

### Report on Impact analysis of the various initiatives

Initiatives	Impact analysis
<b>Academics and teaching learning</b> <ul style="list-style-type: none"> <li>• New Programs introduced</li> <li>• Program Specific Outcomes (PSO's)</li> <li>• Implementation of ICT in Teaching and Learning</li> <li>• As per NEP 2020, Incorporation of <ul style="list-style-type: none"> <li>- MEME</li> <li>- Dual degree programs</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Fellowship in Arthroplasty and arthroscopy</li> <li>• Fellowship in Rheumatology</li> <li>• DM Neonatology</li> <li>• Bachelor in Health Information Management</li> <li>• PSO's are framed for all the PG programs</li> <li>• Number of lectures on Contineo: 2651 and Impartus: 1364</li> <li>• E-courses on National platforms Aastrika: 343 and NCISM: 100.</li> <li>• Approved in 57<sup>th</sup> Academic Council meeting held on 13<sup>th</sup> Dec 2024</li> <li>• Dual degrees in -BPH and BSc biostatistics -BPH and BSc Health informatics</li> </ul>
<b>Research</b> <ul style="list-style-type: none"> <li>• Establishment of Incubation center</li> <li>• Registration of university with IIC</li> </ul>	<ul style="list-style-type: none"> <li>• The Institution has established Incubation center in association with IIT Kanpur headed by Hon. Vice Chancellor. The routine work is managed by Ritesh Deshpande, General Manager, KAHAR Incubation and Innovation Center.</li> <li>• There are total of 18 startup's that are incubated in incubation center</li> <li>• 2022-23: IIC Registration</li> <li>• IIC has star rating</li> </ul>

<b>Governance and management</b>	<ul style="list-style-type: none"> <li>• NIRF 2024: Institute of Dental Sciences: 29, KLE College of Pharmacy Belagavi: 42</li> </ul>
• E-Governance and administrative reforms	<ul style="list-style-type: none"> <li>• ISO certification for Dr. S.G. Desai Library, KAHER:2024-07-04 until 2027-07-03</li> <li>• Institution has been recognized as AIU – Academic and Administrative Development Center by Association of Indian Universities.</li> <li>• Institution has been accredited for Quality Assurance and Institutional Development in Higher Education by QAHE (Quality Assurance in Higher Education) certified by AQS. UK.</li> <li>• Institution was awarded with Certificate of Outstanding Service by R. World Ranking, MHW Ranking 2024 in pursuit of excellence towards being a top institution for campus life and is placed in Diamond + Band</li> </ul>



**Prof. (Dr.) M.S. Ganachari**  
Registrar



Ref. No. KAHER/MF-2/23-24/D-02012402

29<sup>th</sup> December, 2023

To

The Members,  
**Academic Council,**  
KAHER.  
**Belagavi.**

Dear Sir / Madam,

**Sub: Minutes of the 54<sup>th</sup> meeting of the Academic Council of the KAHER, Deemed-to-be-University, Belagavi.**

Kindly find enclosed the minutes of the **54<sup>th</sup>** meeting of the **Academic Council** of the KAHER, Deemed-to-be-University, Belagavi held on **24<sup>th</sup> November, 2023.**

We request you to kindly go through the same and inform the undersigned regarding modifications/corrections, if any, to be made in the same, within two weeks from the date of this letter. If no communication is received from your end, it will be presumed that you have approved the same.

Thanking you,

With kind regards,



Yours faithfully,

**Prof. Dr. M.S. GANACHARI**  
**Registrar**

Encl: As above.

- CC to: 1. The PA to Hon. Chancellor, KAHER, Belagavi.  
2. The Special Officer to Hon. Vice-Chancellor, KAHER, Belagavi

**KLE ACADEMY OF HIGHER EDUCATION AND RESEARCH**

(Deemed-to-be-University established u/s 3 & 12B of the UGC Act, 1956)

Accredited **A' Grade** by NAAC (3<sup>rd</sup> Cycle)

Placed in **Category 'A'** by MoE (GoI)

***PROCEEDINGS OF THE 54<sup>th</sup> MEETING OF THE ACADEMIC COUNCIL HELD  
IN THE ACADEMIC COUNCIL HALL OF THE KAHER ON 24<sup>TH</sup> NOVEMBER 2023***

**MEMBERS PRESENT:**

(As per the Attendance Sheet)

Dr. M. S. Ganachari, Registrar and Member-Secretary welcomed the distinguished members for 54<sup>th</sup> meeting of the Academic Council. He also informed that the external members viz. Dr. Sharath Kumar Rao K, Dr. Alladi Mohan, Dr. Sohan S.Chitlange are attending the meeting On-line and requested the Chairman to chair and conduct the meeting as per the Agenda.

Hon. Vice-Chancellor welcomed the distinguished members and briefed the members with the following information:

- The KAHER has been focusing on research activities and publications for which various schemes have been introduced for financial grants to the faculty, students and research scholars to boost the research activities and publications.
- Apart from the research activities, academic activities also need to be strengthened.
- In view of revision in the course curriculum / scheme of examination as a part of innovation by the respective Regulating Councils, the concerned constituent units need to implement the same accordingly from time to time by incorporating the same in the concerned course curriculum.
- The UDEHP, Department of Medical Education and other educational units are functioning very well for faculty development programs for professional growth and development of the staff and students.
- The KAHER is planning to establish a separate department / division for Evidence Based Health Science, where in the Department or Division will exclusively focus on systematic and meta-analysis in various faculties. And from next year onwards, there should be at least 50 publications based on systematic and meta-analysis from each constituent unit. Hon. Vice Chancellor, requested the Committee to deliberate and give suggestions regarding the same.

The Agenda was taken up for discussion and consideration:

**AC/LIV/01/23**      *Confirmation of the minutes of the 52<sup>nd</sup> meeting of the Academic Council held on 21<sup>st</sup> March 2023.*  
- **Confirmed.**

**AC/LIV/02/23**      *Confirmation of the minutes of the 53<sup>rd</sup> meeting of the Academic Council held on 4<sup>th</sup> June 2023.*  
- **Confirmed.**

**AC/LIV/03/23**      *Action taken on various decisions taken in the 52<sup>nd</sup> meeting of the Academic Council held on 21<sup>st</sup> March 2023.*  
- **Noted and taken on records**

**AC/LIV/04/23**      *Action taken on various decisions taken in the 53<sup>rd</sup> meeting of the Academic Council held on 4<sup>th</sup> June 2023.*  
- **Noted and taken on records.**

**AC/LIV/05/23**      **Agenda for ratification:**

Ratification of the action taken by the competent authority of the Deemed-to-be-University with regard to award of Doctor of Philosophy (Ph.D.) Degree for the period from 21<sup>st</sup> March 2023 to 23<sup>rd</sup> November 2023.

**Resolution:**

Resolved to ratify the action taken by the competent authority of the Deemed-to-be-University with regard to award of Doctor of Philosophy (Ph.D.) Degree for the period from 21<sup>st</sup> March to 23<sup>rd</sup> November 2023 as enclosed to the Agenda (Annexure-III).

Ratification of the action taken by the competent authority of the Deemed-to-be-University with regard to implementation of MBBS First Professional Year Curriculum for 2023-24 batch as per new 2023 CBME guidelines.

**Resolution:**

Resolved to ratify the action taken by the competent authority of the Deemed-to-be-University with regard to implementation of MBBS First Professional Year Curriculum for 2023-2024 Batch as per new 2023 CBME guidelines.

AC/LIV/06/23

**Agenda for information:**

Reporting of the important activities conducted by KAHER for the period from 5<sup>th</sup> June 2023 to 23<sup>rd</sup> November 2023.

Dr. M. S. Ganachari, Registrar made presentation with regard to the important activities conducted by KAHER for the period from 5<sup>th</sup> June 2023 to 23<sup>rd</sup> November 2023. He informed that KAHER has been granted with DSIR Certificate by Department of Scientific and Industrial Research (GoI) and 12B Status by University Grants Commission, which recognizes the KAHER for its higher standards of research. The grant of 12B status makes the faculty, students and research scholars eligible to receive grants from the University Grants Commission (Government of India) or any organization receiving funds from Central Government for conduct of various research and academic activities. This will provide significant boost for our research initiative and infrastructure development of the KAHER (University).

Hon. Vice-Chancellor informed that the KAHER has also applied to Scientific and Industrial Research Organization (SIRO) for certification so as to avail custom duty exemption on the equipments procured for research.

Reporting of submission of information pertaining to inclusion of new institutions under the ambit of KAHER through DTBUMP.

Dr. M. S. Ganachari, Registrar informed that the process has been initiated with regard to inclusion of new institutions viz., KLE JGMM Medical College and Hospital, Hubballi, KLE College of Physiotherapy, Hubballi and KLE Homoeopathic Medical College and Hospital, Belagavi under the ambit of KAHER through the Deemed-to-be-University Monitoring Portal (DTBUMP) for notification by the Government of India, Ministry of Education.

Reporting of admission process initiated for Doctor of Philosophy (Ph.D.) Program for the academic year 2023-24.

Dr. Sheetal Harakuni, Deputy Director representing Director, Academic Affairs made presentation with regard to the admission process initiated for Doctor of Philosophy (Ph.D.) program for the academic year 2023-24. The details are as follows:

Total applications received: 119

Total candidates appeared for Entrance Examination: 101

Total candidates passed in the entrance exam: 93 (92.08%)

In response to the clarifications sought by the distinguished members, Hon. Vice-Chancellor replied that:

- a. The procedure laid down by KAHER with regard to admission and grant of Ph.D. Degree is strictly as per the UGC Ph.D. Regulations.
- b. The candidates who have passed the Entrance Test conducted at National Level will be directly admitted to Ph.D. program.
- c. The KAHER considers payment of stipend to Full-Time Research Scholars by offering them JRF.
- d. The Half Yearly Progress Report submitted by the Research Scholars will be reviewed by the Doctrine Committee at the college level and 1<sup>st</sup> ,midterm and & 2<sup>nd</sup> open house by the Research Scientific Committee at the university

#### **Agenda for Consideration:**

**AC/LIV/07/23**

Consideration of approval of starting of new academic programs / courses / curriculum.

#### **Faculty of Medicine:**

- 1) MD Emergency Medicine (Clinical)
- 2) Fellowship in Arthroplasty & Arthroscopy
- 3) Fellowship in Rheumatology

Dr. N.S.Mahantashetti, Dean, Faculty of Medicine and Principal, JNMC made presentation with regard to approval of starting of new academic programs / courses / curriculum as per the scope and demand and also taking into consideration the patient care in emergencies for the aforesaid programs / courses / curriculum.

She informed that Fellowship in Arthroplasty & Arthroscopy and Fellowship in Rheumatology have course duration of one year. Since we have no takers or less takers in the said courses it is decided to start the course in Hybrid mode with practical component Off-line.

The same was discussed and approved in the Faculty of Medicine Meeting held on 25<sup>th</sup> September 2023 and recommended for the same.

The Dean, Faculty of Medicine informed that starting of On-line Certificate Course in Geriatric Medicine and Gerontology has been postponed due to non-availability of Faculty for the said course. The external members suggested starting the course as an Inter-disciplinary Program with the involvement of faculty members from Dental, Ayurveda and other faculty as there is a good scope for the Geriatric Medicine and Gerontology. Hon. Vice-Chancellor suggested the Dean to report the same in the next meeting.

The Dean, Faculty of Medicine also informed that MSc. Clinical embryology which was approved to start in the previous academic council meeting will be started in the next academic year i.e., from 2024 onwards.

**Resolution:**

Resolved to approve the starting of following new academic programs / courses / curriculum under the Faculty of Medicine. MD Emergency Medicine (Clinical) from the academic year 2023-24 and the Fellowship courses from the academic year 2024-25 as per the course curriculum of the respective programs / courses.

- 1) MD Emergency Medicine (Clinical)
- 2) Fellowship in Arthroplasty & Arthroscopy
- 3) Fellowship in Rheumatology

Hon. Vice-Chancellor suggested the Dean, Faculty of Medicine to explore the information from IGNOU University, where the course on Geriatric Medicine is already existing and the same can be explored at KAHER/JNMC.

**AC/LIV/07/23**

Consideration of approval of starting of new academic programs / courses / curriculum.

**Faculty of Ayurveda:**

- Implementation of NCISM Curriculum and Syllabus for 2<sup>nd</sup> Year Professional BAMS
- Post-Graduate Diploma in Yoga Studies by the Department of Swasthavrittha

Dr. P.G. Jadar, Dean, Faculty of Ayurveda made presentation with regard to approval of change in curriculum as per the implementation of NCISM for 2<sup>nd</sup> Year Professional BAMS. The Dean, informed that in order to bring transformation in Ayurveda Education, NCISM has developed outcome based education for 2<sup>nd</sup> Professional BAMS where the teaching schedule is completely framed with new reforms focusing on learning methodology. The dean informed that as per the Notification of Board of Ayurveda, NCISM the new implemented syllabus for the batch 2021 needs to be revised for every 5 years or until further notification from NCISM whichever is earlier. Accordingly, the BAMS – I & II Professional syllabus has been prepared and implemented from the academic year 2022 (Batch) onwards.

The Dean also informed that there is a need to start PG Diploma in Yoga Studies for the promoting positive healthy life style. The same was discussed and approved in the Faculty of Ayurveda Meeting held on 27<sup>th</sup> September 2023 and recommended for the same.

**Resolution:**

Resolved to approve the change in the curriculum as per the implementation of NCISM for 2<sup>nd</sup> Year Professional BAMS to start under the Faculty of Ayurveda from the academic year 2023-2024. The council recommended to revise the curriculum as per the University guidelines, and include the changes as and when recommended by NCISM.

The members of Academic council raised few concerns on the content and assessment of the course on Post-Graduate Diploma in Yoga Studies. The council suggested to reframe the course content and assessment, and put forth in next academic council meeting.

**AC/LIV/08/23**

Consideration of revision in the course curriculum of the following courses:

**Faculty of Medicine:**

- CBME based PG Curriculum in the following subjects:

- 1) Pre-Clinical Subjects (Anatomy, Physiology and Biochemistry).
- 2) Para-Clinical Subjects (Pathology, Pharmacology and Microbiology)
- 3) Clinical Subjects (Medicine, Paediatrics, Orthopaedics and Psychiatry).
- 4) Diploma in Ophthalmic Medicine and Surgery (DOMS)

Dr. N. S. Mahantashetti, Dean, Faculty of Medicine made presentation with regard to revision of Post-Graduate competency based Curriculum for Pre, Para and Clinical subjects based as per the National medical Council and revision of Curriculum for Diploma in Ophthalmic Medicine and Surgery (DOMS). She informed that as per NMC revised competency based guidelines issued in August 2022, there has been major changes in CBME PG curriculum for the aforesaid subjects.

The same was discussed and approved in the Faculty of Medicine Meeting held on 25<sup>th</sup> September 2023 and recommended for the same.

