MINISTRY OF HIGHER EDUCATION MALAYSIA

Please affix passport-sized photograph

MALAYSIA INTERNATIONAL SCHOLARSHIP 2025/2026

APPLICATION FORM

Academic Session	2025/2026
Level Of Study	MASTER
Field of Study	NATURAL SCIENCES, MATHEMATICS AND STATISTICS
Course Applied	Physics
Name of University in Malaysia (option 1)	UNIVERSITI KEBANGSAAN MALAYSIA (UKM)
Name of University in Malaysia (option 2)	UNIVERSITI MALAYA (UM)
Name of University in Malaysia (option 3)	UNIVERSITI TEKNOLOGI MALAYSIA (UTM)
Nationality	PAKISTAN
Proposed/Expected Date of Study Commencement :	01-09-2025

INSTRUCTION TO APPLICANTS

1. Each candidate must print this application form and attached the following documents:

    i. A certified copy of Passport as evidence of nationality;
    ii. A certified copy of Academic Transcript;
    iii. A certified copy of English Language Proficiency (IELTS / TOEFL / acknowledgement from previous university);
    iv. Letter of Recommendation from two (2) referees;
    v. Admission letter from Malaysia University (If applicable);
    vi. Curriculum Vitae; and
    vii. Research Proposal.

2. To complete your application, log in to the MIS online application system and upload this application form along with all the required documents listed above. Click “Save” to submit your application. A notification will appear once the submission is complete. The application and submission for MIS is to be done solely through the online application system.

PARTICULARS OF APPLICANT

Full Name : Maria Arshad	Date of birth : 21-02-2003
Age : 22 Year`s Old	Gender : FEMALE
Passport No./ National Identification No. : MC1916631	Expiry date of passport : 16-04-2030
Nationality (citizenship) : PAKISTAN	Religion : MUSLIM
Marital Status : SINGLE	Number Of Children :

MAILING AND COMMUNICATION ADDRESS

(For notification of result)
Applicant`s Postal Address : p/o dharyala jalip,teh pind dadan khan District jhelum 49080 PAKISTAN
Telephone (Home) : +923145167983
Telephone (Mobile) : +923145167983
E-mail : mariaarshad283@gmail.com
Person to be contacted in case of emergency:
Name : Muhammad Arshad mehmood
Relation : PARENT
Phone : +923099207228
E-mail : mariaarshad283@gmail.com
Address : p/o dharyala jalip,teh pind dadan khan District jhelum 49080 PAKISTAN

ACADEMIC BACKGROUND
(List in order of time, starting with the most recent / last institution attended)

Name of institution and place of study	Major field of study	Years of study	Level	Grade or CGPA
Rawalpindi women university, Rawalpindi Rawalpindi	Physics	2022 to 2024	BACHELOR'S DEGREE	3.7/4
Alberuni govt associate college PD Khan Pind dadan khan, jhelam	Physics + double maths	2019 to 2021	BACHELOR'S DEGREE	538/800
Ayesha girls campus dharyala jalip Dharyala jalip, jhelam	Computer science	2017 to 2019	CERTIFICATE/ COLLEGE	837/1100
Govt girls high school dharyala jalip Dharyala jalip, jhelam	Computer science	2015 to 2017	CERTIFICATE/ COLLEGE	943/1100

ACADEMIC AND FINANCIAL AWARDS
(e.g. Honours, distinction, book prizes, scholarship) won in the last 3 years. Please list in chronological order and submit copies of document(s) for proof.
Leave blank if not applicable

Year	Type of Award (For scholarship obtained, please indicate tenure and value of award)
2025	Aspire Leaders Program alumni
2025	Physics Lecturer in govt college

OTHER ACTIVITIES
(e.g. curricular / volunteer / competition / tournament actvities)
Leave blank if not applicable

Date / Duration	Brief Description	Position Held

PREVIOUS RESIDENCE IN FOREIGN COUNTRY
(Leave blank if not applicable)

Year	Country	Purpose of Stay(e.g. Study/Working)

