

مستشفى الملك خالد
التخصصي للعيون
King Khaled Eye
Specialist Hospital



SDAIA
الهيئة السعودية للبيانات
والذكاء الاصطناعي
Saudi Data & AI Authority

The Eye Hackathon

In collaboration with  **SDAIA**
الهيئة السعودية للبيانات
والذكاء الاصطناعي
Saudi Data & AI Authority



12-14 December 2024

PROGRAM BOOKLET

@KkeshKsa



crowne plaza RDC



Where Human Vision Meets Machine Precision



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CEO Welcome Note

It is with great excitement that I welcome you to the Eye Hackathon, a key highlight of the King Khaled Eye Specialist Hospital (KKESH) International Conference 2024. This year's event continues our legacy of advancing eye care by embracing emerging technologies that shape the future of ophthalmology.

At KKESH, we are deeply committed to fostering innovation and collaboration to enhance patient care. This year, we are honored to partner with the Saudi Data and Artificial Intelligence Authority (SDAIA) to explore how artificial intelligence can revolutionize the diagnosis and treatment of eye diseases. Together, we aim to unlock new possibilities for improving vision care across the globe.

The Eye Hackathon is a unique platform for eye care professionals, data scientists, and AI experts to converge and tackle real-world challenges in ophthalmology. It is a space where interdisciplinary collaboration sparks innovative solutions to some of the most pressing problems in eye care.

I am delighted to announce that this year's hackathon features 14 dynamic teams and 100 passionate participants. Over the course of the event, these teams will work tirelessly to address critical challenges in eye care, showcasing the power of collaboration and creativity.

Thank you for being part of this transformative experience. I look forward to witnessing the groundbreaking ideas and solutions that emerge from this inspiring event.

Warm regards,
Dr. Abdulaziz Al Rajhi



Dr. Abdulaziz Al Rajhi

Chief Executive Officer

King Khaled Eye Specialist Hospital & Research Center



**Innovating Sight,
Empowering Insight**



Hackathon Overview

Organizing Committee

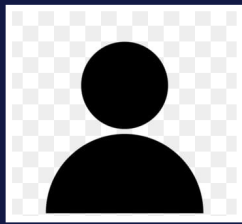


Dr. Adi Al Owaifeer

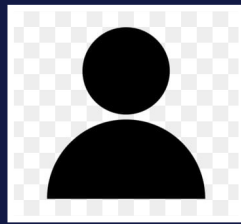
CHAIRMAN

Consultant, Innovation Office
King Khaled Eye Specialist Hospital & Research Center

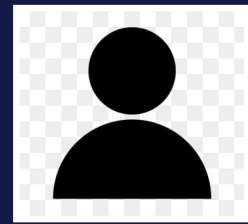
MEMBER



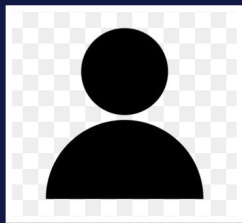
Dr. Mohammed Al Awwad
Saudi Data & AI Authority



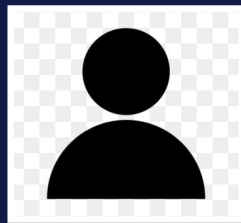
Dr. Mansour Al Dawood
King Khaled Eye Specialist Hospital &
Research Center



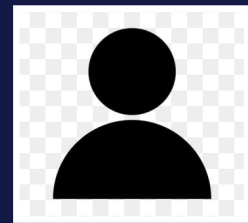
Mr. Khaled Al Dhayaan
Saudi Data & AI Authority



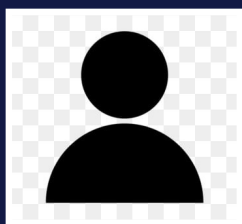
Renad Al Subaie
Medical Student
King Faisal University



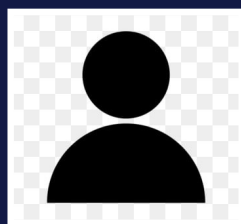
Mr. Abdulaziz Al Ruwaishid
Coordinator, Innovation Office
King Khaled Eye Specialist Hospital &
Research Center



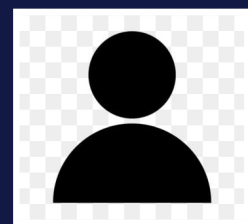
Ms. Lujain Al Yahya
Saudi Data & AI Authority



Ms. Fatimah Al Hashmi
King Khaled Eye Specialist Hospital &
Research Center



Mr. Sami Al Anazi
King Khaled Eye Specialist Hospital &
Research Center



Mr. Abdulaziz Al Bilali
Saudi Data & AI Authority

Scientific Committee



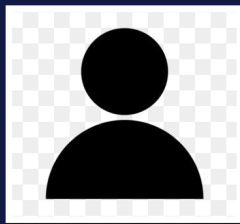
Dr. Adi Al Owaifeer

CHAIRMAN

Consultant, Innovation Office

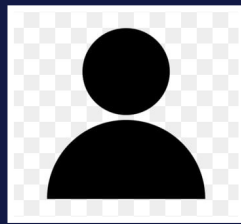
King Khaled Eye Specialist Hospital & Research Center

MEMBER



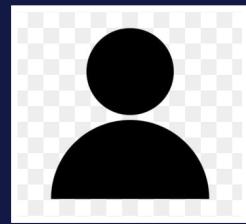
Dr. Mohammed Al Awwad

Saudi Data & AI Authority



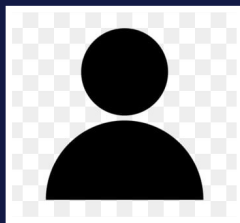
Dr. Mansour Al Dawood

King Khaled Eye Specialist Hospital &
Research Center



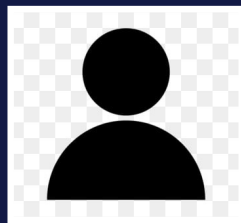
Dr. Abdulrahman AlJouie

King Abdulaziz University for
Health Sciences



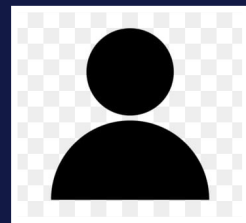
Dr. Ibrahim Al Obaida

Consultant, Glaucoma Division
King Khaled Eye Specialist Hospital &
Research Center



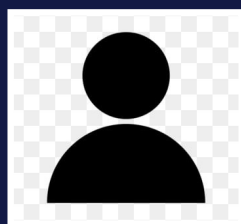
Dr. Deema Jomar

Consultant, Anterior Segment Division
King Khaled Eye Specialist Hospital &
Research Center



