



## 1. INTRODUCTION

### **Background:**

The Bijapur Lingayat District Educational Association (BLDEA) was established in the year 1910. It is a non-profit organization established in the old Bijapur, catering to the educational needs of the poor people within Bijapur district ruled by the Bombay presidency. The Association is nurtured and shaped by great visionaries Dr. P. G. Halakatti, Shri Shri Sanganabasaveshwar Maha Shivayogigalu of Banthanal and Dr. B. M. Patil, a great statesman. Presently 85 institutions are functioning under the aegis of BLDEA in various streams

BLDEA, under the leadership of Dr. B.M. Patil has established Shri. B.M Patil Medical College with 1000 bed teaching hospital in the year 1986 with sole objective of providing quality health care to the needy people of Bijapur district at an affordable price. As the people in this backward region of North Karnataka, were deprived of speciality health care services and they were compelled to go the neighboring district and the State for the treatment of medical ailments, contributing to the financial burden to the family. A new era began in the 1990s, when the elder son of Shri. B.M Patil, Dr. M.B. Patil took over the reins of BLDEA. He conceived the need for establishing a University and strived hard to achieve the same

BLDE (Deemed to be University), then BLDE University came into existence on 29/2/2008, with the sole objective of providing quality Medical Education and meeting the health care needs of the people. Shri B. M. Patil Medical College, Hospital & Research Centre, only constituent college of the University. It has a unitary campus of 71 acres with 22 departments and a teaching hospital with 1218 beds.

The Shri B. M. Patil Medical College has an annual UG (MBBS) intake of 150 seats. PG Programs are offered in 18 disciplines and one Super Specialty Programme in the Department of Urology (M.Ch.). The University offers full time/part-time PhD Programs in Medical and Allied health sciences and innovative fellowships, 46 value-added and Certificate Courses, to enhance skill and employability. The University Medical College comprises of 22 Departments, namely; Department of Anatomy, Physiology, Biochemistry, Medical Pharmacology, Pathology, Microbiology, Community Medicine & Forensic Medicine (Pre & Para clinical departments).

Clinical departments include the Department of Ophthalmology, ENT, Medicine, Surgery, Obstetrics and Gynecology, Orthopedics, Pediatrics, Anesthesiology, Dermatology, Urology, Psychiatry, Respiratory medicine, Radiodiagnosis and Department of Emergency medicine. As a guiding force, we have the proactive Medical Education Unit.

2. **Vision:** To be a leader in providing quality medical education, healthcare and to become an Institution of eminence involved in multidisciplinary and translational research, the outcome of which can impact the health and the quality of life of people of this region

**Mission:**

- To be committed to promote sustainable development of higher education, including health sciences education consistent with statutory and regulatory requirements.
- To be Centre of Excellence with thrust on multidisciplinary and translational research
- Make use of academic autonomy to identify the academic programs that can be dynamic.
- To adopt the global concept of education in the health care sector

**Core values:** To realize its Vision and Mission, the Institution shall nurture certain specific shared values. This includes,