Have you studied in Malaysia before?
(Leave blank if not applicable)

Year	Level of Study	Institution

FIELD OF STUDY

** Describe the reasons for applying to the course and relate it to your future career plan (not more than 200 words).*

I have completed my bachelors in physics with studying all major subjects of physics After completing my bachelor I worked with my professor on a project of studying materials MnO2 CB for preparation of electrode for energy storage devices I am interested in pursuing higher studies in the field of energy storage devices specially in materials preparation As some Malaysian universities offer physics specially Malaya university Universiti Kebangsaan malaysia and Teknologi university that are highly recommended as best universities for physics so am interested to pursuing MPhil in one of these universityies

RESEARCH / PROJECT *(For thesis based programme only)*

Research Title	Development of GrapheneConductive Polymer Nanocomposites for Enhanced Electrochemical Energy Storage and Nanosensing Applications
Name of Supervisor	ProfDr Dee Chang Fu
Proposed Faculty & University	Universiti Kebangsaan MalaysiaUKM
Problem Statement	Although graphene and conductive polymers such as polyaniline PANI and polypyrrole PPy possess remarkable electrochemical properties their individual shortcomings limit their effectiveness in practical applications like energy storage and nanosensing Graphene tends to agglomerate and restack which diminishes its active surface area and overall electrochemical efficiency Meanwhile conductive polymers often suffer from poor mechanical strength and limited cycling stability restricting their durability in longterm use To address these challenges there is a critical need for innovative materials that not only overcome these limitations but also offer scalable costeffective performance in supercapacitor and sensor technologies Hybrid nanocomposites that combine graphene with conductive polymers have demonstrated promising synergistic effects However further research is needed to refine synthesis techniques optimize structural properties and fully realize their dual potential for both energy storage and sensing applications This study seeks to develop and optimize grapheneconductive polymer nanocomposites with superior electrochemical properties aiming to advance the design of multifunctional materials for nextgeneration energy and sensor devices
Hypothesis	The integration of conductive polymers such as polyaniline PANI with graphene through optimized synthesis techniques will produce nanocomposites with enhanced electrochemical performance These

	materials are expected to exhibit higher specific capacitance greater energy density improved mechanical stability and superior electrochemical sensitivity compared to individual components making them highly suitable for applications in supercapacitors and nanosensors
Expected Impact of Research Project	This research project is poised to significantly advance the field of nanomaterials for both energy storage and sensing technologies Through the synthesis and characterization of graphenebased conductive polymer nanocompositessuch as graphenePANI and graphenePPythe study aims to create hybrid materials exhibiting superior electrochemical properties including increased specific capacitance enhanced energy density improved rate capability and excellent cycling stability These enhanced features make the materials promising candidates for highperformance supercapacitors Moreover their large surface area outstanding electrical conductivity and adjustable surface chemistry are expected to offer remarkable sensitivity and selectivity in nanosensor applications with potential implications in areas like environmental monitoring and biomedical diagnostics The project will effectively bridge the gap between fundamental material synthesis and realworld device applications while also generating valuable insights into the synergistic interactions within graphenepolymer systems Additionally it will promote capacity building and skill development in the domains of nanotechnology and materials science supporting both academic progress and industrial innovation
Summary of Research Contribution	This research advances the development of grapheneconductive polymer nanocomposites tailored for energy storage and sensing applications By improving key electrochemical propertiessuch as specific capacitance energy density and longterm stabilityit supports the creation of highefficiency supercapacitors The nanocomposites excellent electrical conductivity and adaptable surface properties also make them highly suitable for use in sensitive nanosensor technologies Overall the project bridges the gap between material innovation and realworld device integration while promoting deeper scientific insight and capacity building in the fields of nanotechnology and materials science

