Job Description- Research Assistant Professor (Bioinformatics)

The Division of Medical Research at SRM Medical Collage Hospital and Research Center is looking for bright and enterprising Assistant Professors, with good interpersonal skills, in the field of Bioinformatics.

Requirements:
- Candidates must have an MD or PhD degree with post-doctoral experience in the interdisciplinary field of Biomedical Sciences or other relevant field.
- Extensive skill, knowledge, and experience in the field of bioinformatics and computational biology.
- Good oral and written communication skills
- Strong organizational, analytical and reasoning skills
- Ability to work well and flexibly i.e. autonomously, in small teams, and with a wide range of varying stakeholders
- Ability to see the big picture, whilst still maintaining a focus on detail and implementation. Strong leadership and mentoring skills

The main responsibility of the research Assistant Professor will be to increase the research output of SRM Medical Health Sciences (MHS). They will also help SRM Institute of Science and Technology build successful industrial collaborations that will cater to translational research with community outreach.

Following are the key **roles and responsibilities** of the Assistant Professor:
1. To collect, manage, and study biological and biochemical data at the molecular level using computer software and hardware.
2. To design computer databases and develop algorithms to study and manage data.
3. To analyze large molecular datasets such as raw microarray data, genomic sequence data, and proteomics data for clinical or basic research purposes.
4. To apply for and manage multiple Institutional Grants
5. To contribute in the development of research protocols and budget
6. To liaison with clinicians and other researchers to analyze problems, determine computational solutions as well as help them in analyzing their data and guide on how to maximize the use of their data.
7. To develop new software applications or customize existing applications to meet specific scientific project needs.
8. The candidate should take up administrative responsibilities, including but not limited to, setting up laboratories, handling vendors, managing inventories and coordinating with other departments to improve the University's research output.
9. To communicate research results through conference presentations, scientific publications, or project reports.
10. To instruct others in the selection and use of bioinformatics tools.
11. To work with publicly accessible, commercial, or proprietary genomic, proteomic, or post-genomic databases and compile data for use in activities such as gene expression profiling, genome annotation, and structural bioinformatics.
12. To keep abreast of new biochemistries, instrumentation, or software by reading scientific literature and attending professional conferences.
13. To collaborate with technical specialists to resolve design or development problems.