**Resolution:**

Resolved to approve the revision of CBME based PG Curriculum for Pre, Para and Clinical subjects in the following subjects for the students admitted from the academic year 2023 batch onwards and also the revision of Curriculum in Diploma in Ophthalmic Medicine and Surgery (DOMS) for the students admitted from the academic year 2022-2023 batch onwards.

- CBME based PG Curriculum in the following subjects:

- 1) Pre-Clinical Subjects (Anatomy, Physiology and Biochemistry).
- 2) Para-Clinical Subjects (Pathology, Pharmacology and Microbiology)
- 3) Clinical Subjects (Medicine, Paediatrics, Orthopaedics and Psychiatry).
- 4) Diploma in Ophthalmic Medicine and Surgery (DOMS)

**AC/LIV/08/23**

Consideration of revision in the course curriculum:

**Faculty of Inter-disciplinary Science and Allied:  
As per Choice Based Credit System:**

- 1) B. Sc. in MLTC
- 2) B.Sc. in Cardiac Care Technology
- 3) B.Sc. in Radiography
- 4) B.Sc. in Anaesthesia Technology
- 5) B.Sc. in Neuroscience Technology
- 6) B.Sc. in Renal Dialysis Technology
- 7) B.Sc. in Perfusion Technology
- 8) B.Sc. in Optometry
- 9) B.Sc. in Radiation Therapy Technology
- 10) B.Sc. in Critical Care Technology
- 11) B.Sc. in Emergency Medicine Technology
- 12) B.Sc. in Respiratory Care Technology
- 13) B.Sc. in Endoscopy Technology
- 14) B.Sc. in Biostatistics
- 15) B.Sc. in Nutrition
- 16) B.Sc. in Hotel Management and Catering Technology
- 17) Bachelor of Occupational Therapy
- 18) Revision of all Music Courses Syllabus
- 19) Bachelor of Fine Arts

Dr. R. B. Nerli, Dean, Faculty of Inter-disciplinary Science and Allied made presentation with regard to revision in the course curriculum by implementing Choice Based Credit System (CBCS) for all B.Sc. Allied Programs, B.Sc. in Hotel Management and Catering Technology, Bachelor of Occupational Therapy, Music Courses and Bachelor of Fine Arts, in order to provide wider options and seamless mobility across the students, from the academic year 2023-2024 (as per the letter issued by the UGC and MHRD).

The same was discussed and approved in the Faculty of Inter-disciplinary Science and Allied Meeting held on 3<sup>rd</sup> October 2023 and recommended for the same.

**Resolution:**

Resolved to approve revision of CBCS based course curriculum for the following B.Sc. Allied Courses / Programs from the academic year 2023-2024:

- 1) B. Sc. in MLTC
- 2) B.Sc. in Cardiac Care Technology
- 3) B.Sc. in Radiography
- 4) B.Sc. in Anaesthesia Technology
- 5) B.Sc. in Neuroscience Technology
- 6) B.Sc. in Renal Dialysis Technology
- 7) B.Sc. in Perfusion Technology
- 8) B.Sc. in Optometry
- 9) B.Sc. in Radiation Therapy Technology
- 10) B.Sc. in Critical Care Technology
- 11) B.Sc. in Emergency Medicine Technology
- 12) B.Sc. in Respiratory Care Technology
- 13) B.Sc. in Endoscopy Technology
- 14) B.Sc. in Biostatistics
- 15) B.Sc. in Nutrition
- 16) B.Sc. in Hotel Management and Catering Technology
- 17) Bachelor of Occupational Therapy
- 18) Revision of all Music Courses Syllabus
- 19) Bachelor of Fine Arts

**AC/LIV/09/23**

Consideration for approval of new Value-Added Courses.

**Faculty of Medicine:**

- Early orientation of MBBS Under-Graduate students to Minimally Invasive Surgical Techniques, for integrating clinically relevant Anatomy with conventional gross Anatomy.
- Physiological Intercepts of Yoga
- Critical Event Management
- Diabetic Foot Disease
- Ethics & Communication Skills
- Glaucoma – silent thief of sight – Learn to screen
- CVI-Cerebral Visual Impairment
- Basics in Dermoscopy
- Management of exam anxiety
- Primary care in fracture management
- Principle of fracture fixation
- Medical Photography

- Basics in Pulmonary function testing
- Hands on training on Echocardiography

Dr. N. S. Mahantashetti, Dean, Faculty of Medicine made presentation with regard to approval of new Value-Added Courses for orienting Under-Graduate and Post-Graduate (UG & PG) students.

The same was discussed and approved in the Faculty of Medicine Meeting held on 25<sup>th</sup> September 2023 and recommended for the same.

**Resolution:**

Deferred to reconsider the Value added courses as some of the courses were earlier submitted to IQAC. It was suggested to verify the courses that were earlier submitted to IQAC and seek approval in next academic council.

**AC/LIV/09/23**

Consideration for approval of new Value-Added Courses.

**Faculty of Pharmacy: At KLE College of Pharmacy, Bengaluru**

- Analytical Method Development and Validation
- Regulatory guidelines for Pharmaceutical Products: An e-governance perspective
- Fundamentals of Pre-clinical Studies and Scientific Writing
- Communication in Clinical Research
- In-Silico Drug Design

Dr. M.S. Ganachari, Dean, Faculty of Pharmacy briefed with regard to approval of starting of new Value-Added Courses for Undergraduate students at KLE College of Pharmacy at Bengaluru.

The same was discussed and approved in the Faculty of Pharmacy Meeting held on 29<sup>th</sup> September 2023 and recommended for the same.

**Resolution:**

Resolved to approve the starting of following new Value-Added Courses for UG students from the academic year 2023-24 at KLE College of Pharmacy, Bengaluru.

- Analytical Method Development and Validation
- Regulatory guidelines for Pharmaceutical Products: An e-governance perspective
- Fundamentals of Pre-clinical Studies and Scientific Writing
- Communication in Clinical Research
- In-Silico Drug Design

**AC/LIV/09/23**

Consideration for approval of new Value-Added Courses.

**Faculty of Ayurveda: At KLE HMC, Belagavi**

- Professionalism and Health Care Ethics
- Basic of Food Science and Nutrition

Dr. P. G. Jadar, Dean, Faculty of **Ayurveda** made presentation about the objective of the aforesaid value-added courses proposed to be started at KLE Homoeopathic Medical College and Hospital, Belagavi where the students can gain more holistic perspective, better understanding of current challenges, as well as to gain and develop innovative and creative skills by introducing the aforesaid programs as Value Added Course.

The same was discussed and approved in the Faculty of Ayurveda meeting held on 27<sup>th</sup> September 2023 and recommended for the same.

**Resolution:**

Resolved to approve the starting of following new Value-Added Courses for BHMS – I and BHMS – IV Professional students from the academic year 2023-2024.

- Professionalism and Health Care Ethics (BHMS I Year)
- Basic of Food Science and Nutrition (BHMS II Year)

**AC/LIV/09/23**

Consideration for approval of new course in Extra Mural Studies.

**Faculty of Inter-disciplinary Science:**

- Extra Mural course on Organ Donation

Dr. R. B. Nerli, Dean, Faculty of Inter-disciplinary Science and Allied made presentation with regard to approval of starting of new Course in Extra Mural Studies on Organ Donation. The students who are studying in Degree Colleges and also Graduates from any health science faculty can join the course.

The same was discussed and approved in the Faculty of Inter-disciplinary Science and Allied Meeting held on 3<sup>rd</sup> October 2023 and recommended for the same.

**Resolution:**

Resolved to approve the starting of new Course in Extra Mural Studies on Organ Donation for the students studying in Degree Colleges and also Graduates from any faculty from the academic year 2023-24.

**AC/LIV/10/23**

**Cancellation of Electives and Value-Added course to be discontinued in Value-Added Courses.**

Dr. P.G. Jadar, Dean, Faculty of Ayurveda made presentation with regard to cancellation of existing Electives and value added and choice-based credit courses which are applicable for 2021 batch. He informed that as per the new NCISM Gazette Notification, as on now, total **26 new elective courses** based on Outcome Based Education (OBE) have been introduced as a part of BAMS course curriculum. The electives will be conducted as On-line Programme.

The same was discussed and approved in the Faculty of Ayurveda Meeting held on 27<sup>th</sup> September 2023 and the curriculum is placed for the approval.

**Resolution:**

Resolved to approve cancellation of existing value added and choice-based credit courses which are applicable for 2021 admitted batch students, after introduction of 26 new elective courses based on Outcome Based Education (OBME) as a part of BAMS course curriculum. The same is applicable to the students admitted for the academic year 2022-23.

**AC/LIV/11/23**

**Change in Nomenclature from B.Sc. Hotel Management and Catering Technology to Bachelor of Hotel Management and Catering Technology from the academic year 2023-2024 and change in duration from 3 years program to 4 years.**

Dr. R.B. Nerli, Dean, Faculty of Inter-disciplinary Science and Allied made presentation with regard to change in the nomenclature from B. Sc. Hotel Management and Catering Technology to Bachelor of Hotel Management and Catering Technology from the academic year 2023-2024 and change in duration from 3 years program to 4 years.

The same was discussed and approved in the Faculty of Inter-disciplinary Science and Allied Meeting held on 3<sup>rd</sup> October 2023 and the curriculum is placed for the approval.

**Resolution:**

The proposed change is deferred, as it would lead to changes that are to be approved by AITC. Hence the council suggested to retain the nomenclature as B.Sc. Hotel management and catering technology.

**AC/LIV/12/23**

**Reduction in the number of seats for the following courses of Faculty of Inter-disciplinary Science**

- M.Sc. in Psychology
- Bachelor of Occupational Therapy
- B.Sc. in Critical Care Technology
- B.Sc Respiratory Care technology
- Bachelor of prosthetics and orthotics

Dr. R.B. Nerli, Dean, Faculty of Inter-disciplinary Science and Allied made presentation with regard to reduction in the number of seats keeping in consideration the actual admissions.

The same was discussed and approved in the Faculty of Inter-disciplinary Science and Allied Meeting held on 3<sup>rd</sup> October 2023.

**Resolution:**

Resolved to approve the reduction in the number of intake seats for the year 2023-24 for the following courses under the Faculty of Inter-disciplinary Science and Allied.

- M.Sc. in Psychology
- Bachelor of Occupational Therapy
- B.Sc. in Critical Care Technology
- B.Sc Respiratory Care technology
- Bachelor of prosthetics and orthotics

**AC/LIV/13/23**

Proposal to start MPT Program at KLE College of Physiotherapy, Hubballi in the specialties of:

- Physiotherapy in Orthopaedics
- Physiotherapy in CVTS
- Neuro-Physiotherapy

Dr. Deepa Metgud, Dean, Faculty of Physiotherapy made presentation with regard to starting of MPT Program at KLE College of Physiotherapy, Hubballi in the specialties namely 1) Physiotherapy in Orthopaedics, 2) Physiotherapy in CVTS and 3) Neuro-Physiotherapy as there are large number of BPT students graduating every year from the institutions in and around Hubballi. In order to fulfill the demands of the students, it is necessary to start MPT Programs in the aforesaid specialties at KLE College of Physiotherapy, Hubballi. She also informed that to start MPT Program, College has adequate infrastructure, Laboratory facilities, Learning resources, clinical material, staff strength and recognized guides etc.

The same was discussed and approved in the Board of Studies for Physiotherapy Meeting held on 13<sup>th</sup> September 2023.

**Resolution:**

After detailed deliberations, it was resolved to defer starting of Post-graduate courses at present due to unavailability of infrastructure. In the month of March, 2024, a final decision will be taken regarding starting of MPT Programs at KLE College of Physiotherapy, Hubballi in the specialties namely 1) Physiotherapy in Orthopaedics, 2) Physiotherapy in CVTS and

3) Neuro-Physiotherapy from the next academic year 2024-25 onwards, with 5 seats in each specialty.

**AC/LIV/14/23**

**Reconsideration of discontinued courses in Hybrid mode**

- M.Sc. (Population Studies)
- Certificate Course in Biostatistics
- PG Diploma in Biostatistics

Dr. N. S. Mahantashetti, Dean, Faculty of Medicine made presentation with regard to reconsideration of starting of the discontinued courses in Hybrid Mode.

The same was discussed and approved in the Faculty of Medicine Meeting held on 25<sup>th</sup> September 2023 and the curriculum is placed for the approval.

**Resolution:**

After detailed deliberations, it was deferred to the next Academic Council meeting.

**AC/LIV/15/23**

**Reconsideration of discontinued course**

- PG Diploma in Public Relations

Dr. R.B. Nerli, Dean, Faculty of Inter-disciplinary Science and Allied made presentation with regard to restarting of discontinued course viz. PG Diploma in Public Relations under the faculty of Inter-disciplinary Science and Allied.

The same was discussed and approved in the Faculty of Medicine Meeting held on 25<sup>th</sup> September 2023 and the curriculum is placed for the approval.

**Resolution:**

After detailed deliberations, it was resolved to restart the discontinued course viz. PG Diploma in Public Relations from the academic year 2023 onwards.

**AC/LIV/16/23**

Consideration of discontinuation of M.Sc. in Immunology.

Dr. R.B. Nerli, Dean, Faculty of Inter-disciplinary Science and Allied made presentation with regard to discontinuation of M.Sc. in Immunology Program under the Faculty of Inter-disciplinary Science and Allied as there are no faculty member to teach the subjects of M.Sc. in Immunology.

The same was discussed and approved in the Faculty of Inter-disciplinary Science and Allied Meeting held on 3<sup>rd</sup> October 2023.

**Resolution:**

After detailed deliberations, it was resolved to discontinue the course from 2023 onwards.

**AC/LIV/17/23**      Consideration of categorization of courses as per the faculty

Dr. M S Ganachari, Registrar, KAHER presented the updated categorization of the programmes offered by the institutions under KAHER. As per the updated program categorization, the existing Board of Studies under various faculty needs to be updated as follows:

- 1) Board of Studies for Inter disciplinary sciences and allied courses (UG & PG) under Faculty of interdisciplinary sciences will be replaced as Board of Allied Sciences, under Faculty of Medicine and Board of Interdisciplinary Sciences under Faculty of Interdisciplinary Sciences.

He also presented inclusion of Faculty of Homeopathy from 2024, along with existing faculties at the University.

**Resolution:**

It was resolved to approve the updated categorization of the programmes offered by the institutions under the university and the new Board of Studies i.e., Board of Allied Sciences and Board of Interdisciplinary Sciences and Faculty of Homeopathy will be functional from 2024 onwards.

**AC/LIV/18/23**      Consideration of Recognition of Post-Graduate Teachers (Guides) / Ph.D. Research Supervisors (Guides) to guide the dissertation works of the Post-Graduate students / Ph.D. Research Scholars in the respective Department / Specialties.

Dr. Sheetal Harakuni, Deputy Director representing Director, Academic Affairs made presentation with regard to the applications received from the faculty members for recognition of Post-Graduate Teachers (Guides) / Ph.D. Research Supervisors (Guides) to guide the dissertation works of the Post-Graduate students / Ph.D. Research Scholars in the respective Department / Specialties.