PROFESSIONAL EXPERIENCE

Current Job/Post	
Year	
Position	currently unemployed
Organization/Company	
Name Of Employer	
Address	
Monthly Salary (USD)	
Job Descriptions:	
Previous Job	
Year	2025
Position	lecturer in physics
Organization/Company	GOVERNMENT
Name Of Employer :	govt associate college for women
Address	Jalalpur sharif, Tehsil Pind Dadan khan district Jhelum 49080 PAKISTAN

PROFICIENCY IN ENGLISH LANGUAGES

Mother-tongue / Native Language	Urdu, English
Bahasa Malaysia *(Malay language)*	
Spoken	BASIC
Written	BASIC

REFERENCE/RECOMMENDATION

You are required to attach two (2) letters of recommendation from two (2) referees. The referees should be people who can comment on your academic, skill, potential and suitability to receive this scholarship (e.g. lecturer, supervisor or immediate superior). They should not be a relative or close friend. Please complete their details below:

Name of Referees	Job Title & Organization	Telephone	E-mail
Dr.Bushera Parveen	Assistant Professor GOVERNMENT	+923219419115	bushra.perveen@f.rwu.edu.pk
Dhanaish Kumar	Lecturer in Physics GOVERNMENT	+923315618309	dkdutt108@gmail.com

DECLARATION

Have you ever been convicted by the Court of Law of any country?: **NO**
If yes, please give brief details :

I certified that my information I provided as part of the application are true, complete and correct to the best of my knowledge and belief.

If accepted to be awarded this scholarship, I undertake to:-

1. Carry out such instructions and abide by such conditions as may be stipulated by the Malaysian government in respect of this scholarship;
2. Follow the course of study, and abide by the rules of Malaysia and of the University in which I undertake to study;
3. Refrain from engaging in political activities, or any form of employment for profit or gain;
4. Submit any progress reports which may be prescribed; and

I also fully understand that the scholarship granted may be subsequently withdrawn if I fail to make adequate progress or for other sufficient cause determined by the Malaysian government.

Signature of candidate:

Name:

Date:

OFFICIAL ACKNOWLEDGEMENT (FOR APPLICANTS WHO HAVE NOT STARTED THEIR STUDY)
(To be completed by a government official from the applicant's home country)

This acknowledgement involves verifying the authenticity of the submitted documents and the information provided in the application form. It must be obtained in one of the following ways, depending on the applicant's current location at the time of application:

(i) If the applicant is currently in their home country – from the Ministry of Foreign Affairs or any other government body/agency of the applicant's home country; OR

(ii) if the applicant is currently in Malaysia – from the Embassy or High Commission of the applicant's home country in Malaysia.

The Government of: _____

Hereby acknowledges (name of applicant) _____

for the application to the MALAYSIA INTERNATIONAL SCHOLARSHIP 2025 and certifies that:

a. The applicant is a national of this country; and

b. All information provided by the applicant is complete and accurate.

Remarks: _____

_____

(Signature and official stamp of the government official)

Name:

Designation:

Department/Ministry Address:

_____

_____

_____

Office Telephone number:

E-mail:

Date:

Please note: This form must be completed with all required documents attached and certified as true copies by a government official of the applicant's country. INCOMPLETE AND/OR UNCERTIFIED FORMS WILL NOT BE PROCESSED.

OFFICIAL ACKNOWLEDGEMENT (FOR APPLICANTS ALREADY STUDYING IN MALAYSIA)
(To be completed by University Registrar)

This acknowledgement involves verifying the authenticity of the submitted documents and the information provided in the application form.

University: _____

hereby acknowledges (name of applicant) _____

for the application to the MALAYSIA INTERNATIONAL SCHOLARSHIP 2025 and certifies that:

a. The applicant is a national of his/her home country;

b. The applicant is currently a student at this university; and

c. All information provided by the applicant is complete and accurate.

Remarks: _____

_____

(Signature and official stamp of the government official)

Name:

Designation:

University:

Office Telephone Number:

E-mail:

Date:

Please note: This form must be completed with all required documents attached and certified as true copies by the University Registrar. INCOMPLETE AND/OR UNCERTIFIED FORMS WILL NOT BE PROCESSED.