

**Prof. J. K. Pal**

Ph.D., FNASc., FMASc.

**Director**

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**Graduate Attributes**

**1. Professional knowledge & skills** – In-depth knowledge in life sciences, biotechnology along with research and its application in the field of biotechnology

**2. Planning and Problem-solving abilities** – Application of biotechnology knowledge/skills for designing solutions to investigate health-related issues, enhance sustainable agricultural practices and strategies, develop improved industrial processes including pharmaceutical sector in treatment and prophylactic measures for diseases

**3. Research Skills** – This will facilitate individuals to investigate, design, innovate, develop patents, and conduct highly rigorous research to come up with solutions for health problems, agricultural issues with traditional breeding techniques, industrial challenges including scale up processes, sustainable energy such as biofuels

**4. Communication Skills** – Communicate effectively with professional colleagues, research subjects and members of health care team, encourage stakeholders to invest in sustainable industrial solutions, sensitize farmers and individuals in agricultural sector to adapt state-of-the-art and eco-friendly biotechnological practices

**5. Ethics and Professionalism** – Ethical behavior in research with strict adherence to defined research protocols and professionalism towards colleagues and peers

**6. Social Responsibility** – Demonstrate social commitment through entrepreneurship and innovation for socio-economical development

**7. Environment and sustainability** – Demonstrate proactive approach through entrepreneurship, innovation and eco-friendly practices

**8. Leadership skills** – Demonstrate leadership qualities in professional and organizational interactions with colleagues and team members

**9. Lifelong learning** – Update knowledge and skills through continuous development on professional and personal front.

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