

The 4 year NEP aligned **Bachelor of Vocational (B.Voc.) in Solar Energy Self-Finance Course** was introduced in 2015 by the Department of Physics at Jamia Millia Islamia. This vocational program is specifically designed to make students "work-ready" upon graduation. Vocational education aims to equip students with practical skills and knowledge tailored to specific professions, preparing them to enter the workforce, meet industry demands and contribute to economic growth.

The primary objective of this course is to prepare students for careers in the renewable energy sector, particularly in Solar Energy by providing industry-relevant experience. The students undertake a one-month On-Job Training (OJT) in the 5th semester and a three-month Hands-on Training in the 6th semester, where they gain practical knowledge and skills directly applicable to the field.

Our students have been excelling and making a mark in the industry with their unique blend of practical experience and theoretical knowledge. Many have successfully secured positions at various companies. For instance, 20 students from the 2021-24 batch received paid internships in core solar energy companies and after completing the course, they were placed in companies such as BHAMBRI Solar Pvt. Ltd., Futr Energy Pvt. Ltd., Axel Energy Pvt. Ltd., DIN Engineering Service, and ZunRoof Tech Pvt. Ltd. The highest CTC offered was **4.2 lakh per annum**.

Elon Musk stated on the social media platform X that, in the future, a majority of power generation will be derived from Solar PV systems. According to a report from the Ministry of New and Renewable Energy (MNRE), India has achieved a renewable energy generation capacity of 200 GW, with solar energy contributing over 45%, which equates to approximately 91 GW. In February 2024, Prime Minister Narendra Modi launched the "**PM Surya Ghar Muft Bijli Yojana**", a program aimed at installing rooftop Solar Panels in 10 million households. Under this initiative, each household with a 3-kW Solar PV system, available at a subsidized rate, can generate up to 300 units of electricity per month. This scheme is anticipated to create around 17 lakh direct jobs across various sectors such as manufacturing, logistics, supply chain management, sales, installation, operations and maintenance (O&M).

The Bachelor of Vocational (B.Voc.), specified by UGC and notified in official Gazette of India, dated 19th January 2013, is recognised at par with the other Bachelor level degree for competitive examinations conducted by Union/State Public Service Commission where the eligibility criteria is "Bachelor Degree in any discipline". Students with B.Voc. are also considered eligible for trans disciplinary vertical mobility into such courses where entry qualification is a Bachelor Degree without specific requirement in a particular discipline.



BACHELOR OF VOCATIONAL (B.Voc.) IN SOLAR ENERGY

HIGHLIGHTS

- 1 Industry-Aligned Curriculum with Vocational Training
- 2 Extensive Internship and Industrial Training
- 3 Practical Experience in Solar PV Panel Installation
- 4 Expert Faculty with Industry Experience
- 5 Career-Focused and Job-Ready Program