**Resolution:**

Resolved to approve recognition of Post-Graduate Teachers (Guides) / Ph.D. Research Supervisors (Guides) to guide the dissertation works of the Post-Graduate students / Ph.D. Research Scholars in the respective department / specialties as detailed in the Annexure I.

**AC/LIV/19/23** Consideration of Extension / Re-registration / Cancellation of Registration for Doctor of Philosophy (Ph.D.) Program.

Dr. Sheetal Harakuni, Deputy Director representing Director, Academic Affairs made presentation as regards to Extension / Re-registration / Cancellation of Registration for Doctor of Philosophy (Ph.D.) Program.

**Resolution:**

Resolve to approve Extension / Re-registration / Cancellation of Registration for Doctor of Philosophy (Ph.D.) Program as detailed in the Annexure II.

**AC/LIV/20/23** Any other matter with the permission of the Chair.

**1) Agenda for approval of Implementation of new NMC student Assessment Guidelines for MBBS course**

Dr. Vidyavathi Patil, Assistant Controller of Examinations representing Controller of Examinations made presentation with regard to implementation of the new NMC Student Assessment guidelines for MBBS Course as follows:

- a. Implementation of passing criteria for CBME batches and issuing **NO Grace** marks for the students of MBBS course in the University Examination.
- b. Assessment scheme with the distribution of marks for General Medicine and General Surgery with Allied subjects for MBBS PY III Part II for the University Theory Examination and Internal Assessment scheme for all the subjects for MBBS PY III Part II.
- c. The assessment scheme for conduct of Practical examination and marks distribution in the subject of Orthopaedics for MBBS PY III Part II
- d. Inclusion of ONLY two subjects (Forensic Medicine & Toxicology and Community Medicine) in MBBS PY III Part I University Examination & allocation of 50 marks for the practical Examination of Forensic Medicine & Toxicology.

The same was discussed in the Board of Examinations meeting held on 17<sup>th</sup> November 2023.

**Resolution:**

Implementation of passing criteria for CBME batches and issuing **NO Grace** marks for the students of MBBS course in the University Examination.

After detailed discussion, Hon. Vice- Chancellor suggested to decide regarding the implementation after consultation and discussion with other state and Deemed-to-be-Universities.

- a. Assessment scheme with the distribution of marks for General Medicine and General Surgery with Allied subjects for MBBS PY III Part II for the University Theory Examination and Internal Assessment scheme for all the subjects for MBBS PY III Part II.

It was resolved to approve the assessment scheme presented above and will be applicable from the current MBBS PY III Part II (2019-2020 batch).

- b. The assessment scheme for conduct of Practical examination and marks distribution in the subject of Orthopaedics for MBBS PY III Part II.

It was resolved to approve the conduct of Practical examination with two Orthopaedic and four General Surgery Examiners in the University examination. The practical marks for Orthopaedics shall be 30 marks out of the total marks allotted to General Surgery and Allied subjects (200 Marks).

- c. Inclusion of ONLY two subjects (Forensic Medicine & Toxicology and Community Medicine) in MBBS PY III Part I University Examination & allocation of 50 marks for the practical Examination of Forensic Medicine & Toxicology.

It was deferred due to lack of clarification from NMC. However, Hon. Vice-Chancellor suggested to again seek clarification from NMC as to from which admission batch the said regulation is to be implemented.

**2) Agenda for approval regarding mention of "Subject name" in the Ph. D degree certificate under the concerned faculty.**

Dr. Vidyavathi Patil, Assistant Controller of Examinations representing Controller of Examinations made presentation with regard to "Subject name" in the Ph. D degree certificate under the concerned faculty.

The same was discussed in the Board of Examinations meeting held on 17<sup>th</sup> November 2023.

**Resolution:**

It was resolved to approve the implementation of "Subject name" in the Ph. D degree certificate under the concerned faculty prospectively and to be issued retrospectively to Scholars on request. However the Scholar has to surrender the original Degree Certificate to the Examination Section to procure the new certificate.

**3) Agenda for approval of Change in the duration of Certificate program "Lasers in dentistry" and Certificate program "Artificial Intelligence (AI) in Dentistry"**

Dr. Sonal Joshi, Dean, Faculty of Dentistry informed that it would be beneficial to change the duration of the said **Certificate program "Lasers in dentistry" and Certificate program "Artificial Intelligence (AI) in Dentistry"** from existing 6 month modular course to a one year certificate program to give enough time for clinical application of all procedures.

The same was discussed and approved in the Faculty of Dentistry Meeting held on 9<sup>th</sup> September 2023 and recommended for the same.

**Resolution:**

The Hon. Vice-Chancellor agreed and suggested for **Change in the duration of Certificate program "Lasers in dentistry" and Certificate program "Artificial Intelligence (AI) in Dentistry"** from the existing 6 month modular course to a one year certificate program.

The meeting concluded with a vote of thanks to the Chair.



REGISTRAR



VICE-CHANCELLOR

**ANNEXURE-I**

**List of PG Teachers Approved in Academic Council Meeting held on 24.11.2023**

Sl. No.	Name of the Teacher, Designation & Department	Name of the Institution
1.	Dr. Gautam S Assistant Prof. Dept. of Respiratory Medicine	JNMC, Belagavi
2.	Dr. Pradeep S. Goudar Associate Prof., Dept. of Radiodiagnosis	JNMC, Belagavi
3.	Dr. Sarang Shete Associate Prof., Dept. of Orthopaedics	JNMC, Belagavi
4.	Dr. Chethana Warad Associate Prof. Dept. of Ophthalmology	JNMC, Belagavi
5.	Dr. Abhijeet Balasaheb Shitole Associate Prof. of Cardiac Anaesthesiology	JNMC, Belagavi
6.	Dr. Amit S. Ammanagi Assistant Prof. Department of General Surgery	JNMC, Belagavi
7.	Dr. Sayed Mohammed Muzamil Killedar Reader, Department of Prosthodontics	KLE VK IDS, Belagavi
8.	Dr. Hemalatha Hiremath Professor of Conservative Dentistry & Endodontics	KLE VK IDS, Belagavi
9.	Dr. Savita. Padashetti Prof & HoD, Dept. of Samhita Siddhanta	Shri. B.M.K Ayurveda Mahavidyalaya, Belagavi
10.	Dr. Prabhakar. Hegade Reader, Dept. of Samhita Siddhanta	Shri. B.M.K Ayurveda Mahavidyalaya, Belagavi
11.	Mrs. Sneha B. Patil Assistant Prof. Dept. of Pharmacognosy	KLE College of Pharmacy, Belagavi
12.	Mr. Abhinandan Munnolli Assistant Prof. Dept. of Pharmacology	KLE College of Pharmacy, Belagavi
13.	Mr. Namit Kudatarkar Assistant Prof. Dept. of Pharmacology	KLE College of Pharmacy, Belagavi
14.	Dr. Sanatkumar B Nyamagoud Assistant Prof. Grade-I of Pharmacy Practice	KLE College of Pharmacy, Hubballi
15.	Dr. Vijaykumar K Meti Assistant Prof. Grade-I of Pharmaceutics	KLE College of Pharmacy, Hubballi

  
Dr. (Mrs.) Roopa M. Bellad  
Director Academic Affairs  
KLE Academy of Higher  
Education and Research  
BELAGAVI

**ANNEXURE-I**

**List of PG Teachers Approved in Academic Council Meeting held on 24.11.2023**

16.	Mr. Narahari KV Assistant Prof. Dept. of Pharmaceutics	KLE College of Pharmacy, Bengaluru
17.	Dr. Deepti Bagewadi Associate Prof. of CBR Physiotherapy	KLE Institute of Physiotherapy, Belagavi
18.	Dr. Sushil Kumar Asst. Professor of Biomechanics	KLE Institute of Physiotherapy, Belagavi
19.	Dr. Apeksha A Hungund Asst. Prof. Orthopedic Manual Therapy	KLE Institute of Physiotherapy, Belagavi
20.	Dr. Pooja Motar Assistant Professor of Neuro Physiotherapy	KLE College of Physiotherapy, Hubballi
21.	Dr. Ruben D Nadaf, Research Associate	BSRC, KAHER

  
Dr. (Mrs.) Roopa M. Bellad  
Director Academic Affairs  
KLE Academy of Higher  
Education and Research  
BELAGAVI

**List of Ph.D. Supervisors / Guides Approved in Academic Council Meeting held on  
24.11.2023**

Sl. No.	Name of the Teacher & Department	Name of the Institution
1.	Dr. Jyoti M Nagamoti Professor of Microbiology (Medical Education)	JNMC, Belagavi
2.	Dr. Urmila Anil Kagal Professor of Pharmacology	JNMC, Belagavi
3.	Dr. Deepa R. Mane Professor of Oral Pathology & Microbiology	KLE VK Institute of Dental Sciences, Belagavi
4.	Dr. Sidramesh Shivanand Muttagi Professor of Oral Maxillofacial Surgery	KLE VK Institute of Dental Sciences, Belagavi
5.	Dr. Sankeshwari Roopali Manohar Professor of Public Health Dentistry	KLE VK Institute of Dental Sciences, Belagavi
6.	Dr. Ashok Kamat, Professor & Head of Nursing Foundation	KLE Institute of Nursing Sciences, Belagavi
7.	Prof. (Dr.) Veereshkumar S Nandagaon Professor of Mental Health Nursing	KLE Institute of Nursing Sciences, Belagavi
8.	Prof. (Dr.) Preeti R. Bhupali Professor of Medical Surgical Nursing	KLE Institute of Nursing Sciences, Belagavi
9.	Dr. Gavishiddhayya B. Salimath Prof. & Head of Child Health Nursing	KLE Institute of Nursing Sciences, Belagavi
10.	Dr. Honnagouda Patil Associate Prof. of Medical Surgical Nursing	KLE Institute of Nursing Sciences, Belagavi
11.	Dr. Manjunath Sogalad Associate Professor of Mental Health Nursing	KLE Institute of Nursing Sciences, Belagavi
12.	Dr. Arunkumar Bapurao Biradar Reader / Assist Prof. Department of Shalakya Tantra	Shri. B.M.K Ayurveda Mahavidyalaya, Belagavi
13.	Dr. Jayasheela Goni Professor, Department of Prasooti tantra & Stree roga	Shri. B.M.K Ayurveda Mahavidyalaya, Belagavi
14.	Dr. Ajit Lingayat Reader, Department of Dravyaguna	Shri. B.M.K Ayurveda Mahavidyalaya, Belagavi
15.	Dr. Kalesh M Karun Scientist C (Biostatistics)	NITM-ICMR, Belagavi
16.	Dr. Manjunathathachar HV Scientist C (Pharmacology and Toxicology)	NITM-ICMR, Belagavi
17.	Dr. Priya Shetti Research Associate Grade-I	BSRC, KAHER

  
Dr. (Mrs.) Roopa M. Bellad  
Director Academic Affairs  
KLE Academy of Higher  
Education and Research  
BELAGAVI

**Ph.D. Scholars eligible for Extension (1 year)**

Sl No.	Name of the Scholar	Admission year	PT/ FT	Faculty	Remarks
1.	Dr. Bheemsain Tekkalaki	2018-19	PT	Medicine	Time bound Extension
2.	Ms. Maya K	2018-19	PT	Medicine	Time bound Extension
3.	Ms. Shubharani S. Muragod	2018-19	PT	Nursing	Time bound Extension
4.	Mr. Virupakshappa A. Savadi	2018-19	PT	Nursing	Time bound Extension
5.	Dr. Anil Koralli	2018-19	PT	Ayurveda	Time bound Extension
6.	Dr. Santosh F. Patil	2018-19	PT	Ayurveda	Time bound Extension
7.	Dr. Sanatkumar B. Nyamagoud	2018-19	PT	Pharmacy	Time bound Extension
8.	Mr. Santosh B. Patil	2018-19	PT	Pharmacy	Time bound Extension
9.	Ms. Anushri Pradip Patil	2018-19	PT	Interdisciplinary	Time bound Extension
10.	Dr. Fatima R A Khazi	2019-20	FT	Medicine	Time bound Extension
11.	Mr. Sushant Iragonda Jigan	2019-20	FT	Interdisciplinary	Time bound Extension
12.	Ms. Priyanka Kundekar	2019-20	FT	Interdisciplinary	Time bound Extension
13.	Ms. Dhruti Avlani	2019-20	FT	Pharmacy	Time bound Extension
14.	Ms. Revati D Sagare	2019-20	FT	Pharmacy	Time bound Extension
15.	Ms. Prajila A	2019-20	FT	Pharmacy	Time bound Extension
16.	Ms. Vijayalakshmi S	2019-20	FT	Pharmacy	Time bound Extension
17.	Ms. Chaitrali M Bidikar	2019-20	FT	Pharmacy	Time bound Extension
18.	Mr. Kazi Taufik Mubarak	2019-20	FT	Pharmacy	Time bound Extension
19.	Mr. Tukaram Kedar	2019-20	FT	Pharmacy	Time bound Extension

  
**Dr. (Mrs.) Reopa M. Bellad**  
 Director Academic Affairs  
 KLE Academy of Higher  
 Education and Research  
 BELAGAVI

**Ph.D. Scholars eligible for Re-registration (3 years)**

Sl No.	Name of the Scholar	Admission year	PT/FT	Remarks
1.	Dr. Abhijeet B. Shitole	2017-18	PT	Time bound Reregistration
2.	Dr. Sandeep S Sagare	2017-18	PT	Time bound Reregistration
3.	Ms. Dimple Pirgal	2017-18	PT	Time bound Reregistration
4.	Ms. Deepti K Prabhakar	2017-18	PT	Time bound Reregistration
5.	Ms. Kavya M	2017-18	PT	Time bound Reregistration
6.	Mrs. Shashikala C Wali	2017-18	PT	Time bound Reregistration
7.	Ms. Arati A. Bhatkande	2018-19	FT	Time bound Reregistration

**Cancellation of Registration for Doctor of Philosophy (Ph.D.) Program**

Sl No.	Name of the Scholar	Admission year	PT/FT	Faculty	Reason for Cancellation
1.	Mrs. Madhuri M. Landge	2020-21	FT	Pharmacy	XV(iii) The candidate discontinues her research without intimation.
2.	Mr. Jagadeesh G H	2017-18	PT	Nursing	XV(i) As per scholar's request letter for cancellation of registration for Ph.D. program.

  
Dr. (Mrs.) Roopa M. Bellad  
Director Academic Affairs  
KLE Academy of Higher  
Education and Research  
BELAGAVI



Ref. No. KAHER/MF-2/24-25/D-04052404

2nd May, 2024

To

The Members,  
**Academic Council,**  
KAHER.  
**Belagavi.**

Dear Sir / Madam,

**Sub: Minutes of the 55<sup>th</sup> meeting of the Academic Council of the KAHER, Deemed-to-be-University, Belagavi.**

Kindly find enclosed the minutes of the **55<sup>th</sup>** meeting of the **Academic Council** of the KAHER, Deemed-to-be-University, Belagavi held on **26<sup>th</sup> March, 2024.**

We request you to kindly go through the same and inform the undersigned regarding modifications/corrections, if any, to be made in the same, within two weeks from the date of this letter. If no communication is received from your end, it will be presumed that you have approved the same.