Integrity & Accountability

Teamwork

Collaboration and Communication

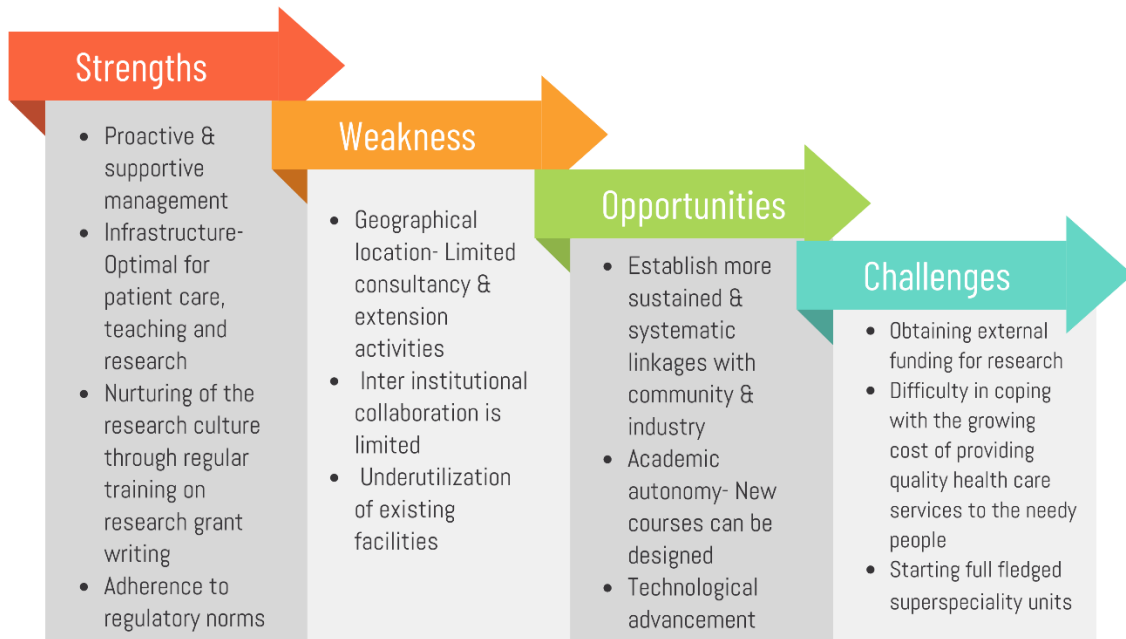
Excellence

Innovation



**REGISTRAR**  
**BLDE (Deemed to be University)**  
**Vijayapura-586103, Karnataka**

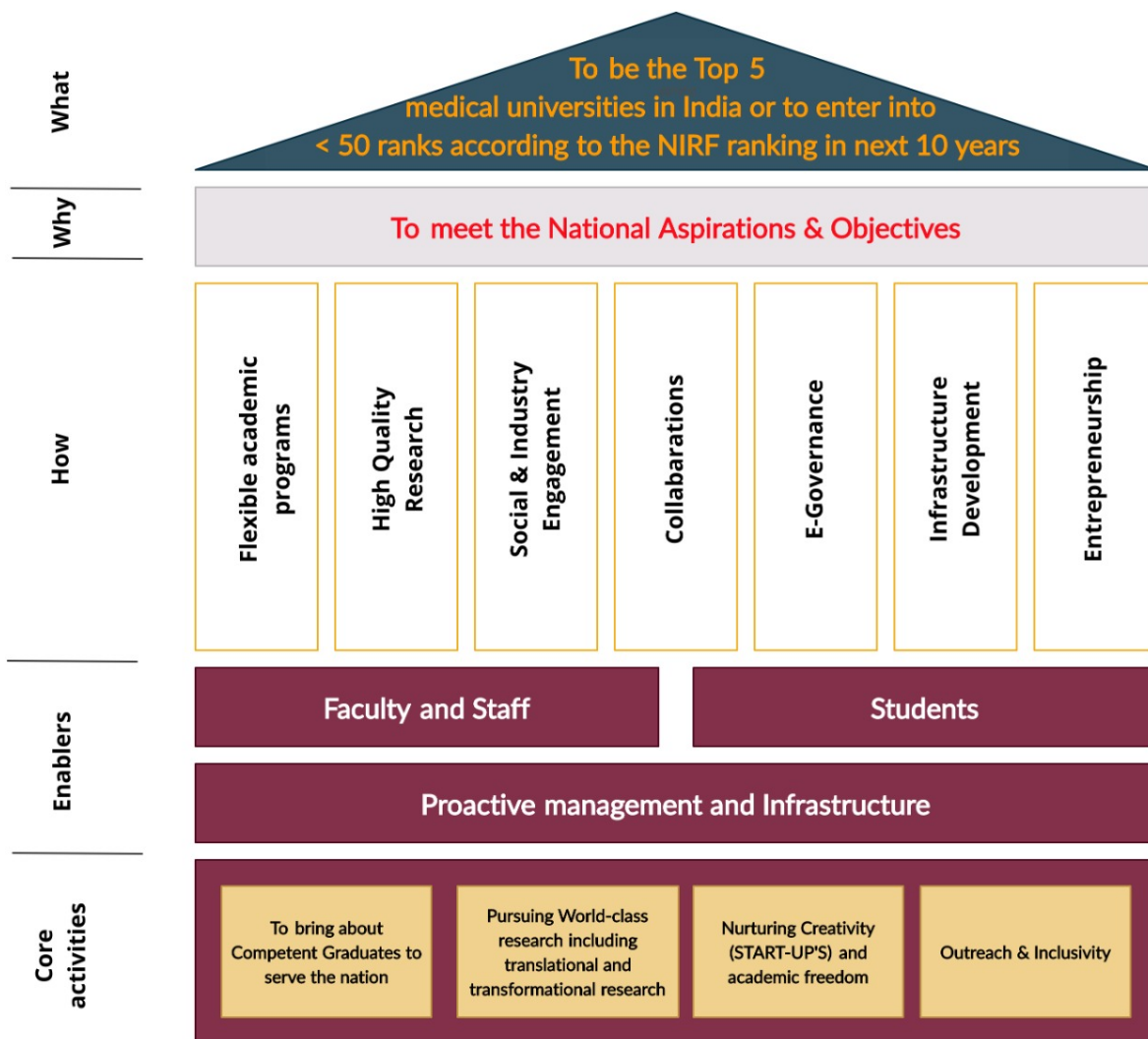
## SWOC ANALYSIS



### Where we stand now/ Achievements from the last cycle

- 37 MOU's with various institutes in India and abroad for research and academic collaboration
- Establishment of Genetic lab and Cadaver lab in the Department of Anatomy
- Digital subtraction angiography and Cath lab facility was made available
- Digital Integrated Campus Network on Optical Fibre Technology
- BLDE University Journal of Health Sciences was started, now it is being listed in the UGC-Care
- Institution of senior and young scientist award to promote research culture
- State of the art central animal house with the approval from CPCSEA for in-house breeding and experimentation
- Research advisory committee, research grant committee was constituted and celebrated research day in 2016 and 2020, to promote research culture among both the faculty and students
- Got the letter of permission to start the MD programs in the Department of Psychiatry, Respiratory medicine and Emergency medicine
- Installed new MRI Signa explorer 1.5 T with PACS and OsiriX MD DICOM viewer