Eng. Ali Al Talag

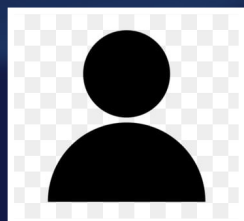
King Khaled Eye Specialist Hospital &
Research Center



Mr. Abdulaziz Al Ruwaishid

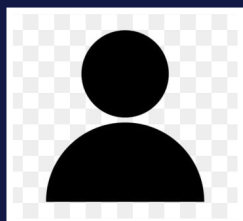
Coordinator, Innovation Office
King Khaled Eye Specialist Hospital &
Research Center

Artificial Intelligence Advisors



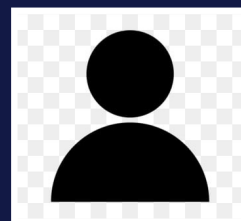
Dr. Abdulrahman AlJouie

Assistant Professor, Computer Science
King Abdulaziz University for Health
Sciences



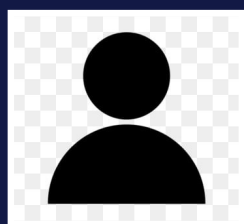
Dr. Ahmet Görkem

Internist & Infectious Diseases Specialist
Medical Informatics, Fulbright Alumnus
Stanford University



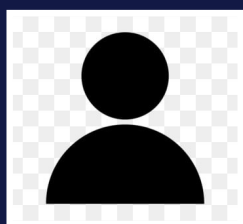
Dr. Alexander Thieme

Physician Scientist,
Board-Certifications in Radiation Oncology
and Medical Computer Science
Stanford University



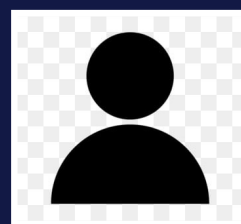
Chris Sadeé

Staff Scientist
Bioinformatics Research Center
Stanford University



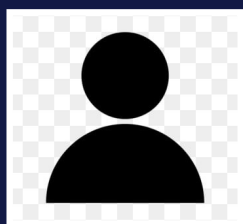
Dr. Katherine Hartmann

Physician Scientist, Radiology Resident
University of Pennsylvania



Dr. Sadam Al-Azani

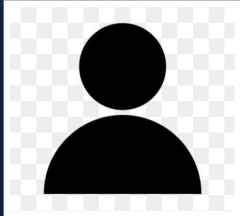
Research Scientist, SDAIA-KFUPM Joint
Research Center for AI
King Fahd University of Petroleum &
Minerals



Dr. Shujaat Khan

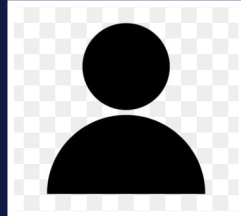
Assistant Professor, Computer Engineering
King Fahd University of Petroleum &
Minerals

Clinical Advisors



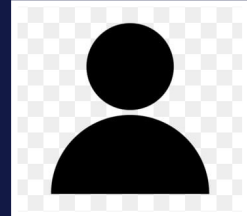
Prof. Daniel Ting

Director, Artificial Intelligence Office
Chief and Senior Consultant
Singapore Health Service
Singapore National Eye Center



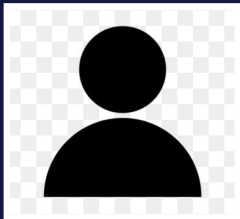
Prof. Aaron Lee

Professor of Ophthalmology, School of
Medicine
University of Washington



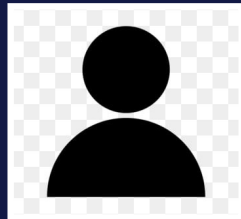
Dr. Deema Jomar

Consultant, Anterior Segment Division
King Khaled Eye Specialist Hospital &
Research Center



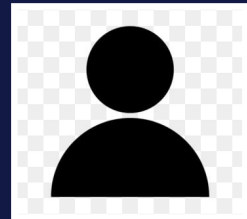
Dr. Ibrahim Al Obaida

Consultant, Glaucoma Division
King Khaled Eye Specialist Hospital &
Research Center



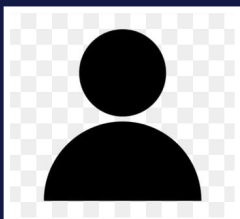
Dr. Rizwan Malik

Associate Director of Research
King Khaled Eye Specialist Hospital &
Research Center



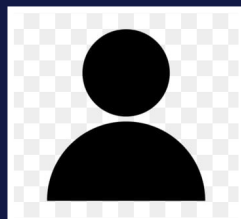
Dr. Khawlah Al Zaben

King Khaled Eye Specialist Hospital &
Research Center



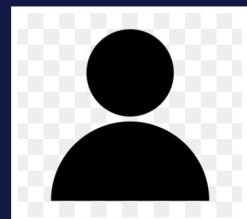
Dr. Ali Alrajhi

King Khaled Eye Specialist Hospital &
Research Center



Dr. Amani AlBakri

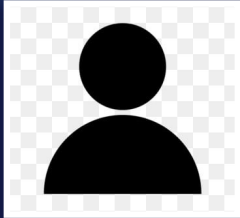
Consultant, Anterior Segment Division
King Khaled Eye Specialist Hospital &
Research Center



Dr. Halah Bin Helayel

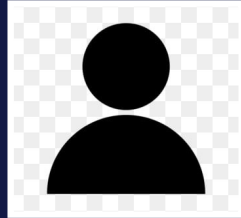
Consultant, Anterior Segment Division
King Khaled Eye Specialist Hospital &
Research Center

Clinical Advisors



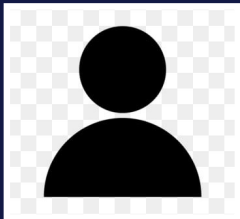
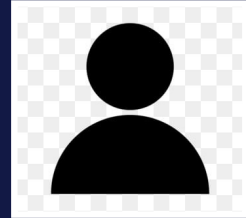
Dr. Sulaiman ALSulaiman

Consultant, Vitreoretinal Division
King Khaled Eye Specialist Hospital &
Research Center



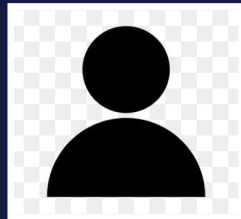
Dr. Adel Al Akeely

Dr. Deepak Edward
Chief Office of Research & Training
King Khaled Eye Specialist Hospital &
Research Center