Thanking you,

With kind regards,



Yours faithfully,

**Prof. Dr. M.S. GANACHARI**  
**Registrar**

Encl: As above.

- CC to: 1. The PA to Hon. Chancellor, KAHER, Belagavi.  
2. The Special Officer to Hon. Vice-Chancellor, KAHER, Belagavi

**KLE ACADEMY OF HIGHER EDUCATION AND RESEARCH**

(Deemed-to-be-University established u/s 3 & 12B of the UGC Act, 1956)

Accredited A<sup>+</sup> Grade by NAAC (3<sup>rd</sup> Cycle)

Placed in Category A by MoE (GoI)

***PROCEEDINGS OF THE 55<sup>th</sup> MEETING OF THE ACADEMIC COUNCIL HELD  
IN THE ACADEMIC COUNCIL HALL OF THE KAHER ON 26-03-2024***

**MEMBERS PRESENT:**

(As per the Attendance Sheet)

Dr. M.S.Ganachari, Registrar and Member-Secretary welcomed the distinguished members and informed that the external members Dr. Sharath Kumar Rao K, Dr. Alladi Mohan, Dr. (Mrs.) Anura Bale and Dr. Shohan Chitlange have joined the meeting On-line. He informed that some of the members have sought leave of absence due to prescheduled engagements and the same was approved.

Dr. M.S.Ganachari informed about the sad demise of Dr. B. S. Kodkany, Former Professor of OBG and Former Director of KAHER Research Foundation on 22<sup>nd</sup> February 2024. He informed that he has rendered 60 years of selfless services to KLE, he was an inspiring Educator, Emeritus Professor, Teacher of Teachers, a great researcher and a distinguished academician with many awards of national and international repute including Dr. B. C. Roy award. The Members of the Academic Council observed one-minute silence as a mark of respect to the departed soul.

He requested the Chairman to chair and conduct the meeting as per the Agenda.

Hon. Vice-Chancellor welcomed and thanked the distinguished members for attending the meeting. He informed that Academic Council meeting was earlier scheduled on 21<sup>st</sup> March 2024. But as the UGC had called urgent meeting at New Delhi on 20-03-2024 to make presentation with regard to implementation of UGC Institutions Deemed-to-be-Universities Regulations, 2023 and NEP Policy-2020, the aforesaid meeting was rescheduled on 26<sup>th</sup> March 2024.

- The KAHER has appointed various statutory posts viz., Registrar, Deputy Registrars, Joint Controller of Examinations, Administrator and General Manager (KIIC). The services of the Finance Officer have been extended for one more year w.e.f. 1<sup>st</sup> January 2024. Dr. Pramod H. has been redesignated as Special Officer to Vice-Chancellor in cadre of Deputy Registrar.
- The KAHER has been recognized as Scientific and Industrial Research Organisation (SIRO) by Ministry of Science and Technology, Government of India on 4<sup>th</sup> December 2023. The institution can now avail custom duty exemption on the equipments procured for research activities.

- Dr. Richard Derman, Associate Provost for Global Affairs, Director of Global Health Researcher & Professor of OBG, Thomas Jefferson University, Philadelphia, USA is being conferred with Honorary Doctorate (D.Sc.) (Honoris Causa) by KAHER and the same will be awarded in the forthcoming 14<sup>th</sup> Convocation of KAHER.
- The KAHER has established the Department of Evidence Based Health Sciences and Dr. Mubhashir Angolkar, Professor & Head of Department of Public Health has been nominated as In-charge for the aforesaid department w.e.f. 1<sup>st</sup> March 2024. Hon. Vice-Chancellor requested Dr. Mubhashir Angolkar to brief about the same.

Dr. Mubhashir Angolkar briefed about the establishment of the Department of Evidence Based Health Sciences and its long term and short term strategies that have been made. She informed that Hon. Vice-Chancellor has set a task of publishing 50 research papers per institute per year. For short term, it is decided to buy nested knowledge paid software and appoint four full-time staff which include two statisticians. These staff members will dedicatedly work towards writing research papers with all the constituent units. There will be KAHER Core Committee in which faculty from each constituent unit will be nominated as a Member, in turn a similar Committee at College level is to be constituted by the respective Principals.

She informed that the long term plan is to focus on training all staff members of constituent units in conducting systematic reviews. She informed that a network is being established with the Faculty from PGI Chandigarh, AFMC, Umea University and Thomas Jefferson University. India Cochrane is also collaborating with us for capacity building and hand holding activities for systematic reviews. In addition, mining of the hospital data for publications will also be undertaken. 15 faculty members of JNMC and KLE Homoeopathic Medical College and Ph.D. Scholars of KAHER are already getting trained with Umea University, Sweden for 'R' analysis and three students on qualitative research. These workshops will be repeatedly conducted to train more number of staff.

- Hon. Vice-Chancellor informed that KAHER has established Department of Digital Health and we plan to start Health Information Management Course. This course will be introduced from the academic year 2024-25. This is very unique course and run by only few institutions across the country and the people work

on digitalized health data. This course will be under Allied Health Sciences, and will be conducted in collaboration with Department of Master of Public Health and Master of Hospital Administration.

The Agenda was taken up for discussion and consideration:

**AC/LV-01/24** Confirmation of the minutes of the 54<sup>th</sup> meeting of the Academic Council of KAHER held on 24<sup>th</sup> November 2023

- **Confirmed.**

**AC/LV-02/24** Action taken on various decisions of the 54<sup>th</sup> meeting of the Academic Council of KAHER held on 24<sup>th</sup> November 2023

- **Noted and taken on records.**

**AC/LV-03/24** **Agenda for ratification:**

Ratification of the action taken by the competent authority of the Deemed-to-be-University with regard to award of Doctor of Philosophy (Ph.D.) Degree for the period from 24<sup>th</sup> November 2023 to 25<sup>th</sup> March 2024.

The Academic Council considered the proposal for ratification of the action taken by the competent authority of the Deemed-to-be-University with regard to award of Doctor of Philosophy (Ph.D.) Degree for the period from 24<sup>th</sup> November 2023 to 25<sup>th</sup> March 2024, as detailed in the Agenda.

**Resolution:**

Resolved to ratify the action taken by the competent authority of the Deemed-to-be-University with regard to award of Doctor of Philosophy (Ph.D.) Degree for the period from 24<sup>th</sup> November 2023 to 25<sup>th</sup> March 2024, as detailed in the Agenda.

Ratification of action taken for revision of curriculum for M.Sc. (Nutrition).

The Dean, Faculty of Medicine made presentation with regard to revision in the course curriculum of M.Sc. (Nutrition). In order to increase the number of practical teaching and include some topics in the 4<sup>th</sup> semester which will help in specialization – eg. Sports Nutrition, Paediatric Nutrition, Geriatric Nutrition, etc. The same was discussed and recommended in the Faculty of Medicine meeting held on 1<sup>st</sup> March, 2024.

**Resolution:**

Resolved to ratify the action taken by the competent authority for revision in the course curriculum of M.Sc. (Nutrition). The same will be applicable to the students admitted from the academic year 2023-24.

Ratification of the action taken by the competent authority for conferment of Honorary Doctorate (D.Sc.) (Honoris Causa) to Dr. Richard Derman, Associate Provost for Global Affairs, Director of Global Health Research and Professor of Obstetrics and Gynecology, Thomas Jefferson University, Philadelphia, USA.

The Academic Council considered the proposal for ratification of the action taken by the competent authority for conferment of Honorary Doctorate (D.Sc.) (Honoris Causa) to Dr. Richard Derman, Associate Provost for Global Affairs, Director of Global Health Research and Professor of Obstetrics and Gynecology, Thomas Jefferson University, Philadelphia, USA, as detailed in the Agenda.

**Resolution:**

Resolved to ratify the action taken by the competent authority for conferment of Honorary Doctorate (D.Sc.) (Honoris Causa) to Dr. Richard Derman, Associate Provost for Global Affairs, Director of Global Health Research and Professor of Obstetrics and Gynaecology, Thomas Jefferson University, Philadelphia, USA, in the forthcoming 14<sup>th</sup> Convocation of KAHER, as detailed in the Agenda. The Academic Council noted that the aforesaid proposal has been approved by the members of the Board of Management through circulation.

**AC/LV-04/24**

**Agenda for information:**

Reporting of appointments of:

- Registrar
- Joint Controller of Examinations
- Deputy Registrars
- Administrator
- General Manager-KIIC.

Dr. M.S. Ganachari, Registrar made presentation with regard to appointments of:

- Registrar
- Joint Controller of Examinations
- Deputy Registrars
- Administrator
- General Manager-KIIC.

**Resolution:**

Resolved to take note of the same.

Reporting of the important events and activities conducted by KAHER for the period from 25<sup>th</sup> November 2023 to 25<sup>th</sup> March 2024.

Dr. M.S.Ganachari, Registrar made presentation with regard to the important events and activities conducted by KAHER for the period from 25<sup>th</sup> November 2023 to 25<sup>th</sup> March 2024.

**Resolution:**

Resolved to take note of the same.

Reporting of establishment and inauguration of KAHER's Incubation and Innovation Centre, based on the guidelines issued by UGC.

Dr. M.S.Ganachari, Registrar made presentation with regard to establishment and inauguration of KAHER's Incubation and Innovation Centre (KIIC). He informed that a Press Meet was organized for the same. The KIIC will closely collaborate with Institutions of global repute to develop indigenous medical devices and technologies. The Center also endeavors to collaborate with leading incubators in the country such as SIIC, IIT-Kanpur and others to create a thriving environment for start-ups leveraging on joint strengths of the center and such incubators. Shri. Ritesh Deshpande has been appointed as General Manager for the KIIC and has assumed charge.

**Resolution:**

Resolved to take note of the same.

Renaming of KAHER Research Foundation as **KLE Dr. B.S. Kodkany Memorial Research Foundation.**

Dr. M.S.Ganachari, Registrar made presentation with regard to renaming of KAHER Research Foundation as **KLE Dr.B.S.Kodkany Memorial Research Foundation.**

**Resolution:**

Resolved to approve change renaming KAHER Research Foundation to **KLE Dr. B. S. Kodkany Memorial Research Foundation** in recognition of his significant contribution to the field of teaching and research not only nationally but also internationally **w.e.f. 1<sup>st</sup> April 2024.**

AC/LV-05/24

Consideration of approval of starting of new academic programs / courses / curriculum:

**Faculty of Medicine:**

- Consideration for starting of MD (Radiation Oncology)

Dr. Rajesh Powar, officiating Principal on behalf of Dean, Faculty of Medicine made presentation with regard to approval of starting of MD (Radiation Oncology) at J.N.Medical College, Belagavi. He informed that the required facilities in terms of patient IPD, equipments and human resource are available.

The same was discussed and approved in the Faculty of Medicine Meeting held on 1<sup>st</sup> March 2024 and recommended for the same.

**Resolution:**

Resolved to approve starting of MD (Radiation Oncology) course for the academic year 2024-2025 at J.N.Medical College, Belagavi with annual intake of 03 students, subject to approval of NMC.

AC/LV-05/24

Consideration of approval of starting of new academic programs / courses / curriculum:

**Faculty of Ayurveda:**

- Consideration for starting of new PG course in the subject of Shareera Rachana from the academic year 2025-2026

Dr. P. G. Jadar, Dean, Faculty of Ayurveda made presentation with regard to approval of starting of PG course in the subject of Shareera Rachana. He informed that the Department of Shareera Rachana has infrastructure and teaching faculty and only a few of the colleges are running this course in Karnataka. Hence, there is a need to start the aforesaid PG Course in the Shareera Rachana.

The same was discussed and approved in the Faculty of Ayurveda Meeting held on 5<sup>th</sup> March 2024 and recommended for the same.

**Resolution:**

Resolved to approve starting of PG course in the subject of Shareera Rachana [MD-Shareera Rachana] from the academic year 2025-2026 with annual intake of 06 students subject to approval of NCISM.

AC/LV-06/24 Consideration of revision of curriculum of the following courses:

**Faculty of Medicine:**

- Consideration of revision of Curriculum for the 2<sup>nd</sup> Professional year of MBBS Curriculum as per the NMC guidelines 2023-24.
- Consideration of revision of Curriculum for the Post-graduate subjects as per the new PGMER 2023 NMC Guidelines 2023-24.

Dr. Rajesh Powar, officiating Principal on behalf of Dean, Faculty of Medicine made presentation with regard to the revision of curriculum of the following:

- **Consideration of revision of Curriculum for the 2<sup>nd</sup> Professional year of MBBS Curriculum as per the NMC guidelines 2023-24.**

He informed that as per NMC Revised Guidelines issued on 1<sup>st</sup> August 2023, there have been major changes in CBME UG Curriculum in the subjects of Pathology, Microbiology, Pharmacology and Forensic Medicine. The changes have been mainly in the number of teaching hours for theory and practicals. The departments have presented the changes recommended by NMC and decided to implement for 2023 batch onwards.

- **Consideration of revision of Curriculum for the Post-graduate subjects as per the new PGMER -2023, NMC Guidelines 2023-24.**

He informed that there have been major changes in CBME PG Curriculum viz., changes in teaching and training program, course in research methodology, ethics, course in ACLS and BLCS for eligibility and in assessment methods including implementation of e-logbook and OSCE / OSPE for summative examination. The departments have decided to implement the changes from 2023 batch onwards.

The same was discussed and approved in the Faculty of Medicine Meeting held on 1<sup>st</sup> March 2024 and recommended for the same.

**Resolution:**

Resolved to approve the revision of Curriculum of the following courses as per NMC guidelines:

- Resolved to approve revision in the curriculum for the 2<sup>nd</sup> Professional year of MBBS Curriculum as per the NMC guidelines 2023-24.
- Resolved to approve revision in the curriculum for the Post-graduate subjects as per the new PGMER 2023 NMC as per the NMC guidelines 2023-24.

Hon. Vice-Chancellor informed that it has been made mandatory for all Post-graduate students to publish one research article during the entire course before they appear for the final examination. Hon.Vice-Chancellor suggested Dr. S.S.Goudar, Director-Research to constitute a Committee with senior faculty members to discuss and recommend the pattern of marks to be allotted under 'Research'.

AC/LV-06/24 Consideration of revision of Curriculum of the following courses:

**Faculty of Ayurveda:**

- Consideration of revision of Curriculum of BHMS course as per the amendments by National Commission for Homoeopathy (NCH) to CBDC – Competency Based Dynamic Curriculum from the academic year 2022-23

Dr. P. G. Jadar, Dean, Faculty of Ayurveda made presentation with regard to the revision of curriculum of BHMS course as per the amendments by National Commission for Homoeopathy (NCH) to CBDC – Competency Based Dynamic Curriculum from the academic year 2022-23.