- Superspeciality services are offered in Endocrinology, Cardiology, Cardiothoracic Surgery, Critical care, Neonatology, Paediatric Surgery, Gastroenterology, Nephrology, Neurology and Neurosurgery
- 48 Value added courses along with allied courses like B. Sc (MIT), MHA, MPH, M.Sc. Medical Courses in 5 departments has been started, certificate courses, and fellowships, which are operational even before 2015.
- Upgrading IT facilities within the campus- Lecture halls are provided with new laptops with lecture capturing system. Flip boards & interactive panel for teaching in small groups. Recently Virtual dissection table was installed in the Department of Anatomy for interactive learning
- Wi-Fi facility has been extended to the entire campus.
- Green campus - Digital campus→ Display signage system across the campus
- A customized HIMS (TiaNuMR), which has been developed from scratch. TiaNuMR can search and compile the data as per the needs of individual PG, UG, and faculty research projects and medical records can be maintained as per the norms of regulatory bodies
- Paperless event management system
- Virtual Classrooms and MOOCs are being used
- Centre for advanced medical research, State of the art simulation and clinical skill laboratory and the indoor stadium has been established
- Casualty, Trauma centre, Emergency medicine department, blood bank, new mortuary and NRI hostel are getting ready
- E-governance has been implemented in the finance department, examination section administration including hospital administration and for providing the student support
- 100-bed Superspeciality hospital with State-of-the-art Cath laboratory has been established, and now routinely PCI is being performed
- Increase in the PhD admissions in both faculty of medicine and allied health sciences
- Digitalization of central library with the purchase of various databases and their remote access has been given to the faculty and PG students.
- Started the molecular biology laboratory and NABL accreditation of the same
- Institution of distinguished chair Professor within BLDE(DU)



### 3. Strategic issues, objectives, strategies and outcomes:

#### Strategic issues & objectives:

**Medical education:** To be ONE among the leaders, we need to have a well-planned curriculum, its proper implementation & should have a robust feedback system

- i. At the end of 2021, fully equipped modules of learning using clinical skill lab with high fidelity simulators will be established
- ii. To train the trainers for effective utilization of skills laboratory.
- iii. To utilize the cadaver laboratory for live surgical demonstration especially for Postgraduate training and CSE
- iv. To implement Pedagogical Innovations like Hybrid and Experiential Learning
- v. Enabling learning through evidence-based teaching, mentorship and enriched experiences
- vi. To establish various -Active Learning Centers within the campus by 2021

**Health care:**

- i. To obtain the National Accreditation Board for Hospitals (NABH) for all the services and to receive “National Accreditation Board for Laboratories (NABL)” for all the laboratories by 2021
- ii. To apply for JCI Accreditation by 2021
- iii. To establish full-fledged super speciality services by the end of 2021
- iv. To establish the state-of-the-art trauma centre and casualty including a separate emergency ward with full facilities by 2021
- v. Starting the Robotic Surgery unit & nuclear medicine unit by the end of 2023

**Research & consultancy:**

- i. To increase the research outlay by about 3-5 times the existing university and external funding
- ii. Setting up of new and transformation of existing Center of Excellence’s, aligning them with national priorities like the centre for public health, NCD’s
- iii. Extramural grant per faculty will be tracked – ensuring 20% coverage by the end of 2023
- iv. To achieve the global standards, the percentage of teaching staff opting for PhD (both internal/external) will be increased by at least 30% by the end of 2023

**Collaboration:**

- i. To have MOU’s with leading medical universities in the world like Harvard, Oxford and Stanford for global concepts in education & research by 2023
- ii. Engaging with the community to enhance experiential learning for the students
- iii. Collaboration with the pharmaceutical industry to become a full-fledged clinical trial centre and training of medical graduates in drug development and manufacturing process
- iv. Collaboration with the Alumni to enhance the Institutional perception & capabilities

**Feedback:**

- i. Unbiased feedback will be obtained from all the stakeholders, to improve the quality of our University