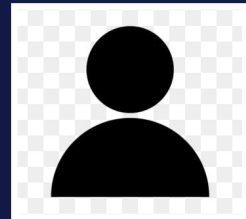
Mr. Abdulrahman ALGaeed

King Khaled Eye Specialist Hospital &
Research Center



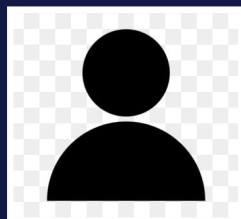
Aziza Al Anazi

Health Informatics Specialist, Product
Management Director
Takamol Holding



Dr. Alyaa Ezzat

Consultant Ophthalmologist
Care Hospital



Mohammed AlBlowi

King Khaled Eye Specialist Hospital &
Research Center

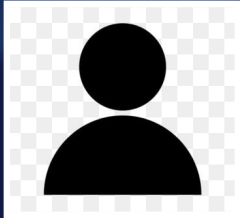


Dr. Mohammed Ahad

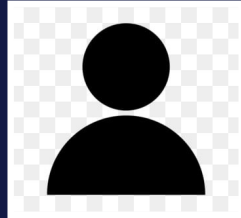
Chair and Senior Academic Consultant,
Anterior Segment Division
King Khaled Eye Specialist Hospital &
Research Center



Team Coordinators

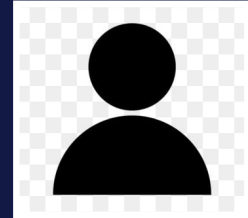


Abdulmajeed Al Khathami



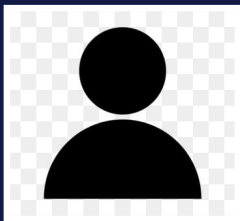
Mona Almutlaq

Medical Student, College of Medicine
King Faisal University



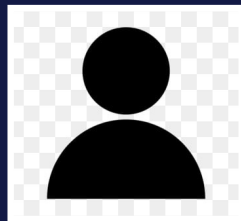
Nujood Alhomeni

Medical Student, College of Medicine
King Faisal University



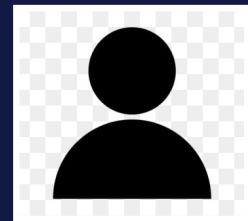
Maryam Alqudihi

Medical Student, College of Medicine
King Faisal University



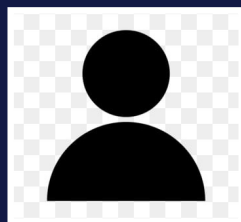
Ibtisam Algouf

Medical Intern, College of Medicine
King Faisal University



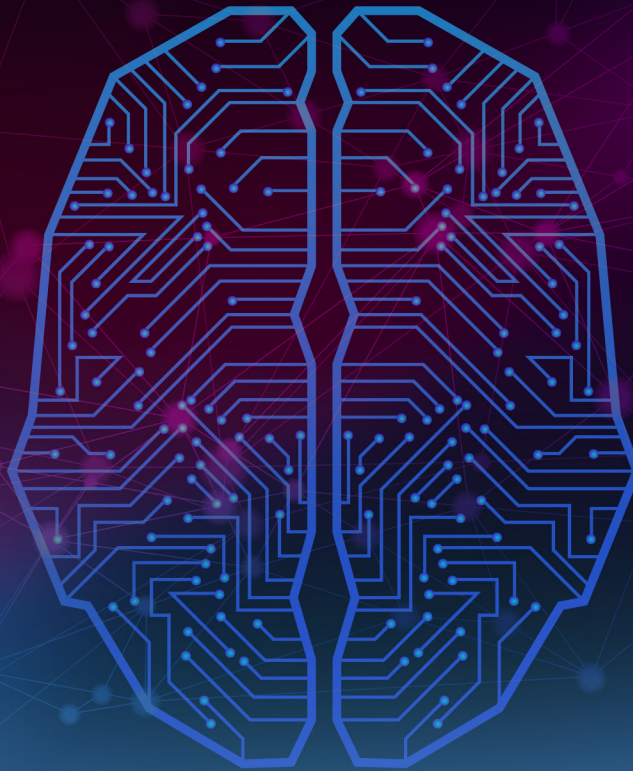
Muath Alahmadi

Medical Student, College of Medicine
Umm Al Qura University



Osama M. Qasim

Medical Student, College of Medicine
Umm Al Qura University



Where Curiosity Sparks Innovation



Program at a Glance

Day	Day 1	Day 2	Day 3
Time	Thursday 12 Dec 2024	Friday 13 Dec 2024	Saturday 14 Dec 2024
08:30 - 09:00	Lectures	Hacking	Lectures
09:00 - 09:30			
09:30 - 10:00			
10:00 - 10:30	Coffee Break	Hacking	Hacking
10:30 - 11:00			
11:00 - 11:30	Hacking	Mentor Moment	Pitch Prep
11:30 - 12:00			
12:00 - 13:00	Prayer & Lunch	Prayer & Lunch	Coffee Break
13:00 - 13:30			
13:30 - 14:00	Lectures	Hacking	Pitch Battle
14:00 - 15:00	Mentor Moment		
15:00 - 15:30	Hacking		
15:30 - 16:00	Coffee Break	Coffee Break	Award Ceremony
16:00 - 17:00	Hacking	Hacking	
17:00 - 17:30			
17:30 - 18:00	Wrap-up Rounds	Mentor Moment	Award Ceremony
	Wrap-up Rounds	Wrap-up Rounds	

The Eye Hackathon

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والذكاء الاصطناعي
Saudi Data & AI Authority

COLOR CODES

Organizing Committee	Lecture	AI/Data Workshop	Team work
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DAY ONE

THURSDAY 12 DEC 2024

Time	Session	Speaker
08:30 - 08:40	Welcome Note	Dr. Adi Al Owaifeer
08:40 - 08:50	Launch Pad: Hackathon overview	Abdulaziz Al Ruwaishid
08:50 - 09:10	Expert Insight: Building an Effective AI Solution in Eye Care (The EYENAI Experience)	Dr. Mohammed Al Awwad
09:10 - 10:00	Data Dive: AI Lecture/Workshop	Stanford Speaker
10:00 - 12:00	Hacking	
12:00 - 13:00	Prayer & Lunch Break	
13:00 - 13:30	Expert Insight: Kickstart Your AI Project: Public Ophthalmology Datasets	Dr. Aaron Lee
13:30 - 14:00	The Innovation Dialogue: An Expert's Reflections on Transforming Eye Care with AI	Dr. Daniel Ting
14:00 - 14:30	Mentor Moment	Clinical & AI advisors
14:30 - 17:30	Hacking	
17:30 - 18:00	Wrap-up Rounds	Organizing Committee

