoor classroom, and suggested that the water element can be added to the design and maybe the outdoor gym can be used for other purposes. Ms. Lulu is still working on finalizing it, hoping that the Park will be soon available for the community to enjoy it.

The park's goal is to serve the community of MACHS and the neighborhood, with the different age groups surrounding the area.

Being a **star** has never been easy; but with your sense of **volunteerism**, nothing is impossible.

Do you want to be a Star?

Be eligible. Join our community activities and collect CASH points to be a **STAR**.

For every participation to any of our community service activity lets you earn a **Community Activity Service Hour (CASH)** and gets you the chance to be the next Community Star of the Month.

CATEGORY	FACULTY	STAFF	STUDENT
BRONZE	5-14	5-14	25-44
SILVER	15-29	15-29	10-24
GOLD	30+	30+	45+

How CASH is calculated?

Service provided during office hours on weekdays	Service provided outside office hours on weekdays	Service provided on weekends	Service provided on holidays	Leading/organizing the event	Others
1 hr	2 hrs	4 hrs	5 hrs	4 hrs	As applicable

013 510 3550 Ext 2302

community@machs.edu.sa

Research Publication

Compiled by: Dr. Ayaz Ahmad

Niyaz Ahmad, **Ayaz Ahmad**. **Ischemic brain treated with 6-Gingerol loaded mucoadhesive nanoemulsion via intranasal delivery and their comparative pharmacokinetic effect in brain.** Journal of Drug Delivery Science and Technology. Accepted 28 September 2020, Available online 12 October 2020.

Abstract

Background

6-Gingerol (GRL), as an antioxidant nonvolatile, phenolic component of ginger showed a capable function in the treatment of cerebral ischemia but their poor solubility and low absorption gives low bioavailability in the brain.

Purpose

The main purpose of proposed study is to develop a novel GRL-loaded-nanoemulsion (GRL-NE) and converted to mucoadhesive nanoemulsion (GRL-MNE) for intranasal delivery to brain.

Methods

Aqueous microtitration method was used to formulate GRL-NE using Lauroglycol 90, Tween 80 and PEG-400 as the oil phase, surfactant, and co-surfactant with the help of CS converted into mucoadhesive-GRL-MNE was evaluated for morphology, physicochemically, stability in terms of thermodynamic, release (*in vitro*), mucoadhesive potency, and nasal permeation (*ex-vivo*) to enhance brain bioavailability and other PK-parameters.

Results

Opt-GRL-MNE showed mean globule-size (94.89 ± 2.61 nm), PDI (0.129 ± 0.091) and +ve ZP (1.892 ± 0.068 mV). Excellent mucoadhesive-nature of GRL-MNE as compared with GRL-S was found with their retention time (1.27 min) and m/z : 295.3764/137.0763 for GRL, alongwith a retention time (1.12 min) and m/z : 294.3126/137.1802 for Nonivamide (internal standard; IS). 1.0–1000.0 ng/mL linear range, % inter- and-intraday accuracy (94.12–98.97%) and CV (2.06–4.04%) were calculated. A highly significant ($p < 0.001$) results were found for enhanced C_{max} with their area under curve (AUC)_{0–24} of based on i.n. and i.v. treated-groups of rats. Moreover, significantly results were observed for neurobehavioral and biochemical assessment with their histopathological assessment and reduction of infarction-volume in MCAO-induced brain-ischemic model after the delivered GRL-MNE via intranasal route.

Conclusion

GRL-MNE showed a significant ($p < 0.001$) role for the improvement of brain-bioavailability in the treatment of cerebral ischemia with improving their neuroprotection at very low-dose of GRL.



Scopus
Indexed



Web of
Science
Indexed



PubMed
Indexed

Research Publication

Compiled by: Dr. Ayaz Ahmad

Faisal Imam, Manju Sharma, Naif Obaid Al-Harbi, Mohammad Rashid Khan, Wajhul Qamar, **Mohammad Daud Ali**, Nemat Ali, Md. Khalid Anwar.

The possible impact of socioeconomic, income, and educational status on adverse effects of drug and their therapeutic episodes in patients targeted with a combination of tuberculosis interventions.

Saudi Journal of Biological Sciences. 2021.