**Governance:**

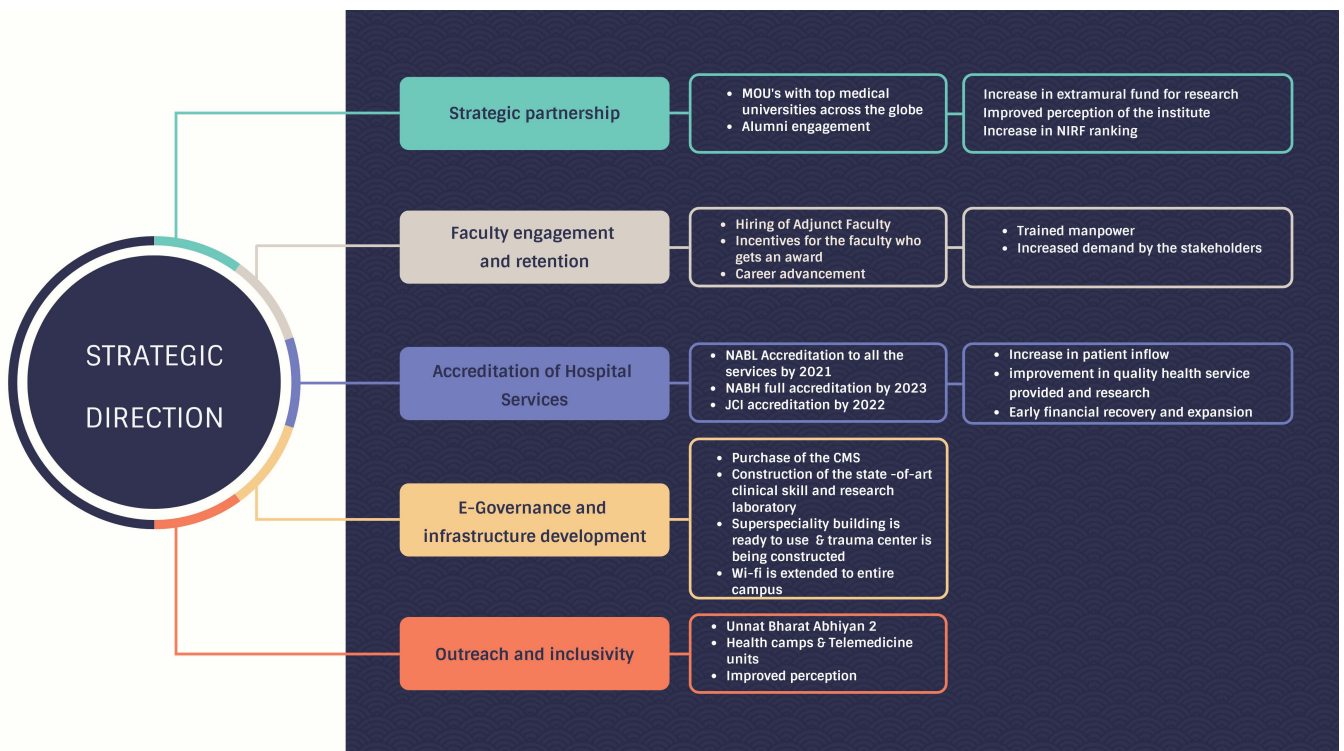
- Flexible and complete e-governance mechanisms will be established by 2021



## Infrastructure:

1. Academic infrastructure will be evolved to foster multi-dimensional, global, social, experiential and interactive learning
2. Incubation centers and grants to enable germination and nurturing of Startups would be set up (It is under process).

To achieve the above Vision and to appear in top 5 medical universities in India or to enter into < 50 ranks according to the NIRF ranking in next 10 years, BLDE(DU) has formulated the following strategies



## Strategic direction:

- a. Strategic Partnerships:** In the area of curriculum planning and development: New programs and courses in collaboration with International Universities, especially with the use of information & communication technology. BLDE(DU) will try to identify International universities to be targeted for twinning programs by creating a mechanism to enable the transfer of credits and launch of these programs by 2022
- b. Faculty Engagement and Retention:** Promotion of faculty to pursue higher-level training in the form of FDP, fellowship etc. With full salary being paid & timely feedback to enhance their growth. Incentives for the faculty, who achieve or bring



recognition/award to the Institute. The hiring of Adjunct Faculty and Emeritus professors to fill the gap between theory and practice of medicine

- c. **Quality check:** IQAC with MEU, will carry out pre & post-test analysis following a training program and recommend the future suggestions

Getting NAAC accreditation with A<sup>+</sup> grade (CPGA= 3.26), achieve better ranking in the NIRF and QS rating

- d. **Outreach and Inclusivity:** Strengthening of Institutional Social Responsibility. Reaching the unreached through the health camps in rural and slum areas

#### **Health care:**

- a. Establishment of policies, procedures & infrastructure necessary for the delivery of quality health care as per statutory norms with the help of NABH and NABL consultants (trainers)
- b. Custom made Hospital Information Management System (HIMS) was procured and installed. Faculty were trained to use the same. It saves time, paper and improves the patient care
- c. Deputation of concerned faculty members for robotic surgery training
- d. Shared decision-making model for patient-centric care
- e. Digital marketing for the services rendered and establishment of full-fledged Telemedicine unit

#### **Research & Consultancy:**

- a. Establish a multidisciplinary team with a shared research interest, guide & support them to obtain extramural research grant from state, national & international funding agencies
- b. Attract researchers and faculty who have interests in multidisciplinary research by web notification or advertising in newspapers
- c. Strengthen shared infrastructure and resources to support research excellence.
- d. Facilitate the community based & translational research
- e. Establishing the MOU's with global leaders for research collaboration & faculty exchange

**Alumni engagement:** Alumni are brand ambassadors of any organization. IQAC with Alumni cell, identify leading consultants, administrators and researchers willing to contribute to the organization. They will contribute for curricular reforms, innovative training and exchange programs between their hospital and BLDE(DU)

Regular meeting with them, even virtually by using App's like Microsoft teams will ensure their involvement in the growth of the organization