COLOR CODES

Organizing Committee	Lecture	AI/Data Workshop	Team work
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DAY TWO FRIDAY 13 DEC 2024

Time	Session	Speaker
09:30 - 09:40	Scoring Success: Hackathon Assessment Criteria	Abdulaziz Al Ruwaishid
09:40 - 11:00	Data Dive: AI Lecture/Workshop	Stanford Speaker
11:00 - 11:30	Mentor Moment	Clinical & AI advisors
11:30 - 13:00	Prayer & Lunch Break	
13:00 - 13:30	Expert Insight: TBA	Dr. Abdulrahman Al Joui
13:30 - 16:00	Hacking	
17:00 - 17:30	Mentor Moment	Clinical & AI advisors
17:30 - 18:00	Wrap-up Rounds	Organizing Committee



COLOR CODES

Organizing Committee	Lecture	AI/Data Workshop	Team work
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DAY THREE SATURDAY 14 DEC 2024

Time	Session	Speaker
09:30 - 11:00	Pitch Prep: Teams sit down to refine and finalize presentations	
11:00 - 12:00	Mentor Moment	Clinical & AI advisors
12:00 - 14:30	Pitch Battle: Final presentations of developed solutions	Judging Panel
14:30 - 15:00	Announcement of Winners	



From Data to Diagnosis

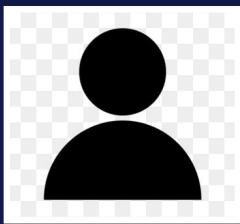
Hackathon Teams

NO. 1

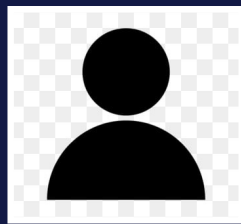
IFRESH

Brief (English) 250 characters max

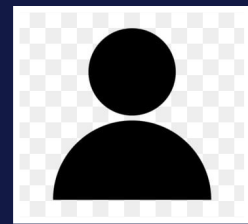
AI app detects and manages dry eye by analyzing blinking redness and rubbing through the phones front camera. It offers dry eye grading tests personalized medical advice and daily reminders for moisturizing and eye care.



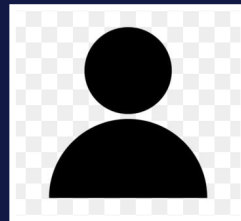
Dr. Deema Jomar
Clinical Advisor



Dr. Abdulrahman Aljouie
AI Advisor

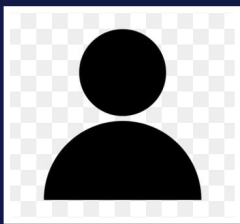


Dr. Abdulmajeed Al Khathami
Coordinator

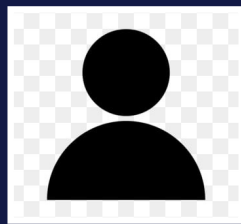


Dr. Rawan Alabduqader
Leader

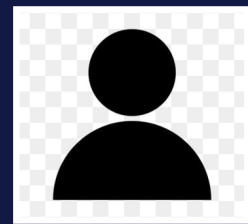
MEMBERS



Dr. Jumanah Qedair



Eng. Nouf Alabdulqader



Mr. Abdullah Afif Alshakhs



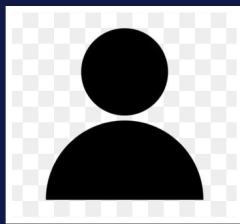
Hackathon Teams

NO. 2

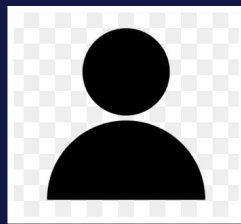
GLAUCOMA GURUS

Brief (English) 250 characters max

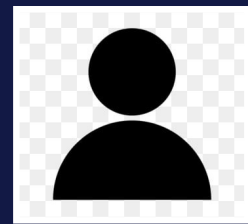
Framework for multi-model deep learning system for glaucoma diagnosis and management including surgical predictions that analyzes multi-source data OCT fundus images visual field tests patient records genetic data and treatment histories.



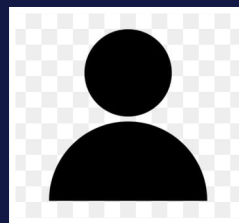
Dr. Ibrahim Alobaida
Clinical Advisor



Dr.
AI Advisor

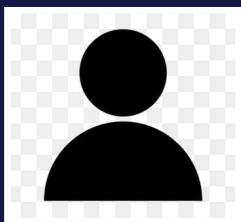


Dr. Abdulmajeed Al Khathami
Coordinator

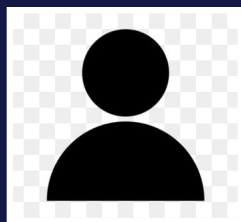


Dr. Yara Alshammari
Leader

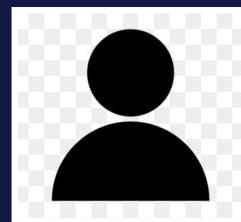
MEMBERS



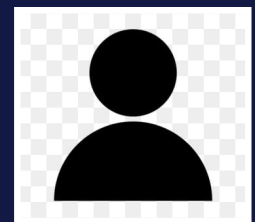
Dr. Ibrahim Alobaida



Dr. Mohammed Fouda



Mr. Hatem Alhomid



Dr. Arij Alshammari



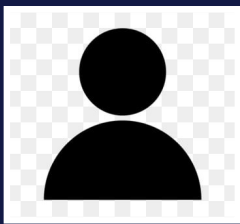
Hackathon Teams

NO. 3

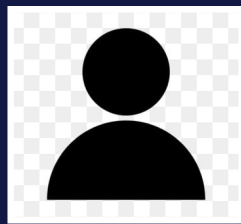
AI FOR PREDICTING DYSTHYROID OPTIC NEUROPATHY IN THYROID EYE DISEASE

Brief (English) 250 characters max

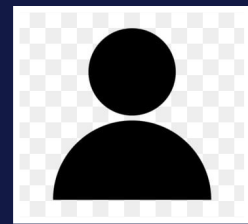
Creating an AI that analysis photos of corneal suturing / surgical suturing and provides feedback for the trainee helping guiding them in which area to improve.