The same was discussed and approved in the Faculty of Ayurveda Meeting held on 1<sup>st</sup> March 2024 and recommended for the same.

**Resolution:**

Resolved to approve the revision of Curriculum of BHMS course as per NCH guidelines. The same shall be applicable to the students admitted / to be admitted from the academic year 2022-23.

AC/LV-06/24 Consideration of revision of Curriculum of the following courses:

**Faculty of Interdisciplinary Studies:**

- Consideration of revision of Curricula of all the M.Sc courses as per Choice Based Credit System (CBCS)
  - M. Sc. Anatomy (Medical)
  - M. Sc. Physiology (Medical)
  - M.Sc. Biochemistry (Medical)
  - M. Sc. Microbiology (Medical)
  - M. Sc. Echocardiography
  - M. Sc. Perfusion Technology
  - M. Sc. Biotechnology

Dr. R. B. Nerli, Dean, Faculty of Interdisciplinary Science and Allied made presentation with regard to the revision of curriculum by implementing Choice Based Credit System (CBCS) for the M. Sc. Allied Programs in order to provide wider options and seamless mobility across the students, from the academic year 2024-25 as per the guidelines issued by UGC and MoE (MHRD).

The same was discussed and approved in the Faculty of Interdisciplinary Science and Allied Meeting held on 7<sup>th</sup> March 2024 and recommended for the same.

**Resolution:**

Resolved to approve revision in the course curricula of M.Sc. Allied Courses / Programs from the academic year 2024-25 so as to meet the requirements of CBCS:

- M. Sc. Anatomy (Medical)
- M. Sc. Physiology (Medical)
- M.Sc. Biochemistry (Medical)
- M. Sc. Microbiology (Medical)
- M. Sc. Echocardiography
- M. Sc. Perfusion Technology
- M. Sc. Biotechnology

AC/LV-06/24 Consideration of revision of Curriculum of the following courses:

**Faculty of Nursing Sciences:**

- Consideration of revision of curriculum for B. Sc. Nursing (1<sup>st</sup> to 5<sup>th</sup> Semester)
- Consideration of revision of curriculum for Nurse Practitioner in Critical Care Post-graduate Residency Program (NPCC)

Dr. Preeti Bhupalli, Dean, Faculty of Nursing made presentation with regard to the following:

- Revision in the curriculum of B.Sc. Nursing (1<sup>st</sup> to 5<sup>th</sup>) in the subjects of Applied Anatomy, Applied Physiology, Applied Sociology, Adult Health Nursing-II, Community Health Nursing -I and Child Health Nursing-I.
- Revision of curriculum of NPCC course by adding content to the existing syllabus for 1<sup>st</sup> year viz. Research application and evidence based practice in critical care, advanced Pathophysiology applied to Critical Care Nursing-I, Advanced pathophysiology applied to Critical Care Nursing - II.

The same was discussed and approved in the Board of Studies for Nursing Science subjects (UG & PG) (FoNs) meeting held on 21<sup>st</sup> February 2024 and recommended for the same.

**Resolution:**

Resolved to approve revision in the course curricula of:

- a) B.Sc. (Nursing ) (1<sup>st</sup> to 5<sup>th</sup> Semester)
- b) Nurse Practitioner in Critical Care Post-graduate Residency Program (NPCC)

The same shall be applicable to the students admitted / to be admitted from the academic year 2024-25.

AC/LV-07/24

**Consideration for Approval of New Value Added Courses:**

**Faculty of Medicine:**

- Beyond the Books: Essential Life Skills for Medical Students.
- Good Laboratory Practices for Medical Undergraduate (JJMMMC, Hubballi)
- Legal aspects of safe practice in current scenario (JJMMMC, Hubballi)
- Biomedical Communication.
- Research Methodology.
- Management of Health & Wealth for budding Doctors.
- Medicolegal aspects of Obstetrics & Gynaecology .
- Art of Insulin Therapy.
- Strike out stroke

Dr. Rajesh Powar, officiating Principal on behalf of Dean, Faculty of Medicine made presentation with regard to approval of New Value Added Courses, based on the recommendations of the Faculty of Medicine meeting held on 01-03-2024.

**Resolution:**

Resolved to approve starting of the aforesaid value added courses from the academic year 2024-25.

AC/LV-07/24

**Consideration for approval of multi-disciplinary pain science in clinical practice a new Value Added Course by KLE College of Physiotherapy under the Faculty of Physiotherapy.**

Dr. Deepa Metgud, Dean, Faculty of Physiotherapy made presentation with regard to approval of the **Multi-disciplinary pain science in clinical practice**, a new Value Added Course by KLE College of Physiotherapy, Hubballi under the Faculty of Physiotherapy, based on the recommendations of BoS for Physiotherapy Subjects (UG&PG) meeting held on 21-02-2024 and to meet the requirements of NAAC.

**Resolution:**

Resolved to approve starting the **multi-disciplinary pain science in clinical practice**, a new Value Added Course by KLE College of Physiotherapy under the Faculty of Physiotherapy, Hubballi from the academic year 2024-25.

AC/LV-08/24

Dual Degree program viz. MDS along-with Ph.D. in the respective streams of Dentistry.

The Dean, Faculty of Dentistry presented a proposal for starting of Dual Degree program viz. MDS along-with Ph.D. in the respective streams of Dentistry.

**Resolution:**

Resolved to not consider the proposal as it does not satisfy the norms of UGC (Minimum Standards and Procedures for Award of Ph.D. Degree) Regulations, 2022.

AC/LV-09/24

To provide transcript to the students for completing Value Added Courses.

Dr. M. S. Ganachari, Registrar informed that the KAHER intends to issue transcript for the Value Added Courses (VAC), NSS activities, constitution of India and Environment Sciences to the students. He informed that at present, the Marks Card issued by the University does not include the value added courses, extra-curricular and co-curricular activities.

In response to the same, Hon. Vice-Chancellor suggested the following:

- The students may be issued transcript including VAC, NSS, Constitution of India and Environmental Sciences, which can add credits to their academics, if they apply for employment / higher studies anywhere abroad.
- The transcript can only be issued by University not at College level.

- Respective colleges can provide the information and forward the application of the students to the University for issue of transcript.
- Necessary charges may be collected for the issue of transcript.
- Testimonials can be issued at respective colleges, if requested by the students.

The distinguished member Dr. B.V. Sreenivas Murthy suggested that it is a good practice to issue transcript having extra-curricular, co-curricular activities and soft skills including Research if any done by the students along with the consolidated marks of the course / program. It will add credits to their academics if they apply abroad.

The distinguished member Dr. Anura P. Bale informed that NCISM has provided guidelines for the curriculum transcript. They have given the format for official transcript certificate including electives which shall be submitted.

### **Resolution:**

Resolved to approve issue of transcript to the students. Hon. Vice-Chancellor suggested that a Committee to be constituted in this regard so as to discuss the modalities for designing the format, guidelines for transcripts and the charges to be collected.

**AC/LV-10/24** Consideration of change in nomenclature of the following programs from the academic year 2024-25:

### **Faculty of Interdisciplinary Science:**

Sl.No.	Existing program name	Changes suggested
01.	B.Sc Radiography	B.Sc Medical Imaging Technology
02.	B.Sc Anaesthesia Technology	B.Sc Operation Theatre and Anaesthesia Technology

The Academic Council considered the proposal for change in nomenclature of the following programs from the academic year 2024-25:

Sl.No.	Existing program name	Changes suggested
01.	B.Sc Radiography	B.Sc Medical Imaging Technology
02.	B.Sc Anaesthesia Technology	B.Sc Operation Theatre and Anaesthesia Technology

**Resolution:**

Resolved to approve change in the nomenclature of the aforesaid programs from the academic year 2024-25.

**AC/LV-11/24**

Consideration of starting of admissions through lateral entry for the following programs from the academic year 2024-25:

1. B.Sc Medical Imaging Technology
2. B.Sc Operation Theatre and Anaesthesia Technology

The Dean, Faculty of Inter-disciplinary Science made presentation with regard to admission through lateral entry for the following programs from the academic year 2024-25 after taking into consideration the change in the nomenclature of the aforesaid courses as per the previous Item of the Agenda, based on the recommendations of the Faculty of Inter-disciplinary Science and Allied meeting held on 07-03-2024:

1. B.Sc Medical Imaging Technology
2. B.Sc Operation Theatre and Anaesthesia Technology

**Resolution:**

Resolved to approve admission of students through lateral entry for the following programs from the academic year 2024-25:

1. B.Sc. Medical Imaging Technology
2. B.Sc. Operation Theatre and Anaesthesia Technology

**AC/LV-12/24**

Consideration of discontinuation of following programs:

1. Certificate Course in Bioethics.
2. Certificate Course in Health Economics.

The Dean, Faculty of Medicine made presentation with regard to discontinuation of following programs as there are no takers for the aforesaid courses, based on the recommendations of the Faculty of Medicine meeting held on 01-03-2024:

1. Certificate Course in Bioethics.
2. Certificate Course in Health Economics.

**Resolution:**

Resolved to approve discontinuation of the aforesaid courses from the academic year 2024-25.

**AC/LV-13/24**

Consideration of seat enhancement of PG in the subject of Dravyaguna with an intake from 5 to 6 seats.

The Dean, Faculty of Ayurveda made presentation with regard to seat enhancement of PG in the subject of Dravyaguna with an intake from 5 to 6 seats, based on the recommendations of the Faculty of Ayurveda meeting held on 05-03-2024 and availability of the required infrastructure both in terms of human resource and equipments.

**Resolution:**

Resolved to approve seat enhancement of PG in the subject of Dravyaguna with an intake from 5 to 6 seats from the academic year 2025-26.

**AC/LV-14/24**

Consideration of seat enhancement of M.Ch (Surgical Oncology) with an intake from one to three seats.

The Dean, Faculty of Medicine made presentation with regard to seat enhancement of M.Ch. (Surgical Oncology) with an intake from one to three seats, based on the recommendations of the Faculty of Medicine meeting held on 01-03-2024 and availability of infrastructure both in terms of human resource and equipments.

**Resolution:**

Resolved to approve enhancement of seats in M.Ch. (Surgical Oncology) from one to three from the academic year 2025-26, subject to the approval from NMC.

**AC/LV-15/24**

Application of CBME with respect to Assessment guidelines 2023 published by NMC on 1<sup>st</sup> August 2023 for Medical UG course.

Dr. Jyoti M. Nagamoti, Controller of Examinations made presentation with regard to application of CBME with respect to Assessment guidelines 2023 published by NMC on 1<sup>st</sup> August 2023 for Medical UG course, based on the deliberations held in the Board of Examinations meeting held on 14-03-2024.

**Resolution:**

Resolved to approve adoption of CBME with respect to Assessment guidelines 2023 published by NMC on 1<sup>st</sup> August 2023 for Medical UG course. The same shall be applicable to the students as per the aforesaid guidelines

**AC/LV-16/24**

Application of PGMER 2023 with respect to Assessment Guidelines published by NMC on 29<sup>th</sup> December 2023 for Medical Post-Graduate and Super-specialty courses.

Dr. Jyoti M. Nagamoti, Controller of Examinations made presentation with regard to application of PGMER 2023 with respect to Assessment Guidelines and eligibility criteria published by NMC on 29<sup>th</sup> December 2023 for Post-Graduate Medical and Super-specialty courses, based on the deliberations held in the Board of Examinations meeting held on 14-03-2024, as detailed below:

**Resolution:**

Resolved to approve adoption of PGMER 2023 with respect to Assessment Guidelines and eligibility criteria published by NMC on 29<sup>th</sup> December 2023 for Post-Graduate Medical and Super-specialty courses. Following are the revised eligibility requirements for Postgraduate students in Broad Specialty and Super Specialty for appearing in University Examinations:

1. Have minimum one Poster presentation or Podium presentation at a National / Zonal / State Conference of his / her specialty.
2. Have minimum one Research paper published in journal of his / her specialty as first author. (applicable for the Admission batch 2022-23 onwards and for all faculties)
3. Complete an online course in Research Methodology (NPTEL) in the first year and submit the certificate generated on successful completion of the course and examination.
4. Complete a certification course in ethics including Good Clinical Practices and Good Laboratory Practices, (whichever is relevant to them) in the first year of the course conducted by institutions.
5. Complete a certification course in Basic Cardiac Life Support (BCLS) and Advanced Cardiac Life Support (ACLS) skills in the first year of the course conducted by the institution.
6. Thesis acceptance by all evaluators before the conduct of University Examination.
7. 80% attendance is mandatory to give University Examination.

The above guidelines shall be applicable to 2022-23 admission batch i.e., batch appearing for University Examination in the year 2025.

**AC/LV-17/24**

Consideration of recognition of Post-Graduate Teachers (Guides) / Ph.D. Research Supervisors (Guides) to guide the dissertation works of the Post-Graduate students /Ph.D. Research Scholars in the respective Department / Specialties.

Dr. Roopa Bellad, Director – Academic Affairs made presentation with regard to recognition of Post-Graduate Teachers (Guides) / Ph.D. Research Supervisors (Guides) to guide the dissertation works of the Post-Graduate students /Ph.D. Research Scholars in the respective Department / Specialties.

**Resolution:**

Resolved to approve recognition of Post-Graduate Teachers (Guides) / Ph.D. Research Supervisors (Guides) to guide the dissertation works of the Post-Graduate students /Ph.D. Research Scholars in the respective Department / Specialties as detailed in the Annexure enclosed.

**AC/LV-18/24 ,**

Any other subject with the permission of the Chair Starting of courses under 'Open Learning'.

Dr. M.S.Ganachari, Registrar made presentation with regard to starting of courses under 'Open Learning' mode by other Health Science Institutions.

**Resolution:**

Resolved to defer the proposal.

**AC/LV-18/24**

Any other subject with the permission of the Chair Starting of new courses under the Faculty of Interdisciplinary Science.

Dr. M.S.Ganachari, Registrar made presentation with regard to starting of new courses under the Faculty of Interdisciplinary Science:

1. Bachelor of Health Information Management
2. MBA Hospital Administration
3. MBA Pharmaceutical Management

**Resolution:**

Resolved to approve starting of the following new courses for the academic year 2024-2025 at J.N. Medical College, Belagavi with annual intake of 10 students per course, subject to necessary permission from regulating bodies (AICTE, UGC).

1. Bachelor of Health Information Management

2. MBA Hospital Administration

3. MBA Pharmaceutical Management

The meeting concluded with a vote of thanks to the Chair.