**Governance:** Ensuring transparency and accountability with the implementation of e-governance, with the inclusion of external members & teachers within the board of management & other decision-making bodies

**EXPECTED OUTCOMES:**

<b>Pedagogical Innovations:</b>	<b>Target-2023</b>	<b>Target-2025</b>
Percentage of UG programs with the embedded research component	10%	20%
Percentage of Digital component in the course curriculum	<10%	25%
<b>Graduate Outcomes</b>	<b>Target-2023</b>	<b>Target-2025</b>
Graduate Employment Rate	15%	30%
Academic Progression – Further Study	55%	70%

**Health care outcome:** Improved patient satisfaction & demand. Return on investment will be rapid, which helps to expand further both in size and quality

**Collaboration outcome:**

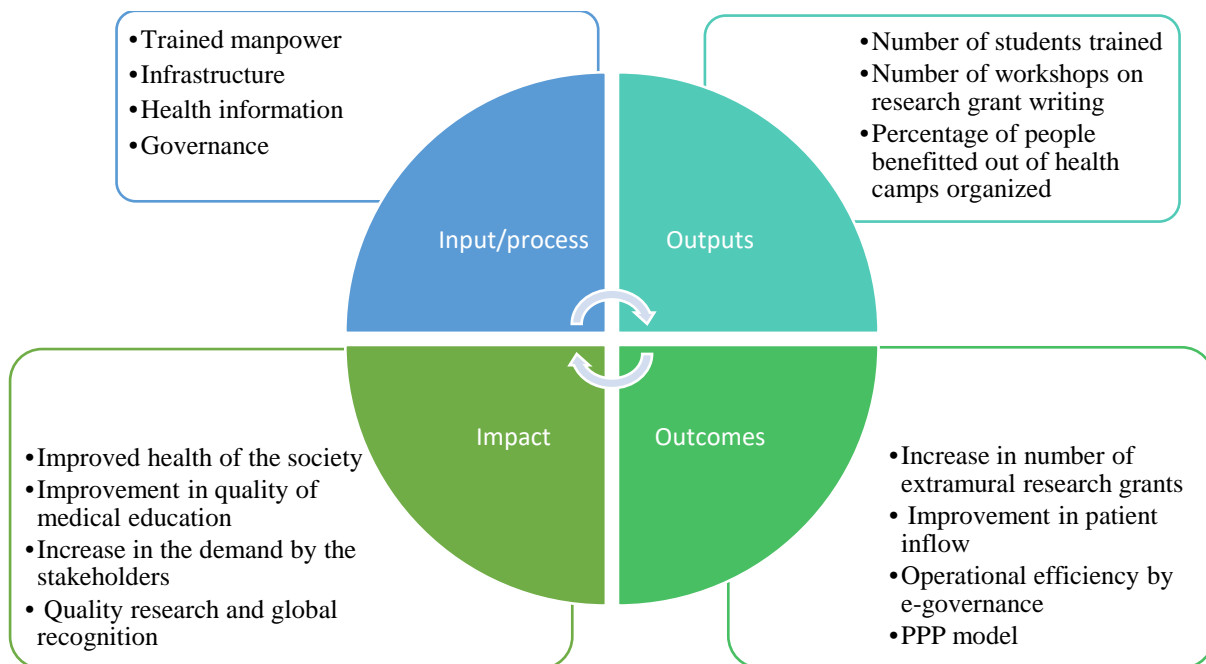
<b>Collaboration</b>	<b>Target-2023</b>	<b>Target 2025</b>
Collaborations with top global medical universities	<b>5</b>	<b>10</b>
Funds from alumni (Alumni collaboration)	<b>1 crore</b>	<b>5 crores</b>
<i>Collaborations with Pharma Industry</i>		
Revenue generated through clinical trials	<b>3 crores</b>	<b>5 crores</b>

**Research excellence:**

<b>Outcome parameters</b>	<b>Target 2023</b>	<b>Target 2025</b>
No of Centre's of Excellence	<b>5</b>	<b>7</b>
<b>Researcher pool availability</b>		
Percentage of faculty with a PhD degree	<b>30%</b>	<b>45%</b>
<b>Research Output</b>		
Average publications per faculty per year	2	4
Average Citations per publication	5	8

Patents filed	10	15
Revenue from research grants	3 crores	5 crores
<b>Research Collaborations</b>		
Percentage of research publications through international collaborations	10%	20%

➤ **Implementation monitoring and evaluation framework**



**Evaluation matrix:**

Outcome	Indicators	Source of information	Methods & tools
Improved quality of research	Number of faculty received grants	Financial documents of the Institution	Pre & post strategy analysis
Increased patient inflow	Number of institutional deliveries or surgeries/admissions	Hospital records	Medical audit with a checklist
Such evaluation should be done from the stage of planning, during implementation & after execution. Results which should be utilized for improving the quality			

**Note:** Time frame and evaluator will be decided by the planning & monitoring board, depending on the evaluated strategy.