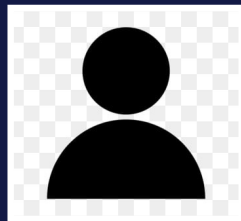
Dr. Rizwan Malik
Clinical Advisor



Dr.
AI Advisor

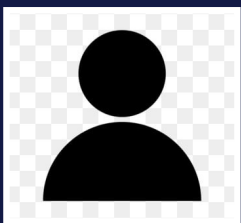


Dr. Mona Almutlaq
Coordinator

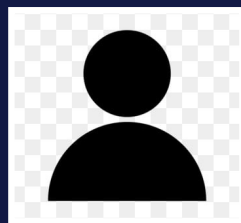


Dr. Alanuad Ibrahim Albazei
Leader

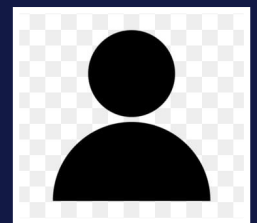
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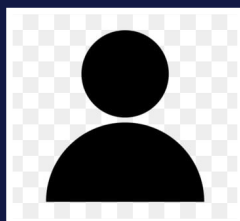
Eng. Mohamed adel
Alzaben



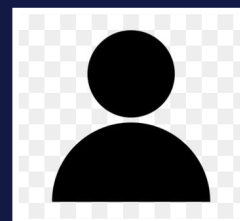
Dr. Ahmed Abdullah
Albin hamad



Mr. Faisal abd Alajam



Dr. Razan Abdulaziz
Almulhim



Eng. Njood
Ebraheem Aljuraid

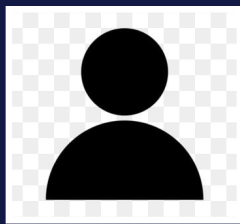
Hackathon Teams

NO. 4

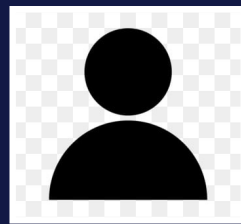
AI FOR PREDICTING DYSTHYROID OPTIC NEUROPATHY IN THYROID EYE DISEASE

Brief (English) 250 characters max

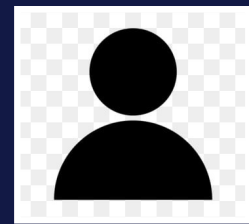
Creating an AI that can read predictors of DON on radiological imaging and refer the patient for ophthalmology care.



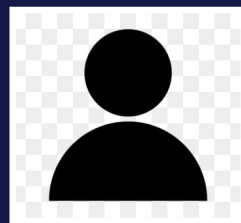
Dr. Khawlah Alzaben
Clinical Advisor



Dr. Shujaat Khan
AI Advisor

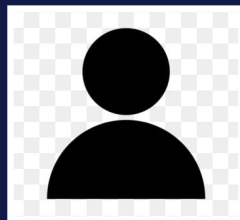


Dr. Mona Almutlaq
Coordinator

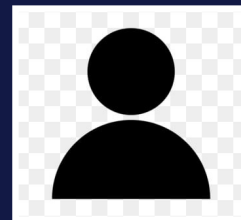


Eng. Mohamed adelAlzaben
Leader

MEMBERS



**Eng. Wajd Fahad
Aldugaim**



**Dr. Wajd Abdullah
Alsulaiman**



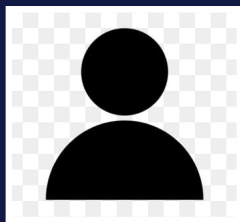
Hackathon Teams

NO. 5

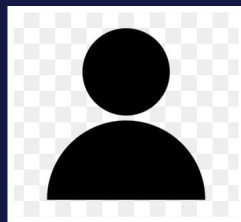
KONEAI

Brief (English) 250 characters max

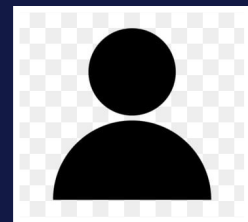
An AI-powered system to predict keratoconus progression at first visit. By analyzing corneal topography & risk factors to identify high-risk patients early, enabling timely intervention, supporting decision-making for clinicians and preserve vision



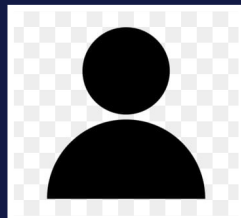
Dr. Ali AlRajhi
Clinical Advisor



Dr.
AI Advisor

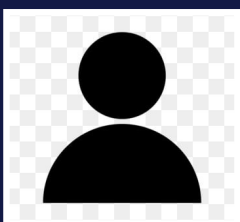


Dr. Nujood Alhomeni
Coordinator

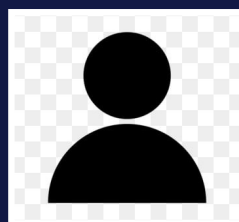


Dr. Enmar Mazyad Almazyad
Leader

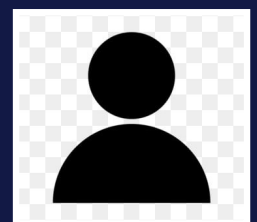
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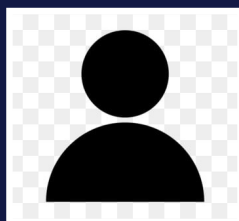
**Eng. Shaimaa Mishal
Alghamdi**



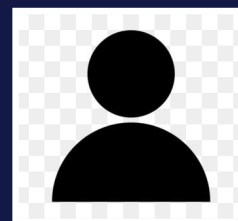
**Eng. Raniyah Mishal
Alghamdi**



**Eng. Khuzama Khalid
Alsenan**



**Eng. Ibrahim
Abdulrahma Alshehri**



**Eng. Joharah Faiz
Alotaibi**

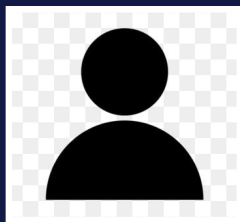
Hackathon Teams

NO. 6

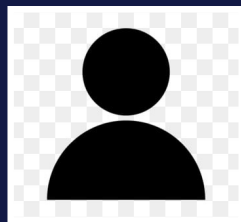
OPTIC AI PIONEERS

Brief (English) 250 characters max

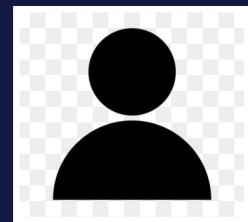
The mobile app uses AI and sensors to monitor a child's adherence to covering the stronger eye during digital device use for amblyopia treatment. It sends real-time notifications to parents and generates compliance reports for doctors.