**REGISTRAR**



**VICE-CHANCELLOR**

<b>Program Specific Outcomes - MD Anatomy</b> <b>After successful completion of the program the graduate will be able to:</b>	
<b>PSO 1.</b>	<b>Comprehensive Anatomical Knowledge:</b> Describe and interpret the normal gross anatomical features, microscopic structures, sequential development of various tissues and organs, principles of genetics, radiological anatomy, osteology, applied aspects, and recent advances in these branches of anatomy as they relate to clinical practice.
<b>PSO 2.</b>	<b>Functional Anatomy:</b> Describe and demonstrate various joint movements and the surface marking of clinically important structures in the cadaver, correlating these with living anatomy.
<b>PSO 3.</b>	<b>Mastery of Advanced Procedural Skills:</b> Achieve proficiency in dissection, embalming, tissue preparation techniques, and museum preparation

<b>Program Specific Outcomes - MD Physiology</b> <b>After successful completion of the program the graduate will be able to:</b>	
<b>PSO 1.</b>	<b>Advanced Physiology knowledge:</b> Demonstrate an in-depth understanding of basic physiological concepts and their clinical applications, including physical demands in special circumstances such as sports, environmental changes, yoga, and meditation.
<b>PSO 2.</b>	<b>Experimental Physiology:</b> Demonstrate physiological concepts of organ systems by performing amphibian and mammalian experiments using simulated models.
<b>PSO 3.</b>	<b>Hematological Profile:</b> Perform and interpret a complete hematological profile.

<b>Program Specific Outcomes - MD Biochemistry</b> <b>After successful completion of the program the graduate will be able to:</b>	
<b>PSO 1.</b>	<b>Biochemical Knowledge:</b> Comprehend the molecular, physical, and physiological processes involved in maintaining normal health and their deviations in disease states.
<b>PSO 2.</b>	<b>Laboratory Skills:</b> Conduct biochemical laboratory investigations and experiments independently, reinforcing biochemical concepts, solving clinical and scientific problems.
<b>PSO 3.</b>	<b>Diagnostic Laboratory Management:</b> Demonstrate the skills to set up, supervise, and manage a diagnostic laboratory in biochemistry, quality control measures to ensure quality assurance and provide reliable healthcare support services.

<b>Program Specific Outcomes - MD Pharmacology</b> <b>After successful completion of the program the graduate will be able to:</b>	
<b>PSO 1.</b>	<b>Comprehensive Pharmacological Knowledge:</b> Clearly explain the concepts and principles of pharmacology and therapeutics, including rational drug use in special categories like pediatrics, geriatrics, pregnancy, and pathological states; antimicrobial resistance, drug development processes, pharmacovigilance and relevant national programs.
<b>PSO 2.</b>	<b>Practical Skills:</b> Develop and apply skills in pharmacology-based services, perform experimental procedures independently, conduct research, and manage assignments in the department, institution, or industry.
<b>PSO 3.</b>	<b>Optimize Therapeutic Outcomes:</b> Appreciate the recent advancements in the treatment of diseases & disorders to optimize therapeutic outcomes.

<b>Program Specific Outcomes - MD Pathology</b> <b>After successful completion of the program the graduate will be able to:</b>	
<b>PSO 1.</b>	<b>Diagnostic Competency:</b> Acquire competencies relevant to diagnosing hematology, cytopathology, histopathology, bone marrow, blood transfusion, and clinical pathology specimens, and interpreting these tests including clinical biochemistry.
<b>PSO 2.</b>	<b>Data Interpretation:</b> Interpret clinical and laboratory data accurately to prepare comprehensive reports as per universal reporting protocols, including synoptic reporting, and advise on newer molecular tests in problematic cases.
<b>PSO 3.</b>	<b>Correlative Skills:</b> Correlate clinical and laboratory findings with pathology findings at autopsy, identify discrepancies, and determine causes of death due to diseases.
<b>PSO 4.</b>	<b>Quality Control:</b> Maintain quality control of all tests by participating in internal quality control monitoring programs, making and recording systematic observations, maintaining accurate records for reasonable periods of time, identifying laboratory problems, and offering solutions.
<b>PSO 5.</b>	<b>Safety &amp; Biomedical Waste Management:</b> Appreciate safe and effective disposal of laboratory waste, manage and minimize the risk of exposure to infections and accidents for laboratory personnel.

<b>Program Specific Outcomes - MD Microbiology</b> <b>After successful completion of the program the graduate will be able to:</b>	
<b>PSO 1.</b>	<b>Diagnostic Competence:</b> Interpret clinical and laboratory data accurately and diagnose infectious diseases effectively in endemic, epidemic & outbreak situations.
<b>PSO 2.</b>	<b>Antibiotic Stewardship:</b> Perform the role of a consultant in an antibiotic stewardship program by designing standard operating procedures and analyzing the implementation of protocols.
<b>PSO 3.</b>	<b>Utilization of Diagnostic Technology:</b> Utilize newer diagnostic technologies in the microbiology laboratory effectively.
<b>PSO 4.</b>	<b>Safety &amp; Biomedical Waste Management:</b> Appreciate safe and effective disposal of laboratory waste, manage and minimize the risk of exposure to infections and accidents for laboratory personnel.

<b>Program Specific Outcomes - MD Forensic Medicine</b> <b>After successful completion of the program the graduate will be able to:</b>	
<b>PSO 1.</b>	<b>Legal and Medico-Legal Knowledge:</b> Possess in-depth knowledge about the legal and medico-legal system in India, including identification and discharge of all legal responsibilities and serve as an expert witness in court for medico-legal matters.
<b>PSO 2.</b>	<b>Ethical Conduct:</b> Follow ethical principles in dealings with patients, police personnel, relatives, and other health personnel, respecting their rights.
<b>PSO 3.</b>	<b>Medico-Legal Autopsy:</b> Perform medico-legal autopsies independently with required physical assistance, prepare reports, and derive inferences.
<b>PSO 4.</b>	<b>Substance-Abuse and Sexual Offense Examination:</b> Conduct medico-legal examinations of individuals involved in alcohol, drugs, and poison use, as well as in cases of sexual offenses, and prepare reports.
<b>PSO 5.</b>	<b>Forensic Toxicology:</b> Manage forensic, clinical, emergency, environmental, medico-legal, and occupational aspects of toxicology.

<b>Program Specific Outcomes - MD Community Medicine</b> <b>After successful completion of the program the graduate will be able to:</b>	
---	--

<b>PSO 1.</b>	<b>Epidemiological Competence:</b> Assess the epidemiology, including socio-cultural factors, in the control, prevention, and promotion of communicable and non-communicable diseases, emerging and re-emerging diseases, mental health, genetics, and nutritional health problems of public health importance, and implement national health programs.
<b>PSO 2.</b>	<b>Vulnerable Group Care:</b> Provide basic healthcare to vulnerable groups such as pregnant and lactating women, women of reproductive age, children, adolescents, the elderly, people with disabilities, and tribal populations as per national health programs.
<b>PSO 3.</b>	<b>Applied Epidemiology:</b> Apply the principles of epidemiology, health research, bioethics, and biostatistics in managing outbreaks, epidemics, endemic, and pandemic diseases at local, national, and international levels, incorporating recent advances.
<b>PSO 4.</b>	<b>Environmental and Occupational Health:</b> Assess and prevent the impact of adverse environmental conditions and occupational health and safety problems on human health, including social security measures.
<b>PSO 5.</b>	<b>Health Management:</b> Demonstrate leadership roles in delivering primary healthcare, utilizing principles of health planning, management, and communication, and developing relevant health education materials.

<b>Program Specific Outcomes - MD Medicine</b> <b>After successful completion of the program the graduate will be able to:</b>	
<b>PSO 1.</b>	<b>Clinical Competence:</b> Practice internal medicine by applying scientific knowledge to conduct clinical examinations, investigations, diagnosis and treatments of communicable and non-communicable diseases using principles of evidence-based medicine.
<b>PSO 2.</b>	<b>Emergency Care:</b> Perform life-saving procedures and provide emergency care.
<b>PSO 3.</b>	<b>Pharmacotherapy:</b> Prescribe and safely administer appropriate therapies, including pharmacotherapy, based on the principles of rational drug therapy.
<b>PSO 4.</b>	<b>National Health Programs:</b> Demonstrate an active role in the implementation of national health programs.

<b>Program Specific Outcomes - MS Surgery</b> <b>After successful completion of the program the graduate will be able to:</b>
--

<b>PSO 1.</b>	<b>Comprehensive Surgical Care:</b> Demonstrate in-depth knowledge of basic sciences to Diagnose and appropriately manage surgical ailments by providing adequate pre-operative, intra-operative, post-operative, and follow-up care for surgical patients.
<b>PSO 2.</b>	<b>Emergency Surgical Intervention:</b> Identify situations requiring urgent or early surgical intervention and refer at the optimum time to the appropriate specialty.
<b>PSO 3.</b>	<b>Trauma care &amp; Resuscitation:</b> Provide and coordinate emergency resuscitative measures in acute surgical situations, including trauma.
<b>PSO 4.</b>	<b>National Health Programs:</b> Effectively participate in national health programs such as Family Welfare.

<b>Program Specific Outcomes - MS OBG</b> <b>After successful completion of the program the graduate will be able to:</b>	
<b>PSO 1.</b>	<b>Comprehensive Reproductive Care:</b> Provide care for women, including preconception counseling, antepartum, intrapartum, postpartum, emergency obstetrics and neonatal care.
<b>PSO 2.</b>	<b>Gynecological Expertise:</b> Diagnose and manage gynecological conditions, including adolescent, perimenopausal, and oncology cases, with appropriate referrals.
<b>PSO 3.</b>	<b>Fertility Management &amp; Social Obstetrics:</b> Counsel on fertility regulation, perform medical termination of pregnancy in adherence to National Health Programs and public Health laws.
<b>PSO 4.</b>	<b>Anesthesiology and Radiology Knowledge:</b> Understand principles of anesthesiology, resuscitation, and radiology in obstetric and gynecological contexts in adherence to relevant laws.

<b>Program Specific Outcomes - MD Paediatrics</b> <b>After successful completion of the program the graduate will be able to:</b>	
<b>PSO 1.</b>	<b>Comprehensive Pediatric Care:</b> Develop expertise in pediatric care from newborns to adolescents for comprehensive health services.
<b>PSO 2.</b>	<b>Holistic Child Health:</b> Address the holistic health needs of neonates, infants, children, and adolescents focusing on optimal growth and development as central to pediatrics.
<b>PSO 3.</b>	<b>Alignment with National Health Policies:</b> Provide pediatric care in line with National Health Policy principles and programs.

<b>PSO 4.</b>	<b>Emergency Management:</b> Identify situations requiring urgent interventions and refer to the appropriate specialty
---------------	--

<b>Program Specific Outcomes - MS ENT</b> <b>After successful completion of the program the graduate will be able to:</b>	
<b>PSO 1.</b>	<b>Integration of Basic Sciences:</b> Apply fundamental sciences to clinical practice in ENT and Head & Neck Surgery.
<b>PSO 2.</b>	<b>Preventive and Curative Care:</b> Develop skills in preventive, curative, and rehabilitative ENT care.
<b>PSO 3.</b>	<b>Emergency and Specialty Care:</b> Diagnose and manage emergencies and conditions within ENT subspecialties

<b>Program Specific Outcomes - MS Orthopaedics</b> <b>After successful completion of the program the graduate will be able to:</b>	
<b>PSO 1.</b>	<b>Comprehensive Orthopedic Knowledge and Skills:</b> Diagnose and manage orthopedic disorders with comprehensive management plans.
<b>PSO 2.</b>	<b>Surgical Proficiency:</b> Perform basic orthopedic surgeries and understand advanced procedures like arthroplasty and arthroscopy.
<b>PSO 3.</b>	<b>Trauma &amp; Injury Management:</b> Address musculoskeletal injuries and trauma-related emergencies.
<b>PSO 4.</b>	<b>Disaster Response:</b> Organize and lead triage and relief efforts in mass casualty situations.

<b>Program Specific Outcomes - MS Ophthalmology</b> <b>After successful completion of the program the graduate will be able to:</b>	
<b>PSO 1.</b>	<b>Ocular Disorders and their Management:</b> Demonstrate proficiency in recognizing and diagnosing ophthalmic diseases, including emergencies based on comprehensive knowledge of ophthalmology.

<b>PSO 2.</b>	<b>Surgical Interventions:</b> Appropriately manage ophthalmic ailments by providing adequate pre-operative, intra-operative, post-operative, and follow-up care.
<b>PSO 3.</b>	<b>Community Eye Services &amp; NHP:</b> Address prevalent eye conditions in rural areas effectively, participate in the operations of Mobile Ophthalmic Units and contribute to the national blindness and eye donation programs
<b>PSO 4.</b>	<b>Eye Donation:</b> Perform the retrieval of cornea from eye donors with comprehensive knowledge of eye bank functioning.

<b>Program Specific Outcomes - MS Skin &amp; VD</b> <b>After successful completion of the program the graduate will be able to:</b>	
<b>PSO 1.</b>	<b>Dermatology Diagnostics and Treatment:</b> Identify, classify, and treat skin diseases, including the use of appropriate medications.
<b>PSO 2.</b>	<b>Histopathology Skills:</b> Perform and interpret skin biopsies.
<b>PSO 3.</b>	<b>Dermatological Procedures:</b> Conduct various procedures, including electrocautery, laser surgeries, and excisions.
<b>PSO 4.</b>	<b>Preventive and Rehabilitative Planning:</b> Develop plans for prevention and rehabilitation in Dermatology, Venereology & Leprosy and contribute to the national programs related to leprosy & HIV.

<b>Program Specific Outcomes - MS Anaesthesiology</b> <b>After successful completion of the program the graduate will be able to:</b>	
<b>PSO 1.</b>	<b>Pre-Anesthetic Assessment:</b> Conduct pre-anesthetic evaluations and plan regional and general anesthesia management.
<b>PSO 2.</b>	<b>Anesthetic Techniques:</b> Apply skills in intubation, epidural blocks, spinal blocks, and use of ultrasound in anesthesia.
<b>PSO 3.</b>	<b>Resuscitation Expertise:</b> Perform BLS and ACLS on adults and pediatric patients.
<b>PSO 4.</b>	<b>Pain Management:</b> Manage acute and chronic pain with current best practices.

<b>Program Specific Outcomes - - MD Psychiatry</b> <b>After successful completion of the program the graduate will be able to:</b>	
<b>PSO 1.</b>	<b>Diagnostic Tools Utilization:</b> Use laboratory investigations, neuroimaging, EEG, and psychological assessments to diagnose psychiatric conditions.
<b>PSO 2.</b>	<b>Pharmacotherapy Administration:</b> Provide appropriate pharmacological treatments for psychiatric disorders.
<b>PSO 3.</b>	<b>Psychotherapeutics:</b> Implement psychotherapeutic interventions for common mental illnesses in the community.
<b>PSO 4.</b>	<b>Leadership in Mental Health:</b> Lead a multidisciplinary team in executing the National Mental Health Program.

