

## Fees and Others

Registration/ Admission Fee:	Tk.6,500.00
Semester fee:	Tk.4,500.00
Course fee (15credits/ sem.):	Tk.1,100/Credit
Co curriculum fee:	Tk.4,200.00
Caution money:	Tk.1,500.00
Student Welfare and Development fee:	Tk.8,500.00
Thesis/Research fee:	Tk.2,500.00
Migration fee (if any):	Tk.1,000.00

At the time of admission, a student has to pay a sum of **Tk.45,200/-** [registration/admission fee + semester fee + course fee (15 Credits) + Co curriculum fee + caution money + welfare & development fee + research/seminar fee & migration fee (if any)].

The above mentioned caution money is refundable after the successful completion of the MS degree and clearance of all dues.

## Degree Requirements for MS Degree

For a degree in MS in Renewable Energy Technology (MRET) the student must-

- Complete the total 45 credits or upgraded syllabus and number of credits
- Pass all courses individually with at least D grade
- Have minimum Grade Point Average (GPA) of 2.5 out of 4.0/ second class.

## Others

- The registration is valid for 3 years after the date of registration.
- After successful completion of the course, all the students will be awarded a certificate showing CGPA and transcript showing details of grades obtained in various semesters.
- The IE authority will resolve any other points not mentioned in this document. Application for admission implies agreeing to abide by all rules and regulations of the University and also future decisions of the IE, DU. This brochure is a part of course regulation.

## Form Collection

The application form can be collected from IE office. Applicant can collect and submit the filled-in application form along with counterfoil of deposit slip of **Tk.1,500/-** (One thousand five hundred only) in A/C No. 0200000981215. A/C Name: Director, Institute of Energy, Agrani Bank Ltd., Dhaka University Branch from 20<sup>th</sup> December, 2021, Sunday-Thursday during office hour (10:00AM to 4:00PM).

## Bank draft/ pay order is not acceptable.



## Institute of Energy (IE)

Mokarram Hossain Khondokar Biggyan Bhaban Campus  
University of Dhaka, Dhaka-1000, Bangladesh  
Contact: 01979791155, 9661900 /4570, /4571  
Fax: +880-2-9667222, E-mail: ire@du.ac.bd  
Website: www.univdhaka.edu

# MS in Renewable Energy Technology (MRET)

## Information for Admission Session: 2020-2021, 10<sup>th</sup> Batch



## Institute of Energy University of Dhaka

## MS Program in Renewable Energy Technology

The Institute of Energy (IE), University of Dhaka was established in November 2013 by conversion of erstwhile Institute of Renewable Energy (IRE, 2011). This institute is pioneer in doing research and education in the field of Renewable Energy Technology in Bangladesh since 1981, then known as Renewable Energy Research Centre (RERC). A group of qualified teachers and scholars of University of Dhaka has been making relentless effort to provide quality education in this field. We all strive to educate our upcoming generation, to equip them with valuable and market-oriented know-how for the country. Our goal is to open up opportunity for graduates to contribute in this field for the fourth industrial revolution at global scale.

Development of required manpower in the field of Renewable Energy Technology would cater the ever growing demand. Since 2011, the Institute of Energy has taken up this timely step to introduce an MS program in Renewable Energy Technology (MRET) of 18 months (three semester) duration. This course is open to graduates of multiple disciplines as mentioned in the application requirement.

We believe that this noble venture will perpetuate in materializing the goal of imparting quality education to our students.

### **Basic Features of the Course**

1. Regular MS program 9:00 AM-5:00 PM
2. Semester- 3 (6 months each)
3. Total Credits 45 (1 credit = 15 lectures)

### **Semester One (Total 15 credits)**

MRET-101: Foundation of Energy Engineering - 03 credits

MRET-102: Electrical and Electronic Devices - 03 credits

MRET-103: Climatology -03 credits

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MRET-104: Renewable Energy Technology- 03 credits

MRET-105: Technology and Energy Management for Buildings - 03 credits

### **Semester Two (Total 15 credits)**

MRET-201: Project Management & Research Methodology-03 credits

MRET-202: Energy Economics and Environment - 03 credits

MRET-203: Solar Photovoltaic Energy and Systems- 03 credits

MRET-204: Practical and Laboratory Experiments - 06 credits

### **Semester Three (Total 15 credits)**

MRET-301: Advanced Electronics of Solar Photovoltaic System-3 credits

MRET-302: Solar Thermal Energy and System- 03 credits

MRET-303: Non Renewable Energy Technologies - 03 credits

MRET-304: Thesis/ Project - 04 credits

MRET-305: Internship/Field Visit and Viva Voce - 02 credits

### **Admission Requirements**

40 students will be selected strictly on the basis of merit through **admission test**.

### **Enrollment Requirement**

**Applicants must satisfy the following qualifications:**

4-year B.Sc (Hons.) or 3-year B.Sc (Hons.) with 1-year M.Sc in

- Physics, Applied Physics, Electronics and Communication Engineering
- Chemistry, Applied Chemistry and Chemical Engineering, Bio-Science
- Electrical and Electronic Engineering, Electronics and Communications Engineering, Electronics and Telecommunication Engineering
- Computer Science and Engineering, Nuclear Engineering, Mechanical Engineering, Mechatronics Engineering, Textile Engineering, Civil Engineering

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- Mathematics
- Renewable Energy Technology, Energy Technology
- Earth , Soil and Environmental Science and Technology
- Leather Technology, Petroleum Technology
- Geology, Geography, IT, MIS, Economics, Disaster management and related fields.

**Candidates should have minimum CGPA 2.5 out of 4.0.**

### **Schedule of Admission test & others**

<b>Form collection and submission:</b>	<b>20 Dec, 2021 – 08 Feb, 2022</b> [Except holiday]
<b>Written test:</b>	<b>11 Feb, 2022 Friday</b> [10:00 am - 11:30 am]
<b>Result Publication (Expected):</b>	<b>15 Feb, 2022 Monday</b>
<b>Viva</b>	<b>17 Feb, 2022 Thursday</b>
<b>Last date of Admission:</b>	<b>24 Feb, 2022 Thursday</b>
<b>Orientation (Expected):</b>	<b>28 Feb, 2022 Monday</b>

### **Selection of Candidates**

Candidates will be selected on the basis of merit. Applicants will be evaluated and selected based on a written (MCQ) admission test. It is a competitive test of 100 marks distributed in five sections as follows:

<b>English language</b>	<b>20 marks</b>
<b>Physics</b>	<b>20 marks</b>
<b>Chemistry</b>	<b>20 marks</b>
<b>Mathematics</b>	<b>20 marks</b>
<b>Basic Science</b>	<b>20 marks</b>

**\*The minimum qualifying mark in the written test is 40.**

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