Walk-in interview on June 14, 2019, for eligible candidates for selection of RA/ SRA/JRA in the following research areas under the Center of Excellence (COE) in Systems Biology and Bio-medical Engineering, funded by MHRD:

Sl. No.	Research Area	Essential Criteria	Desirable Criteria
1.	Unraveling the design principle of Plant cellular networks	First Class Master's degree in Engineering / Science (Electrical, Electronics, Computer Science, Mathematics, Physics, Chemistry, Bio-Physics or equivalent). At least two years Research experience in the area of systems biology.	Publications in reputed journals in the area of plant systems biology.
2.	Unraveling the design principle of biological systems	First Class Master's degree in Engineering / Science (Electrical, Electronics, Computer Science, Mathematics, Physics, Chemistry, Bio-Physics or equivalent). Students appearing in the final semester examination may also apply (if selected, formal joining will be considered after submission of final results).	Experience in the area of computational systems biology/bioinformatics. Sound programming skills in C/ Python/ Matlab/ R.
3.	Design, fabrication and characterization of biosensors	M. Sc. in Electronic Science / Physics / M. Tech. in electronics.	The candidate should have good understanding of device physics and device fabrication technology along with experience of working in 'Clean Room' facility.
4.	Electronic monitoring of Bacterial growth / cell culture.	Doctoral degree in Biological Sciences with sound knowledge in cell culture and cell growth monitoring. The candidate should have good understanding of cell and tissue culture, experience in DNA and RNA isolation.	Preference will be given for the candidates having familiarity with PCR, Scanning Electron Microscopy, UV-Visible Spectrophotometer, Ultra centrifuge.
5.	Biomedical Signal/Image Processing for Design of Smart Healthcare System	First Class Master's degree in Engineering (Electronics and Communications, Computer Science, Electrical, Optics and Optoelectronics or equivalent). Sound programming skill with C/ MATLAB.	Sound knowledge in biomedical signal/image processing techniques, pattern recognition systems will be an additional advantage.
6.	Machine Learning Approach to Analyse Microarray Data	First Class Master's degree in Engineering / Science (Electrical, Instrumentation, Electronics, Computer Science, Mathematics, Physics, or equivalent). Sound programing skill with C/ Python/ Matlab.	Sound knowledge of machine learning, ANN are required.
7.	3D Imaging for Biomedical applications	First Class M.Tech. with one year work experience in microscopic imaging science OR First Class B.Tech with 3 years work experience. Knowledge of interference microscopy is required.	Knowledge of interference fringe analysis and image science. Conversant in Image processing using MATLAB.
8.	Polarization based Optical Coherence Tomography	M.Sc. (Physics) /M.Tech. (photonics related subjects). Freshers may apply.	Familiarization with OCT principles.

Consolidated monthly assistance will be as per Government agency norms. The decision of the COE will be final. The tenure of Assistantship will be coterminous with the COE project.

Interested candidates should present themselves in the TEQIP Office on the 2nd Floor of the Academic Tower at the A.P.C. Campus of the University, JD-2, Sector III, Salt Lake, Kolkata 700106 at 10:30 am on 14.06.2019, along with a detailed resume and all testimonials in original.