<b>Program Specific Outcomes - MD Respiratory Medicine</b> <b>After successful completion of the program the graduate will be able to:</b>	
<b>PSO 1.</b>	<b>Infectious Diseases &amp; TB Management:</b> manage infectious respiratory diseases and their complications and structuring appropriate diagnostic and treatment plans for tuberculosis per NTEP guidelines.
<b>PSO 2.</b>	<b>Airway Disorder Management:</b> Diagnose and manage airway disorders following global guidelines (GOLD, GINA).
<b>PSO 3.</b>	<b>Respiratory Failure Management:</b> Evaluate and manage respiratory failure with appropriate ventilation techniques.
<b>PSO 4.</b>	<b>Comprehensive Internal Medicine Knowledge:</b> Understand and manage systemic diseases related to respiratory morbidity.
<b>PSO 5.</b>	<b>Diagnostic Procedures Proficiency:</b> Perform diagnostic procedures like intercostal drainage, bronchoscopy, and medical thoracoscopy independently.

<b>Program Specific Outcomes - MD Radiology</b> <b>After successful completion of the program the graduate will be able to:</b>	
<b>PSO 1.</b>	<b>Radiological Interpretation &amp; Procedures:</b> Independently perform and interpret routine, special radiologic, imaging investigations including ultrasonography and interventional procedures.
<b>PSO 2.</b>	<b>Imaging Algorithms:</b> Appreciate the concepts of algorithms and apply them for various radiological investigations like ultrasonography, CT, and MRI.
<b>PSO 3.</b>	<b>Radiation Safety:</b> Optimize radiation exposure following the ALARA principle and ensure radiation protection for healthcare providers.

<b>Program Specific Outcomes - MCh CVTS</b> <b>After successful completion of the program the graduate will be able to:</b>	
<b>PSO 1.</b>	<b>Therapeutic &amp; Preventive Strategy:</b> Plan and execute optimal therapeutic & preventive strategies, including risk factor modifications, medical interventions, and surgical options.
<b>PSO 2.</b>	<b>Surgical Proficiency:</b> Perform elective and emergency cardiovascular and thoracic surgeries, including CABG and valve procedures.
<b>PSO 3.</b>	<b>Emergency Management:</b> Manage common cardiovascular and thoracic illnesses and emergencies, including chest and vascular trauma.
<b>PSO 4.</b>	<b>Interdisciplinary Collaboration:</b> Develop partnerships with cardiac anesthetists, neurologists, cardiologists, radiologists, pulmonologists, perfusionists, and nephrologists.

<b>Program Specific Outcomes - DM Cardiology</b> <b>After successful completion of the program the graduate will be able to:</b>	
<b>PSO 1.</b>	<b>Clinical Management:</b> Apply the in-depth knowledge of the basic sciences to diagnose and manage cardiology conditions based on clinical assessments and investigations.
<b>PSO 2.</b>	<b>Holistic Patient Care:</b> Consider social, economic, environmental, biological, and emotional factors in patient care.
<b>PSO 3.</b>	<b>Prevention and Rehabilitation:</b> Plan preventive and rehabilitative measures for cardiovascular diseases.

<b>Program Specific Outcomes - DM Neurology</b> <b>After successful completion of the program the graduate will be able to:</b>	
<b>PSO 1.</b>	<b>Neurological Care:</b> Apply the in-depth knowledge of the basic sciences to diagnose and manage common neurological problems to provide acute care aimed at full recovery.
<b>PSO 2.</b>	<b>Time-Sensitive Management:</b> Address acute, life-threatening neurological conditions in a timely manner, collaborating with other specialties.
<b>PSO 3.</b>	<b>Neuro-interventions:</b> Perform neuro-interventional procedures, including Digital Subtraction Angiography (DSA) and assist in therapeutic procedures like mechanical thrombectomy.

<b>Program Specific Outcomes - MCh Urology</b> <b>After successful completion of the program the graduate will be able to:</b>	
<b>PSO 1.</b>	<b>Urological Diagnosis and Management:</b> Diagnose and manage urological conditions in adults and children.
<b>PSO 2.</b>	<b>Holistic Care:</b> Understand the determinants of adult and pediatric urology to provide comprehensive care and plan and advise on preventive and rehabilitative care for urological diseases.
<b>PSO 3.</b>	<b>Advanced Urological Procedures:</b> Acquire skills in vascular access creation and renal transplantation for chronic kidney disease patients.

<b>Program Specific Outcomes - MCh Pediatric Surgery</b> <b>After successful completion of the program the graduate will be able to:</b>	
<b>PSO 1.</b>	<b>Pediatric Surgical Expertise:</b> Provide expert clinical care for pediatric surgical conditions from newborn to adolescence.
<b>PSO 2.</b>	<b>Holistic Pediatric Care:</b> Understand and address the holistic needs of healthy neonates to adolescents.
<b>PSO 3.</b>	<b>National Health Policy Alignment:</b> Deliver clinical care in line with national health policy recommendations

<b>Program Specific Outcomes - DM Cardiac Anaesthesia</b> <b>After successful completion of the program the graduate will be able to:</b>	
<b>PSO 1.</b>	<b>Competence in Cardiothoracic and Vascular Anaesthesia:</b> Independently manage adult and pediatric cardiothoracic and vascular anesthesia.
<b>PSO 2.</b>	<b>Procedural Skills:</b> Perform necessary procedures, including invasive line placement and hemodynamic monitoring, perioperative transesophageal echocardiography to aid clinical decision making and ensure optimal perioperative outcomes.
<b>PSO 3.</b>	<b>Preoperative Evaluation and Optimization:</b> Conduct thorough preanaesthetic evaluations, risk assessments, and patient optimization to enhance surgical outcomes.
<b>PSO 4.</b>	<b>Management of Elective and Emergency Procedures:</b> Manage perioperative care in cardiac and vascular cath labs, hybrid operation theaters, and other settings requiring specialized care.

<b>Program Specific Outcomes - DM Nephrology</b> <b>After successful completion of the program the graduate will be able to:</b>	
<b>PSO 1.</b>	<b>Management of Kidney Diseases:</b> Master the etiology, pathophysiology, diagnosis, and management of common kidney diseases in outpatient, inpatient, and emergency settings with comprehensive knowledge of structure & functions of renal system.
<b>PSO 2.</b>	<b>Proficiency in Nephrology Procedures:</b> Acquire and demonstrate proficiency in performing minor and major nephrology procedures independently, including dialysis and transplantation.
<b>PSO 3.</b>	<b>Kidney Transplant Care:</b> Develop the skills to manage kidney transplant patients during the intraoperative and postoperative periods, including independent organ perfusion.

<b>Program Specific Outcomes - DM Gastroenterology</b> <b>After successful completion of the program the graduate will be able to:</b>	
<b>PSO 1.</b>	<b>Mastery in Gastroenterology and Hepatology:</b> Acquire skills in gastroenterology and hepatology to provide optimal patient care to gain expertise in various procedures in gastroenterology.

<b>PSO 2.</b>	<b>Emergency Management:</b> Recognize and effectively manage gastroenterology emergencies.
<b>PSO 3.</b>	<b>Independent Endoscopy Skills:</b> Perform upper and lower GI endoscopies, both diagnostic and therapeutic, independently.

<b>Program Specific Outcomes - DM Endocrinology</b> <b>After successful completion of the program the graduate will be able to:</b>	
<b>PSO 1.</b>	<b>Expertise in Endocrinology:</b> Acquire knowledge and skills in basic, translational, and clinical endocrinology, diabetes, and metabolism to promote diagnostic critical thinking and evidence-based management of adult and pediatric endocrine disorders.
<b>PSO 2.</b>	<b>Emergency Management:</b> Recognize and manage adult and pediatric endocrine emergencies effectively.
<b>PSO 3.</b>	<b>Laboratory Proficiency:</b> Gain adequate knowledge of the functioning of an endocrinology laboratory, perform and interpret endocrine stimulation and suppression tests.
<b>PSO 4.</b>	<b>Radiological Interpretation:</b> Develop interpretive skills for radiological and radionuclide scans relevant to endocrinology.

<b>Program Specific Outcomes - MD Emergency Medicine</b> <b>After successful completion of the program the graduate will be able to:</b>	
<b>PSO 1.</b>	<b>Competency in Emergency Medicine:</b> Develop advanced skills to independently manage all aspects of emergency medicine, functioning as a clinical expert in life-threatening situations.
<b>PSO 2.</b>	<b>Establishment of Services:</b> Lead and coordinate emergency medical teams, establishing efficient systems for emergency care in diverse settings and demonstrate rapid and effective clinical decision-making in high-pressure emergency situations.
<b>PSO 3.</b>	<b>Disaster Management:</b> Plan and execute triage and relief measures during mass casualty incidents and disasters

<b>Program Specific Outcomes - MCh Surgical Oncology</b> <b>After successful completion of the program the graduate will be able to:</b>	
<b>PSO 1.</b>	<b>Advanced Cancer Biology and Epidemiology:</b> Analyze the molecular biology, etiology, and epidemiology of cancers to facilitate evidence-based clinical decision-making.
<b>PSO 2.</b>	<b>Specialized Surgical Expertise:</b> Perform specialized and complex surgical oncology procedures independently, ensuring precision, safety, and optimal patient care outcomes.
<b>PSO 3.</b>	<b>Cancer Screening and Prevention:</b> Design and execute effective cancer screening programs to identify high-risk populations and implement preventive strategies.
<b>PSO 4.</b>	<b>Deliver Holistic Cancer Care:</b> Provide comprehensive care by managing cancer treatment side effects, offering palliative care, and enhancing the quality of life for cancer patients.
<b>PSO 5.</b>	<b>Application of Advanced Techniques:</b> Integrate cutting-edge surgical technologies and innovations into oncological care to improve therapeutic outcomes.
<b>PSO 6.</b>	<b>Coordinate Interdisciplinary Oncology Care:</b> Collaborate with multidisciplinary teams to plan and deliver personalized care for cancer patients, addressing their unique needs.

<b>Program Specific Outcomes - DM in Pediatric Neurology</b> <b>After successful completion of the program the graduate will be able to:</b>	
<b>PSO 1.</b>	<b>Evaluate Neurodevelopment:</b> Evaluate normal neurodevelopment and its variations using knowledge of neuroanatomy and neurophysiology to diagnose developmental delays early.
<b>PSO 2.</b>	<b>Manage Neurological Disorders:</b> Diagnose and treat central nervous system infections, seizures, developmental delays, neurodegenerative diseases, and autoimmune disorders in infants, children, and adolescents.
<b>PSO 3.</b>	<b>Perform Diagnostic and Therapeutic Procedures:</b> Execute key diagnostic and therapeutic procedures, such as lumbar punctures, epidural taps, ventricular taps, EEG, and nerve conduction studies, with precision and safety.

<b>PSO 4.</b>	<b>Address Neurological Emergencies:</b> Formulate and implement management plans for acute and chronic pediatric neurological emergencies using evidence-based practices.
<b>PSO 5.</b>	<b>Interpret Neuroimaging and Investigations:</b> Analyze neuroimaging and laboratory investigations to enhance diagnostic accuracy and guide effective treatment strategies.
<p style="text-align: center;"><b>Program Specific Outcomes - DM in Medical Oncology</b>  <b>After successful completion of the program the graduate will be able to:</b></p>	
<b>PSO 1.</b>	<b>Analyze Cancer Pathogenesis:</b> Evaluate the molecular and genetic mechanisms of cancer, including inherited and acquired abnormalities, to guide diagnosis and treatment strategies.
<b>PSO 2.</b>	<b>Conduct Comprehensive Cancer Assessments:</b> Perform comprehensive clinical evaluations, including diagnostic workups, staging, and molecular testing, to develop individualized management plans.
<b>PSO 3.</b>	<b>Administer Systemic Therapies:</b> Deliver chemotherapy, immunotherapy, and targeted therapy effectively in both curative and metastatic settings to optimize patient outcomes.
<b>PSO 4.</b>	<b>Perform Oncological Procedures:</b> Independently perform essential procedures such as bone marrow aspiration, biopsy, trucut biopsy, and central line insertion with precision and safety.
<b>PSO 5.</b>	<b>Coordinate Multimodal Cancer Care:</b> Integrate and coordinate systemic therapies with other treatment modalities for holistic and effective cancer management.

<p style="text-align: center;"><b>Program Specific Outcomes - DM in Neonatology</b>  <b>After successful completion of the program the graduate will be able to:</b></p>	
<b>PSO 1.</b>	<b>Provide Comprehensive Neonatal Care:</b> Deliver expert clinical care for well-babies, preterm infants, critically ill neonates, and neonates with complex medical, surgical, or congenital cardiac conditions, including pre- and post-operative stabilization.
<b>PSO 2.</b>	<b>Coordinate Multidisciplinary Neonatal Management:</b> Collaborate effectively with interdisciplinary teams, including obstetricians, pediatricians, pediatric surgeons, and neonatal nurses, to provide integrated care for the mother, fetus, and newborn across various healthcare settings.
<b>PSO 3.</b>	<b>Establish and Manage Neonatal Units:</b> Plan, establish, and independently manage Level I, Level II, and Level III neonatal care units, ensuring the delivery of high-quality neonatal services.

<b>PSO 4.</b>	<b>Implement National Neonatal Health Initiatives:</b> Apply the principles of the National Health Policy and ethical standards to deliver neonatal care that aligns with public health goals and policies.
<b>PSO 5.</b>	<b>Lead Neonatal Care Programs:</b> Function as a leader in neonatal healthcare delivery, capable of developing and supervising neonatal services to meet the needs of the community at all levels.

## **PROGRAM SPECIFIC OUTCOMES (PSO) FOR MPH**

### **Program Specific Outcomes (PSOs) for Master of Public Health (MPH)**

After successful completion of the program the graduate will be able to:

<b>PSO 1</b>	<b>Assess Population Health and Determinants:</b> Analyse the health status of populations, identify determinants of health and illness, and design innovative strategies for disease prevention and health promotion.
<b>PSO 2</b>	<b>Utilize Health Management Information Systems:</b> Apply health data and analytics from Health Management Information Systems (HMIS) to enhance the effectiveness and impact of public health programs.
<b>PSO 3</b>	<b>Foster Multisectoral Collaborations:</b> Develop and lead interdisciplinary and intersectoral collaborations to address public health challenges through comprehensive and coordinated approaches.
<b>PSO 4</b>	<b>Advocate for Evidence-Based Policies:</b> Formulate and advocate for evidence-based policies, laws, and regulations to address public health issues and improve population health outcomes.
<b>PSO 5</b>	<b>Promote Community-Based Public Health Interventions:</b> Design and implement community-focused public health interventions that address local health needs and contribute to sustainable health improvements.

