## FACILITIES CREATED UNDER DST-PURSE





## **GeneXpert System**

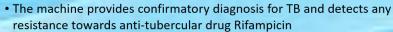
for RNTCP- Designated Microscopy Centre
Sponsored by DST PURSE

## RNTCP- Designated Microscopy Centre at HAHC Hospital, Jamia Hamdard

**Designated Microscopy centre (DMC)** provides Sputum microscopy diagnostic services for every one lakh population and is established by **Revised National Tuberculosis Control Program (RNTCP)**, the tuberculosis (TB) control initiative of the **Government of India** 



- <sup>•</sup>A DMC was established at HAHC Hospital Jamia Hamdard and was inaugurated on 8<sup>th</sup> February 2018.
- The Centre provides sputum smear microscopy and PCR based rapid Molecular diagnostic testing services for all patients absolutely free of cost.
  - Jamia Hamdard has purchased a 4 module GeneXpert (Cartridge Based Nucleic Acid Amplification Test) System from PURSE funds.



- The machine has processed more than 1000 clinical samples till date
- It can provide result in 2.5 hours for 4 samples simultaneously.

Research article published: Pandey V, Singh S, Arora N, Quadir N, Singh S, Das A K, Dudeja M, Kapur P, Ehtesham NZ, Elangovan R, Hasnain S.

See TB: A novel alternative to sputum smear microscopy to diagnose tuberculosis in high burden countries. Scientific Reports. (2019) 9:163712