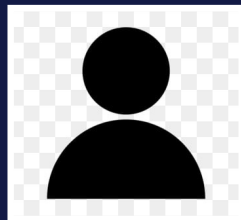
Dr. Amani AlBakri
Clinical advisor



Dr.
AI advisor

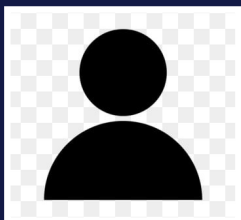


Dr. Nujood Alhomeni
Coordinator

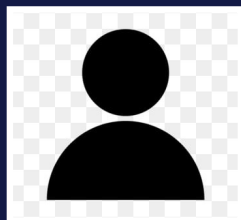


Alhassan Rizq Alqarih
Leader

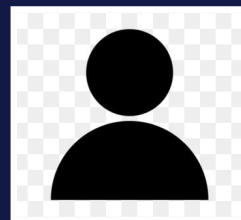
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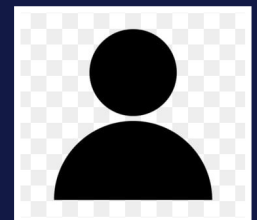
Haifa Hussein Alnajrani



Hend Abdullah Al Jaffar



**Razan yahya
alnajrany**



**Dr. Manal Abdullah
Almuammar**

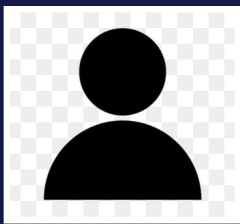
Hackathon Teams

NO. 7

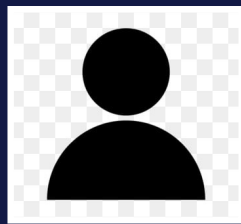
A-EYE TRIAGE

Brief (English) 250 characters max

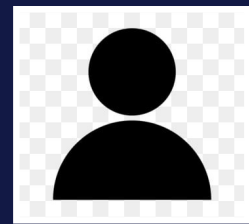
An AI-powered intelligent triage system for ophthalmic emergencies that analyzes symptoms and high-resolution eye images to prioritize cases, provide differential diagnoses, and offer pre-hospital care recommendations, ensuring timely treatment and improved healthcare efficiency.



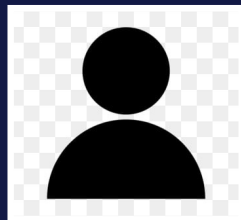
Dr. Halah Bin Helayel
Clinical Advisor



Dr. Sadam Al-Azani
AI Advisor

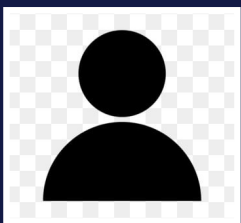


Dr. Maryam Alqudih
Coordinator

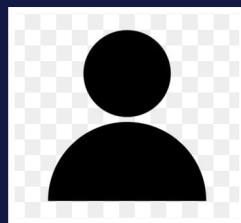


Dr. Tasniem Alyahya
Leader

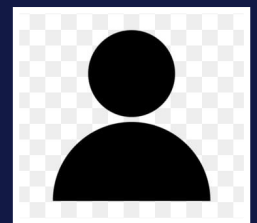
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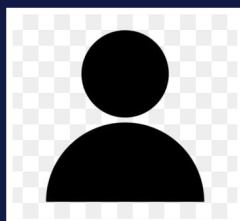
Dr. Tadani Alyahya



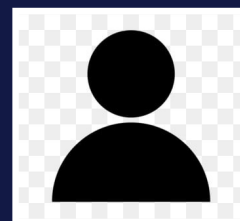
Ream Alyahya



Nafad Alyahya



Munirah Alyahya



Amal Alsulamy



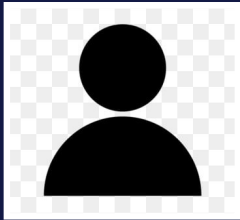
Hackathon Teams

NO. 8

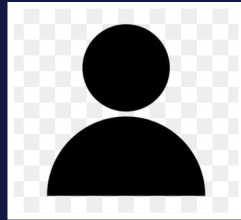
DEEPROP

Brief (English) 250 characters max

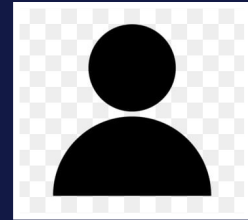
ROP Detection using DL



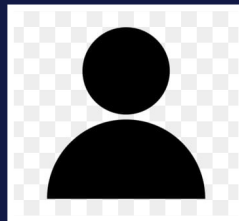
Dr. Sulaiman ALSulaiman
Clinical Advisor



Dr. Sadam Al-Azani
AI Advisor

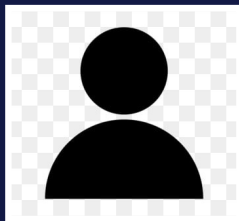


Dr. Maryam Alqudihi
Coordinator



Dr. Faisal Maher Mahrous
Leader

MEMBER



Sami Alghamdi



Hackathon Teams

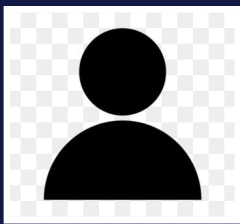
NO. 9

NEUROCUE

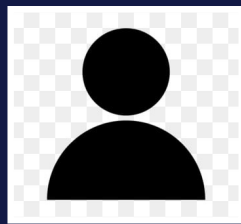
Brief (English) 250 characters max

NeuroCue: AI-Driven OCTA and Cognitive Assessment for Alzheimer's Disease

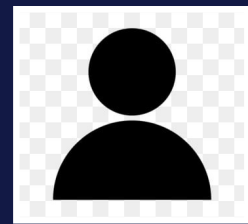
NeuroCue uses OCTA to detect retinal changes linked to Alzheimer's and analyzes MoCA results with AI for early detection. It bridges diagnostic gaps, enabling holistic evaluation, early intervention, and improved outcomes in cognitive health.