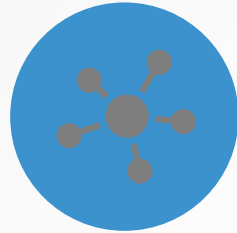


# Research Vision of BLDE (Deemed to be University) for next **5 years** on four foundations (Plan of improvement)



Discovery  
Science

01



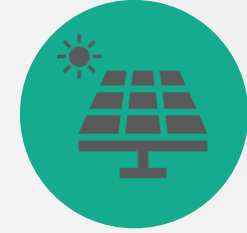
Investing in  
Human  
Resource

02



Fostering  
Collaboration

03



Novel  
Technologies &  
Infrastructure

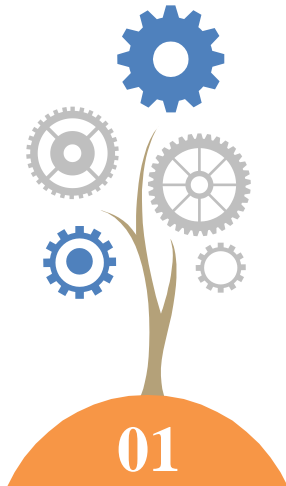
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# Planning for establishing computational Biology and Bioinformatics

## 0-2 Years Form working group & developing roadmap

Objectives: to form research group for key area of bioinformatics



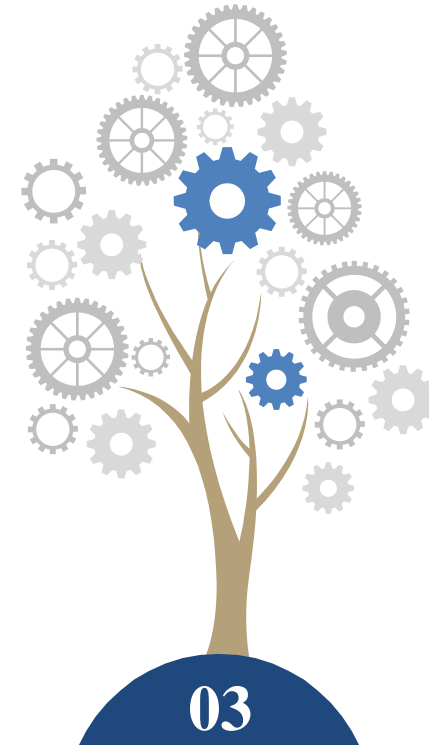
## 2-4 Years Form research clusters

Objectives: To strengthen collaboration among national/international studies

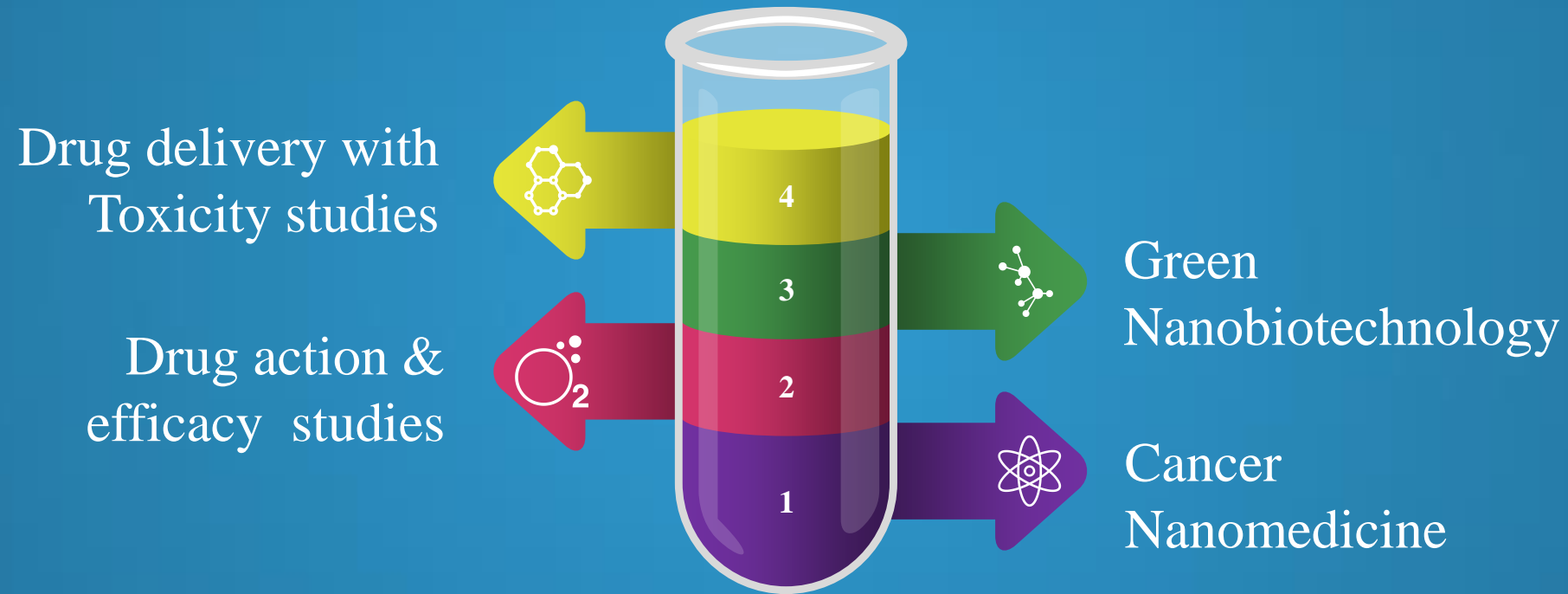


## 4-5 Years Training & Education

Objectives: Strengthen the production of New endogenous scientific knowledge



# Area of Research to be covered by Nanomedicine & Drug delivery



Nanomedicine and Drug development

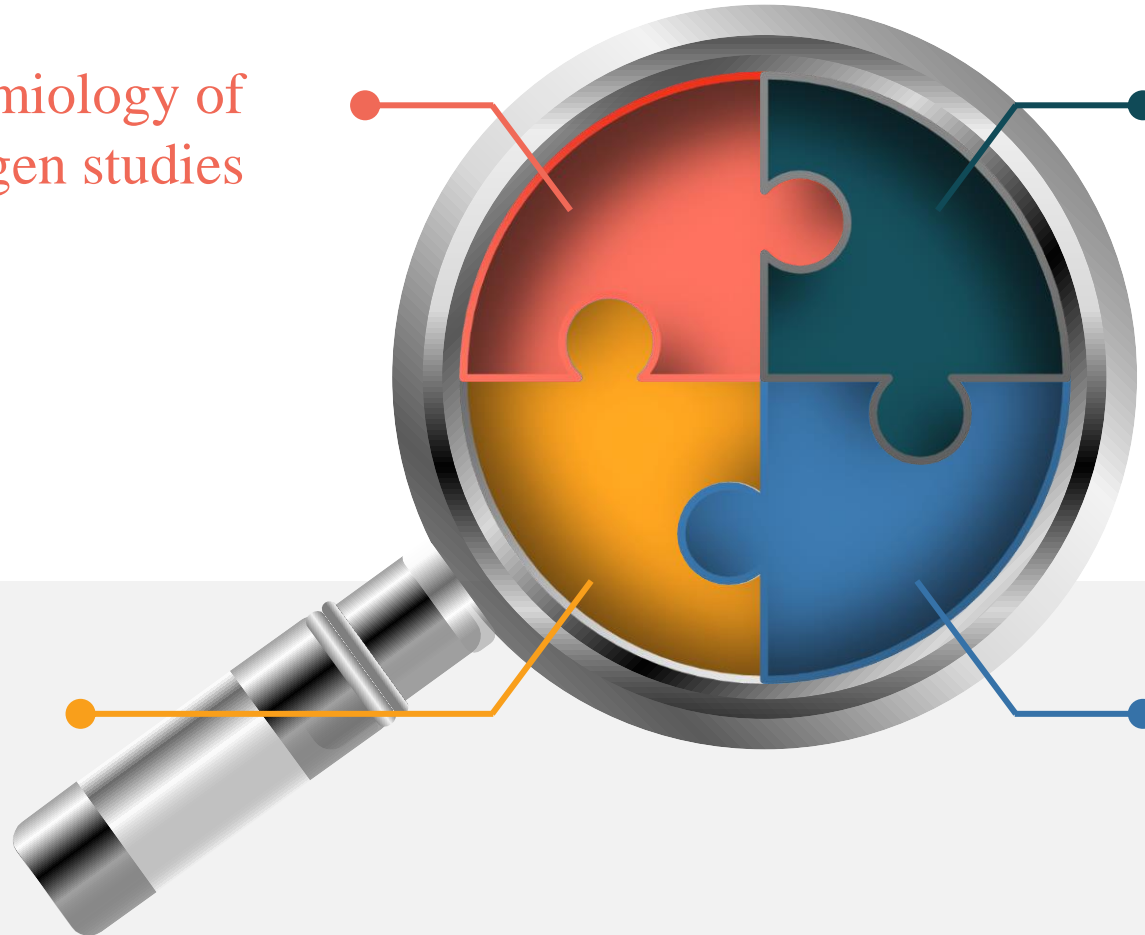




# Infectious disease Unit

Epidemiology of  
Pathogen studies

Investigation of  
Infectious  
pathogen



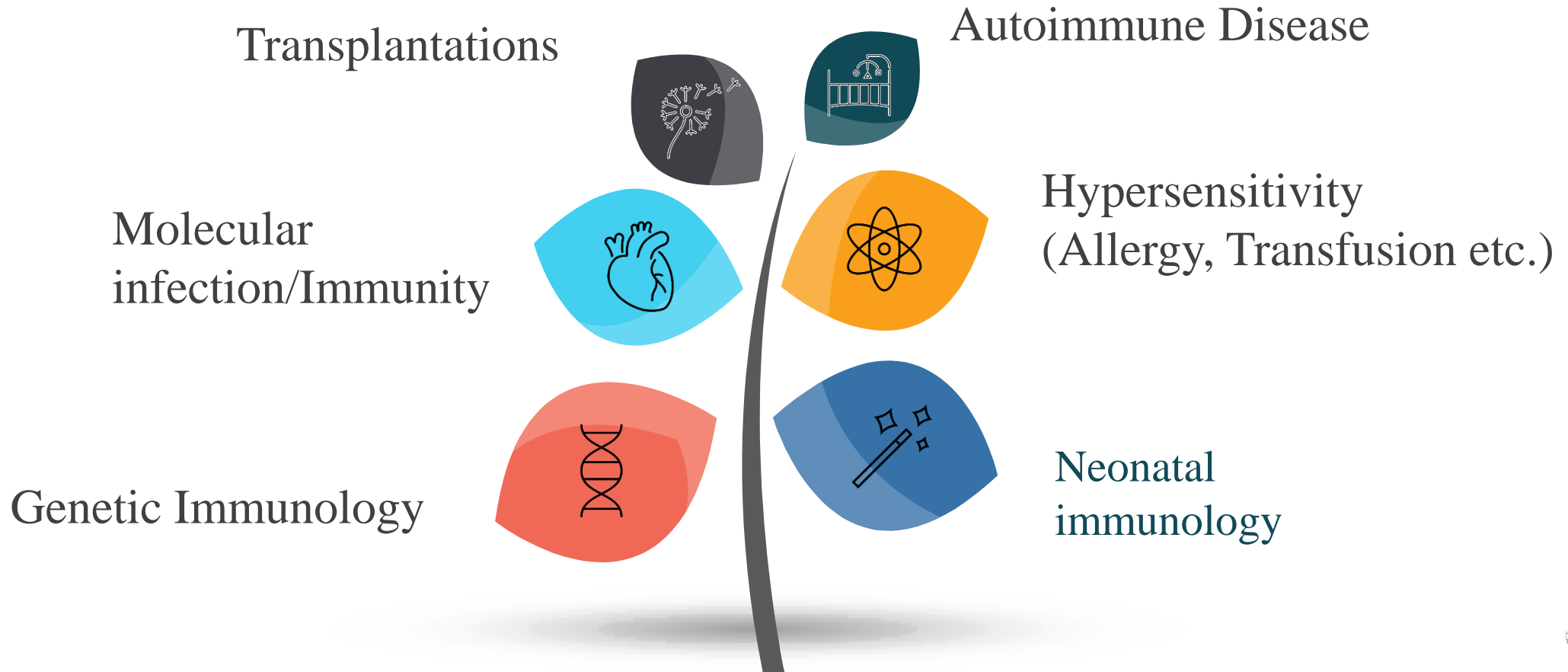
Target drug  
therapy

Analysis of  
molecular/structure-  
biological mechanism for  
Viruses and bacteria





# Immunology Unit





# Action Plan for improvement of Innovation

- Students and faculty involvement in **Innovation & Incubation Workshops**.
- Visits to Nationally renowned **Innovation & Incubation Centers**.