Abstract

First-line antituberculosis (anti-TB) compounds have been considered as proven components of the Directly Observed Treatment-Short course (DOTS). Drug therapy against tuberculosis has been categorized as I, II, or III following the Revised National Tuberculosis Control Program guidelines. Anti-TB drugs are quite common and show limited adverse effects. However, first-line anti-TB compounds mediated DOTS therapy and were found with several complications. Thus, those drugs have been discontinued. Therefore, the present study was designed to find out the possible impact of socioeconomic, income, and educational status on the adverse effects of drugs and their therapeutic episodes in patients targeted with a combination of tuberculosis intervention. This study found that an increased incidence of tuberculosis was found in patients who have finished high school, contributing to a high percentage of adverse effects. Notably, adverse events were shown maximally in poor patients compared with rich- or high-income patients. On the contrary, a high prevalence of adverse events was shown to be increased in partially skilled workers compared with full-skilled workers. Consequently, adversely considerable events were implicated to be raised in patients associated with minimal socioeconomic class. Such interesting factors would help in monitoring such events in experimental patients.



Scopus
Indexed



Web of
Science
Indexed



PubMed
Indexed

Md Ali Mujtaba; Md Habban Akhter; Md. Sarfaraz Alam; **Mohammad Daud Ali**; Afzal Hussain. **An updated review on therapeutic potential and recent advances in drug delivery of Berberine: Current status and future prospect.** Current Pharmaceutical Biotechnology. 2021.

Abstract:

Natural products are well known for their high potency with minimum side effects. Plant extracts are the most commonly used natural products because of their ease of availability and relatively low production cost. Berberine (BBR), a phytochemical component of some Chinese medicinal herbs (most commonly *Berberis vulgaris*), is an isoquinoline alkaloid with several biological and pharmacological effects including antioxidant, anti-inflammatory, antitumour, antimicrobial, antidepressant, hepatoprotective, hypolipidemic, and hypoglycemic actions. Interestingly, multiple studies have shown that BBR is a potential drug candidate with a multi-spectrum therapeutic application. However, the oral delivery of BBR is challenged owing to its poor bioavailability. Therefore, its oral bioavailability needs to be enhanced before it can be used in many clinical applications. This review provides an overview of the various studies that support the broad range of pharmacological activities of BBR. Also, it includes a section to address the issues and challenges related with the drug and methods to improve the properties of BBR such as solubility, stability and bioavailability that may be explored to help patients reap the maximum benefit from this potentially useful drug.

Keywords: Berberine; Isoquinoline alkaloid; Oral bioavailability; Pharmacokinetics; Drug delivery