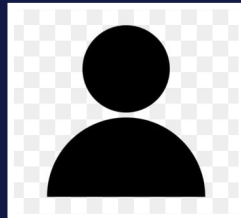
Dr. Adel Al Akeely
Clinical Advisor



Dr. Abdulrahman Aljouie
AI Advisor

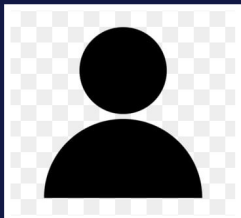


Dr. Ibitsam Algouf
Coordinator

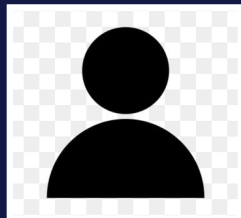


Dr. Raghad Mutir Alzahrani
Leader

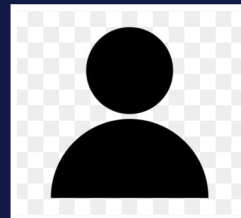
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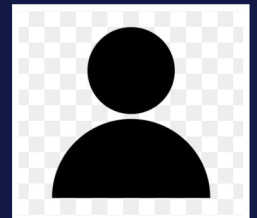
Eng. Ibrahim Saber



Dr. Fay Mana
Alsuheyam



Dr. Renad Youssuf
ALSuhaibani



Ghadi Alzahrani



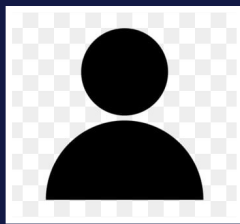
Hackathon Teams

NO. 10

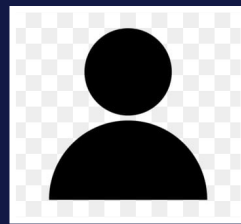
CLEAR SIGHT

Brief (English) 250 characters max

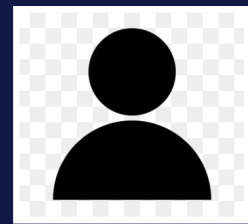
The project aims to develop an AI-based system to analyze eye images for early detection of cataracts and classify their severity to support doctors in making precise treatment decisions. It enhances diagnostic accuracy, reduces costs, and aligns with Saudi Vision 2030 to improve healthcare quality.



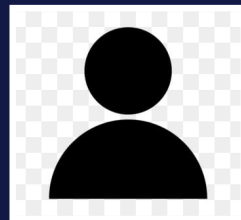
Dr. Deepak Edward
Clinical advisor



Dr. Saddam Al-Azani
AI advisor



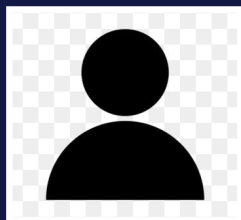
Dr. Ibtisam Algouf
Coordinator



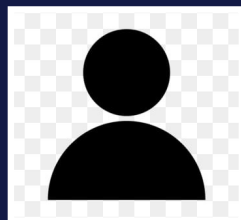
Dr. Shatha Alhazzani

LEADER

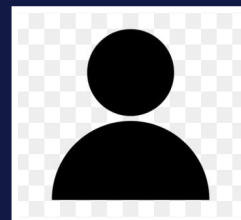
MEMBER



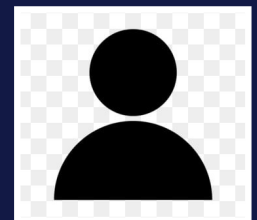
Reema Alshawi



Alanoud Alhmood



Shaikha Mokhlis



Dr. Abdullah Almalki

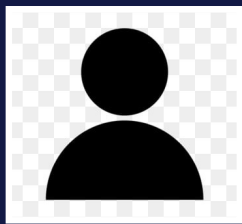
Hackathon Teams

NO. 11

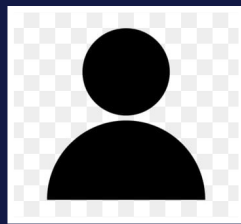
ECHOVISION AI

Brief (English) 250 characters max

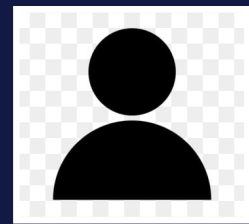
An AI tool for B-scans automates pathology detection, like retinal detachment, improving diagnostic speed and accuracy. It supports clinicians, integrates with EMRs, and bridges skill gaps, advancing ophthalmic care globally.



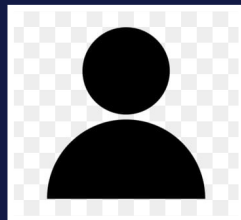
Dr. Abdulrahman ALGaeed
Clinical Advisor



Dr. Shujaat Khan
AI Advisor

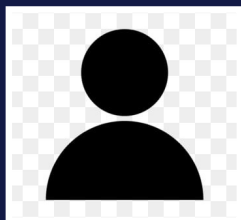


Dr. Ibtisam Algouf
Coordinator

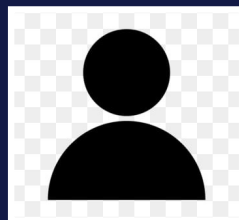


Dr. Abdulrahman ALKaff
Leader

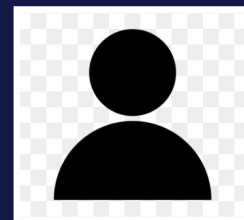
MEMBERS



Aisha Ali ALKaff



Abdullah Althobaiti



Dr. Samar Binkheder



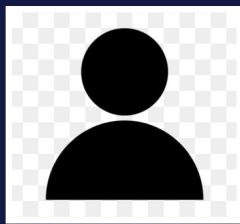
Hackathon Teams

NO. 12

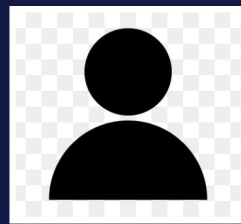
SIGHTSCRIBE INNOVATORS

Brief (English) 250 characters max

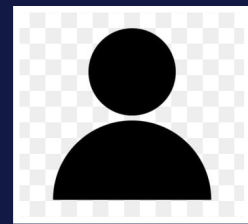
An AI scribe for ophthalmology uses real-time speech recognition to create accurate organized notes for physician approval saving time and enhancing care.



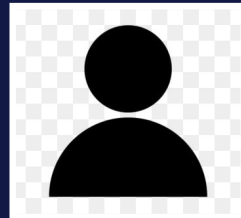
Dr. Aziza Alanazi
Clinical Advisor



Dr. Abdulrahman Aljouie
AI Advisor

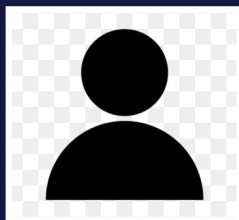


Dr. Muath Alahmadi
Coordinator

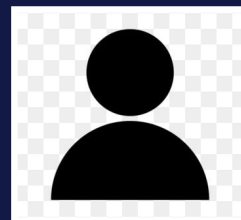


اسماء مسعد الحازمي
Leader

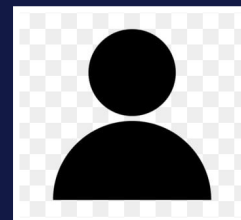
MEMBERS



الاء الحازمي



اروى الحازمي



عبدالله الحازمي



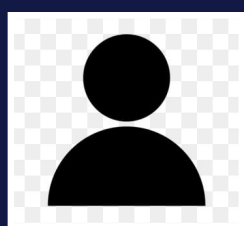
Hackathon Teams

NO. 13

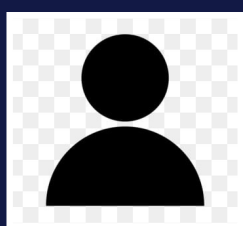
VISIONSCANAI

Brief (English) 250 characters max

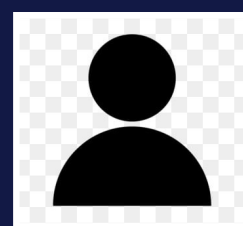
AI-powered app using photorefraction to detect refractive errors (myopia, hyperopia, astigmatism) via phone camera. It offers vision tests, light reflection analysis, and detailed reports with treatment advice for hospitals and online consultations.



