

# AGHOREKAMINI PRAKASHCHANDRA MAHAVIDYALAYA



(ESTD - 1959)

ACCREDITED BY NAAC AT B LEVEL

AFFILIATED TO THE UNIVERSITY OF BURDWAN & RECOGNISED BY U.G.C.

SUBHASNAGAR ✦ P.O. - BENGAI ✦ P.S. - GOGHAT

DIST. - HOOGHLY ✦ PIN CODE - 712 611 ✦ W.B.

STD. : 03211 ☎ : 246 235 / 246 772, FAX - 913211 246 772

Website : [www.akpcmahavidyalaya.org](http://www.akpcmahavidyalaya.org) Email : [akpc\\_m@yahoo.co.in](mailto:akpc_m@yahoo.co.in)

## Advertisement for Short-time Project Fellow Position under DST-SERB funded SRG scheme at A.K.P.C. Mahavidyalaya, Bengai, Hooghly

Date: 30.01.2021

Post for a project fellow in a DST-SERB funded project entitled “**Examining quantum transport and quantum entanglement in topological Weyl semimetals and their junctions with superconductors in the presence/absence of high frequency light irradiation.**” is now available at Aghorekamini Prakashchandra Mahavidyalaya, Department of Physics.

### Desirable qualification:

(A) The applicant has to qualify either of the National Eligibility Test (JRF/LS), Graduate Aptitude Test for Engineering (GATE) or any equivalent test that qualifies as the “National Eligibility Test” as per SERB regulations.

(B) This being a short-term project, deep understanding of the fellow on the subject matter is highly desirable.

**Job description:** The fellow needs to have strong theoretical knowledge on Superconductivity and Bose-Einstein Condensation. A basic knowledge on Hubbard model and field theoretic treatment on the same is required as well. The fellow needs to work fast and work towards publishing his/her scientific findings in peer-reviewed journals.

**Project duration:** 2 months.

Interested candidates are requested to apply for the same by sending their work-resume to the principal investigator Dr. Satyaki Kar at [satyaki\\_phys@akpcmahavidyalaya.org](mailto:satyaki_phys@akpcmahavidyalaya.org) or [satyaki\\_phys@gmail.com](mailto:satyaki_phys@gmail.com) ASAP. An online interview is scheduled on 2<sup>nd</sup> February, 2021 (Tuesday) for the recruitment of the fellow.

**Dr. Satyaki Kar**

Principal Investigator  
Assistant Professor,  
Department of Physics  
A.K.P.C. Mahavidyalaya.

Principal  
Aghorekamini Prakashchandra Mahavidyalaya  
P.O.-Bengai, Dist.-Hooghly

**Dr. Paramartha Ghosh**

Principal & Secretary  
A.K.P.C. Mahavidyalaya.  
Bengai, Hooghly,  
West Bengal 712611.