- Financial assistance to “**Startups**”.
- Co-ordination with state and national skill development authority.
- Facilitating innovators with support groups.



- 1. Vision:** To be a leader in providing quality medical education, healthcare & to become an Institution of eminence involved in interdisciplinary & translational research, the outcome of which can impact the health and quality of life of people of this region

## Strategic plan document (Summary)



### 2. Mission

- We are committed to promote sustainable development of higher education, including health sciences education consistent with statutory and regulatory requirements.
- To be center of excellence with thrust on multidisciplinary and translational research
- Make use of academic autonomy to identify the academic programs that can be dynamic.
- To adopt the global concept of education in health sector

### 3. SWOC analysis

**Strengths:** Proactive & supportive management  
Infrastructure- Optimal for patient care, teaching & research

**Weakness:** Geographical location- Limited consultancy & extension activities

**Opportunities:** Academic autonomy & technological advancement

**Challenges:** Difficulty in coping with the growing cost of providing quality health care services to the needy people

### 4. Achievements

- MOU's with various institutes in India & abroad for research collaboration including UNESCO/Unitwin program
- Genetic lab, central animal house & clinical skill laboratory were made available during this period
- Up-gradation of IT facilities within the campus
- Starting of new PG courses in the department of Psychiatry, EM & Respiratory medicine
- Starting of BLDE Journal of Health Sciences & Value added courses

### 5.1 Strategies issues & Objectives

**Medical education:** To bring about the medical graduate who is globally competent & relevant locally by the end of the course

**Health care:** To provide the super specialty services at affordable prices to people of this region

**Research :** Setting up of Centers of Excellence's-aligning them with national priorities

### 5.2 Strategic initiatives

**Medical education-** Fully equipped modules of learning using clinical skill lab - Infrastructure & HR is ready

**Health care:** To establish full-fledged super specialty services by the end of 2021- Work started

To obtain the NABH & NABL accreditation for all the services by the end of 2021- Process has begun

**Research & consultancy:** To increase the research outlay & percentage of teaching staff opting for PhD  
Collaboration: Alumni engagement & industry linkage

### 6. Evaluation & outcome

- **Improved quality of research** - Pre & post analysis of publications & extramural funds after the initiative
- **Increased patient inflow:** Medical audit with the checklist will guide about institutional deliveries & statistics of admissions- Improved health care of the people of this region. Return on investment will be rapid
- Increased demand for the Institution by all the stakeholders— Improved perception & improved NIRF & other ranking process