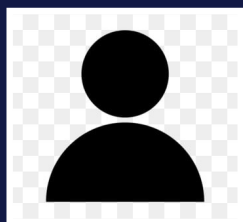
Dr. Alyaa Ezzat
Clinical Advisor



Dr.
AI Advisor

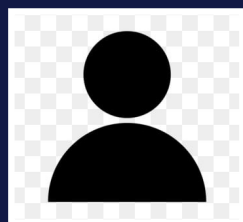


Dr. Muath Alahmadi
Coordinator



Mashaal Alzahrani
Leader

MEMBER



Maryam Alharby

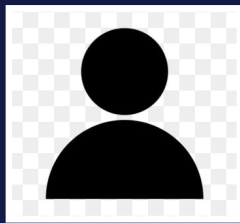
Hackathon Teams

NO. 14

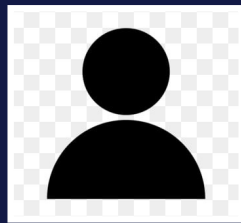
BASEERA

Brief (English) 250 characters max

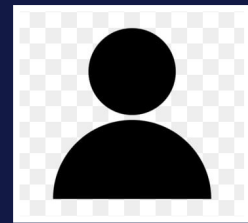
Baseera harnesses Artificial Intelligence (AI) and Augmented Reality (AR) to transform smartphones into accessible tools for detecting vision problems. With 1 in 3 individuals globally suffering from undiagnosed conditions such as myopia, hyperopia, or astigmatism, Baseera provides a convenient solution to perform initial eye screenings at home. Using AR, Baseera simulates clinically recognized tests like Snellen charts, while AI analyzes real-time eye tracking and pupil data through the device's camera. This combination ensures accurate, instant results, identifying vision impairments and recommending corrective actions, such as wearing glasses or consulting an ophthalmologist. By eliminating barriers of cost, time, and distance, Baseera empowers individuals in underserved regions to take proactive steps toward better eye health, contributing to the prevention of vision loss worldwide.



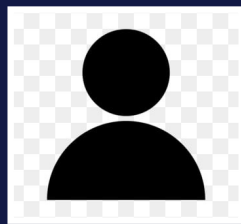
Dr. Mohammed AlBlowi
Clinical Advisor



Dr. Saddam Al-Azani
AI Advisor

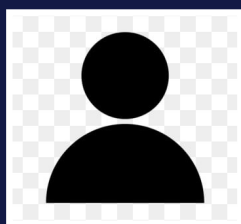


Dr. Osama M Qasim
Coordinator

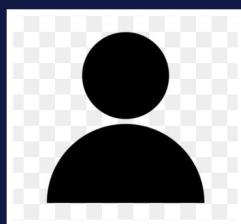


Taghreed Alghamdi
Leader

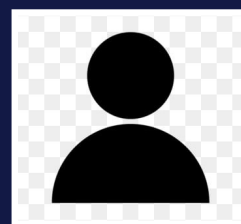
MEMBERS



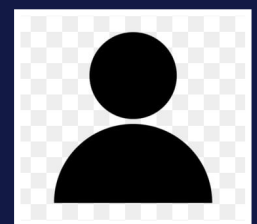
Eman Alrasheed



Abdullah Bin Muqbil



Rana Alsubaie



Tasneem Alotaibi



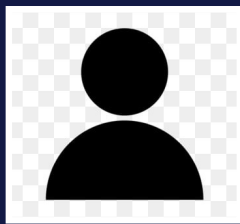
Hackathon Teams

NO. 15

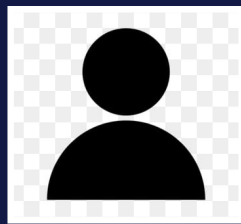
TUWAIQ

Brief (English) 250 characters max

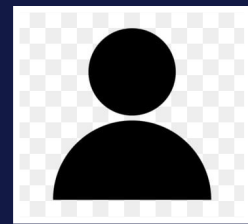
Keratoconus is more prevalent in the Middle East, especially Saudi Arabia. This project aims to develop a machine learning model to predict keratoconus recurrence and high astigmatism (>4- diopters) during a two-year follow-up after keratoplasty.



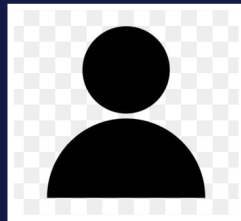
Dr. Mohammed Ahad
Clinical Advisor



Dr. Shujaat Khan
AI Advisor

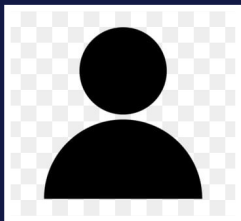


Dr. Osama M. Qasim
Coordinator

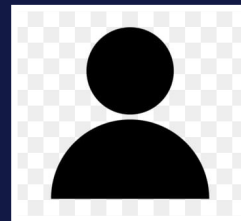


Dr. Norah Abdullah Bin Dakhil
Leader

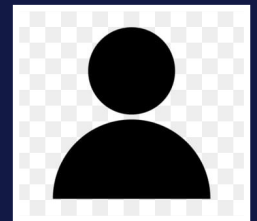
MEMBERS



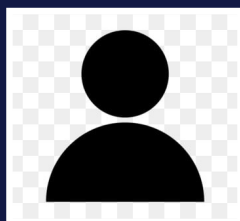
Razan Abdullah Bin Dakhil



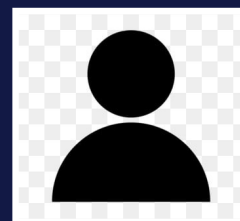
Lujain Abdullah Bin Dakhil



Dr. Atheer Mohammed Alhumud



Dr. Abdulrahman Abdullah Aljebreen



Dr. Khulood Yahya Alyahya

مستشفى الملك خالد
التخصصي للعيون
King Khaled Eye
Specialist Hospital



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والذكاء الاصطناعي
Saudi Data & AI Authority