Scopus
Indexed



Web of
Science
Indexed



PubMed
Indexed

Non-academic Bulletin

MACHS, Sawaeed (Taqat) host job fair

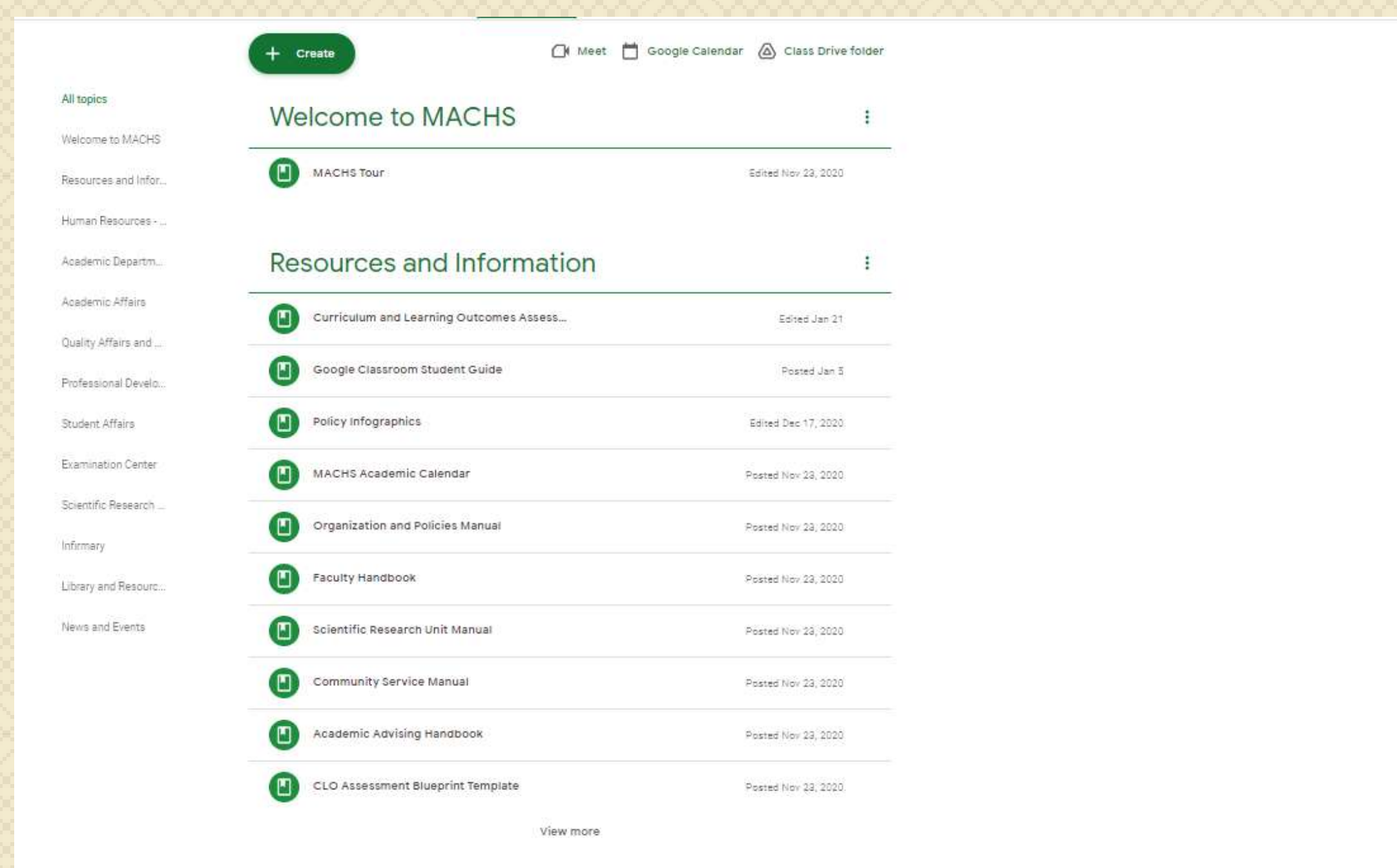
by: Ms. Zahiah Almohsen



Mohammed Al-Mana College for Medical Sciences upholds its aim of providing the students not only an excellent learning experience but also establishing a career after graduation. In line with this, the Alumni Unit spearheaded a campus job fair held January 14 at Princess Meshal Conference Hall, Administration building.

In collaboration with Sawaeed (Taqat), all MACHS graduates were invited to attend the career fair for an immediate interview with Dr. Alnaamy Specialist Hospital and Alshaya Group.

Center of excellence launches online orientation via google classroom



An innovative way of ensuring a well-informed members of the academic community was introduced by the Center of Excellence initiated by Dr. Fatima Ali AlAbdulazziz. The so-called "Google Classroom Faculty Online Orientation" was developed to give an instant and readily available access to orientation materials and resources related to teaching. This includes but not limited to handbooks, policies, templates, and other forms which are downloadable for quick use and reference purposes.

Policy Updates

Dean's Honor List

The Dean's Honor List is an honorary award given to the top performing students/interns. The selection of the awardees takes place annually at the end of Spring Semester.

What does the policy state?

To be eligible to be placed on the Dean's list, the student/intern must meet the following criteria:

1. Have registered and completed a minimum of 12 credit hours.
2. Have at least a cumulative GPA of 4.5 or above out of 5.
3. Have no failing grades in any of his/her courses during that academic year.
4. Have no incomplete grades.
5. Have no grade lower than "B" during that academic year.
6. Is going according to the study plan with no extensions
7. Have no disciplinary action against him/her during the time at MACHS.

Then, the top 5 of the class will be selected according to the points presented in the table:

	Category	Points	Maximum
Research	Participation in scientific research (unpublished)	3 points per participation	3 participations
	Publication or paper accepted for publication	5 points per paper	3 papers
Community	Community activity Outside MACHS organized by the college (Volunteering)	3 points per activity	3 activities
	Extra-curricular activity inside MACHS organized by the college (Volunteering)	2 points per activity	3 activities
Awards	Awards related to Health Sciences outside MACHS	5 points per award	open
	Awards related to Health Sciences inside MACHS	3 points per award	open
Representations (current)	Student Advisory Council Member	10 points	not applicable
	Class Leader	8 points	not applicable
	Committee member	5 points	two



Follow us:



@machsCollege



@machscollege



Mohammed Al-Mana
College for Medical
Sciences



Mohammed Al-Mana
College for Medical
Science

Our website

machs.edu.sa

For suggestions and
article submissions,
email us at
PR@MACHS.EDU.SA