### **Program Specific Outcomes (PSOs) for Master of Public Health (MPH) in Epidemiology**

After successful completion of the program the graduate will be able to:

<b>PSO 1</b>	<b>Apply Epidemiological Methods:</b> Design and conduct epidemiological studies using appropriate methods to investigate and address public health problems.
<b>PSO 2</b>	<b>Analyse Health Determinants:</b> Evaluate the health status of populations, identify determinants of health and illness, and develop innovative strategies for disease prevention and health promotion.
<b>PSO 3</b>	<b>Leverage Health Information Systems:</b> Utilize data from Health Management Information Systems (HMIS) to identify health trends and improve the effectiveness of public health interventions.
<b>PSO 4</b>	<b>Collaborate Across Sectors:</b> Develop and foster interdisciplinary and intersectoral collaborations to comprehensively address complex public health challenges.
<b>PSO 5</b>	<b>Advocate Evidence-Based Policies:</b> Formulate and promote evidence-based policies, laws, and regulations that influence public health outcomes and drive systemic change.

**Program Specific Outcomes (PSOs) for Master of Public Health (MPH) in Health Economics and Outcome Research**

After successful completion of the program the graduate will be able to:

<b>PSO 1</b>	<b>Evaluate Cost-Effectiveness and Economic Value:</b> Apply health economic principles to assess incremental cost efficiency, determine optimal clinical applications, and evaluate the overall economic value of health interventions.
<b>PSO 2</b>	<b>Analyze Population Health and Determinants:</b> Assess the health status of populations, identify key determinants of health and illness, and develop innovative, evidence-based strategies for disease prevention.
<b>PSO 3</b>	<b>Utilize Health Information Systems for Decision Making:</b> Leverage data from Health Management Information Systems (HMIS) to identify health problems and improve the effectiveness of public health initiatives.
<b>PSO 4</b>	<b>Promote Interdisciplinary and Intersectoral Collaboration:</b> Foster collaboration across disciplines and sectors to comprehensively address public health challenges and improve healthcare delivery outcomes
<b>PSO 5</b>	<b>Advocate for Evidence-Based Health Policies:</b> Develop and advocate for evidence-based policies, laws, and regulations to enhance public health systems, with a focus on economic sustainability and improved health outcomes

## **Program Specific Outcomes (PSOs) for Master of Public Health (MPH) in Health Care Quality & Safety**

After successful completion of the program the graduate will be able to:

<b>PSO 1</b>	<b>Assess and Improve Health Care Quality &amp; Safety:</b> Identify and address healthcare quality and safety issues to prevent adverse events, suboptimal care, ineffective treatments, and clinical variations, while developing strategies to enhance patient safety and care efficiency.
<b>PSO 2</b>	<b>Evaluate Health Status and Determinants:</b> Assess population health status and identify key determinants of health and illness to develop innovative strategies for disease prevention and optimal health outcomes using health services.
<b>PSO 3</b>	<b>Leverage Health Information Systems for Improvement:</b> Use Health Management Information Systems (HMIS) to identify health problems and improve the effectiveness of healthcare delivery and public health activities.
<b>PSO 4</b>	<b>Foster Interdisciplinary Collaboration:</b> Develop and promote interdisciplinary and intersectoral collaborations to comprehensively address health care quality and safety challenges across diverse healthcare systems.
<b>PSO 5</b>	<b>Advocate for Evidence-Based Health Policies:</b> Advocate for and contribute to the development of evidence-based policies, laws, and regulations that promote healthcare quality, safety, and improved public health outcomes.

## Program Specific Outcomes for Master of Dental Surgery

### DEPARTMENT OF ORAL MEDICINE & RADIOLOGY

After successful completion of the program the graduate will be able to:

PSO1	<b>Oral Disease Expertise :</b> Apply principles of basic sciences, etiopathogenesis, clinical features and radiographic features for the management of oral diseases and oral manifestations of systemic diseases.
PSO2	<b>Diagnostic Proficiency :</b> Demonstrate proficiency in prescribing, performing and interpreting required chairside investigations, conventional & specialized imaging for oral and systemic diseases.
PSO3	<b>Forensic Odontology Skills :</b> Demonstrate proficiency in forensic odontology for identification, age, and gender determination.

## Program Specific Outcomes for Master of Dental Surgery

### DEPARTMENT OF PUBLIC HEALTH DENTISTRY

After successful completion of the program the graduate will be able to:

PSO1	<b>Prevention and Management:</b> Identify & manage dental diseases in individual, community, specially-abled and vulnerable patients and plan & apply different levels of prevention effectively.
PSO2	<b>Epidemiology and Research:</b> Illustrate, compare, and interpret incidence, prevalence and changing concepts of various dental diseases across demographics and apply knowledge of biostatistics and research methodologies in dental public health.
PSO3	<b>Health Systems and Policies:</b> Discuss various local, state, and federal government bodies and dental health auxiliaries involved in healthcare delivery, explain the tiers of the healthcare delivery system, and describe different mechanisms and implications of various dental finance systems in India.
PSO4	<b>Behavioral and Environmental Factors:</b> Assess behavioral patterns and their implications on dental health and treatment, recognize the role of diet and nutrition in dental health, and manage environmental factors affecting general and dental health.

## DEPARTMENT OF PROSTHODONTICS

After successful completion of the program the graduate will be able to:

PSO1	<b>Edentulous Rehabilitation:</b> Diagnose, plan, and demonstrate skills for managing different edentulous situations with removable and fixed prosthesis (crown & bridge and dental implants).
PSO2	<b>Full Mouth Rehabilitation (FMR):</b> Analyze, plan, and demonstrate the skill of delivering comprehensive treatment for severely worn dentition.
PSO3	<b>Smile Designing:</b> Identify, diagnose, and demonstrate the skills for managing cases involving smile design
PSO4	<b>Maxillofacial and TMJ Disorders:</b> Diagnose and manage maxillofacial defects and TMJ disorders.

### Program Specific Outcomes for Master of Dental Surgery

### Program Specific Outcomes for Master of Dental Surgery

## DEPARTMENT OF ORAL PATHOLOGY AND MICROBIOLOGY

After successful completion of the program the graduate will be able to:

PSO1	<b>Disease Knowledge:</b> Discuss the etiopathogenesis, clinico-pathological characteristics, of systemic manifestations of diseases affecting the oral and maxillofacial regions.
PSO2	<b>Clinical-Histopathological Correlation:</b> Formulate a histopathological diagnosis of oral diseases by correlating clinical findings with histopathological results to provide diagnostic reports.
PSO3	<b>Diagnostic Proficiency:</b> Demonstrate proficiency in diagnosing oral diseases through clinical examination, radiographic interpretation, and microscopic evaluation of cytology & biopsies.
PSO4	<b>Diagnostic Skills:</b> Apply basic and advanced laboratory techniques and tools for the diagnosis of oral and maxillofacial pathologies.
PSO5	<b>Proficiency in Forensic odontology:</b> Apply the forensic odontology principles and techniques across various forensic case scenarios.

## Program Specific Outcomes for Master of Dental Surgery

### DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

After successful completion of the program the graduate will be able to:

PSO1	<b>Comprehensive Patient Assessment:</b> Demonstrate in-depth knowledge of basic sciences to Conduct comprehensive patient assessments, apply diagnostic imaging, and laboratory tests to formulate an appropriate surgical treatment plan.
PSO2	<b>Anesthesia and Minor Surgery:</b> Demonstrate the ability to administer local .anesthesia and perform minor oral surgical procedures.
PSO3	<b>Emergency Management:</b> Recognize and manage medical emergencies in the dental clinic, and handle vulnerable patients.
PSO4	<b>Surgical and Postoperative Care:</b> Conduct preoperative assessments for general anesthesia, assist in performing safe surgeries, and provide effective postoperative care including medico-legal aspects

## Program Specific Outcomes for Master of Dental Surgery

### DEPARTMENT OF PEDIATRIC & PREVENTIVE DENTISTRY

After successful completion of the program the graduate will be able to:

PSO1	<b>Comprehensive Pediatric Dentistry :</b> Apply comprehensive pediatric dental evaluation, preventive, interceptive and therapeutic treatment strategies for periodontal, restorative, traumatic dental injuries, orthodontic problems, child abuse and neglect, interdisciplinary treatment approaches and specialty practice management effectively.
PSO2	<b>Development and Function Analysis:</b> Analyze the development, Structure and function of the oral and peri-oral tissues teeth. In health and disease, and their impact on overall health and social wellbeing of the patient.
PSO3	<b>Behaviour Management and Counseling:</b> Implement effective behavior management techniques in pediatric dentistry for normal and differently-abled children and provide counseling to expectant mothers and parents on preventive dentistry.
PSO4	<b>Oral Health Outreach Programs:</b> integrate implementation of national oral health programs.

## Program Specific Outcomes for Master of Dental Surgery

### DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS

After successful completion of the program the graduate will be able to:

PSO1	<b>Advanced Diagnostic Skills:</b> Demonstrate advanced diagnostic capabilities for identifying and managing complex cases in conservative dentistry and endodontics, including comprehensive assessments of restorative needs and root canal pathologies.
PSO2	<b>Innovative Treatment Planning:</b> Develop and execute sophisticated treatment plans for intricate restorative procedures and endodontic therapies, integrating the latest techniques and materials to achieve optimal patient outcomes.
PSO3	<b>Technological Integration:</b> Utilize advanced dental technologies, including digital imaging, CAD/CAM systems, and other emerging tools, to enhance diagnostic accuracy, treatment precision, and procedural efficiency.
PSO4	<b>Advanced Endodontic Procedures:</b> Demonstrate proficiency in performing advanced endodontic procedures, including complex root canal therapies, retreatments, and management of endodontic emergencies, to resolve challenging clinical situations.
PSO5	<b>Restorative Excellence:</b> Exhibit skill in executing complex restorative procedures, including aesthetic and functional restorations, to restore teeth to optimal health and function in a conservative manner.

## Program Specific Outcomes for Master of Dental Surgery

### DEPARTMENT OF ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS

After successful completion of the program the graduate will be able to:

PSO1	<b>Diagnostics Proficiency:</b> Utilize basic and advanced orthodontic diagnostic aids, including digital technology, to achieve accurate diagnoses through meticulous record-keeping and interpretation.
PSO2	<b>Malocclusion Management:</b> Identify various forms of malocclusions and develop comprehensive treatment plans to achieve ideal alignment of teeth, considering associated skeletal and soft tissue factors and Conduct regular orthodontic reviews and

	recalls, ensuring adherence to optimal alignment, levelling, space closure, finishing, and retention protocols.
PSO3	<b>Evidence-Based Treatment:</b> Implement orthodontic treatments using state-of-the-art mechanotherapy techniques and materials, based on current best evidence.
PSO4	<b>Interdisciplinary Collaboration:</b> Provide orthodontic care for patients with developmental anomalies through interdisciplinary and interprofessional approaches, demonstrating effective communication, professionalism, teamwork, and ethical practices.
PSO5	<b>Appliance Designing:</b> Establish laboratory communication to design and fabricate removable and functional appliances, ensuring adherence to design norms and biomechanics for achieving ideal post-treatment occlusion, aesthetics, and function.

### Program Specific Outcomes for Master of Dental Surgery

#### DEPARTMENT OF PERIODONTOLOGY

After successful completion of the program the graduate will be able to:

PSO1	<b>Diagnosis and Prevention:</b> Utilize comprehensive knowledge of anatomy, disease mechanisms, and clinical features to accurately diagnose and prevent periodontal disease, and develop effective treatment plans based on risk factors and clinical assessments.
PSO2	<b>Clinical Expertise:</b> Develop expertise in performing non-surgical therapy, resective, reconstructive, and plastic periodontal surgeries using conventional, advanced, and laser techniques, and manage surgical and prosthetic aspects of dental implants and peri-implantitis treatment.
PSO3	<b>Interdisciplinary Management:</b> Manage complex periodontal cases with an interdisciplinary approach, addressing compromised systemic health and full-mouth rehabilitation.
PSO4	<b>Patient Education:</b> Educate and motivate patients on periodontal maintenance protocols to ensure long-term successful and stable periodontal health.

### PROGRAM OUTCOMES

<b>PO 1.</b>	<b>Advanced Pharmaceutical Knowledge:</b> Demonstrate in-depth knowledge of disease etiology, Drug Discovery and formulation development, Advanced Clinical Practices, & Treatment Modalities across various health conditions
<b>PO 2.</b>	<b>Problem Solving and Planning Abilities:</b> Demonstrate advanced critical thinking and problem-solving abilities to address complex pharmaceutical issues, and apply strategic planning skills to design and implement effective solutions in drug development, formulation, and patient care.
<b>PO 3.</b>	<b>Technical Competence and Advanced Decision-Making:</b> Attain proficiency in advanced pharmaceutical technologies and laboratory procedures while enhancing clinical decision-making through problem-based, evidence-based practices, and advanced diagnostic techniques.
<b>PO 4.</b>	<b>Research Proficiency and Data Analysis:</b> Develop skills in designing, conducting, and evaluating research studies, and utilize statistical tools for analyzing and interpreting pharmaceutical data.
<b>PO 5.</b>	<b>Ethical &amp; Professional Conduct:</b> Demonstrate a strong commitment to ethical principles, legal standards, and professional conduct in all aspects of health care practice and research.
<b>PO 6.</b>	<b>Effective Communication:</b> Develop excellent verbal and written communication skills for interacting with patients, families, and healthcare professionals including scribing research protocols, dissertations & Publications.
<b>PO 7.</b>	<b>Interdisciplinary and Interprofessional Collaboration:</b> Evaluate and integrate knowledge from various health science disciplines while working effectively within an interprofessional team to enhance patient care and health outcomes through collaborative decision-making.
<b>PO 8.</b>	<b>Leadership &amp; Management Skills:</b> Exhibit leadership and management skills in clinical, Laboratory & industry settings, including the ability to lead teams, manage resources, and implement health policies.
<b>PO 9.</b>	<b>Quality Improvement and lifelong learning:</b> Engage in quality improvement initiatives to enhance healthcare effectiveness and safety while committing to lifelong learning and continuous professional development through self-directed and ongoing education.
<b>PO 10.</b>	<b>Patient-Centered Care:</b> Provide empathetic, culturally competent, and patient-centered care that respects the dignity and diversity of patients.

### PSO (Programme Specific Outcomes) for M. PHARM (PHARMACEUTICS)

After successful completion of post graduate program, the student will be able to:

<b>PSO 1.</b>	<b>Formulation Design and Manufacturing:</b> Develop, optimize, and validate pharmaceutical and cosmetic formulations, while applying advanced knowledge in manufacturing processes, scale-up, and technology transfer.
<b>PSO 2.</b>	<b>Innovative Drug Delivery Systems:</b> Develop expertise in creating and optimizing novel and targeted drug delivery systems, including the rational selection of drugs, polymers, and methodologies for effective formulation and delivery.
<b>PSO 3.</b>	<b>Pharmacokinetics and Biopharmaceutics:</b> Analyse ADME profiles to optimize drug dosage forms, apply dose calculations and adjustments, and utilize biopharmaceutics principles for drug performance and bioavailability. Leverage computational tools for drug disposition modelling and formulation development.
<b>PSO 4.</b>	<b>Quality Assurance &amp; Regulatory Compliance:</b> Implement quality assurance measures and adhere to regulatory standards and GMP guidelines in pharmaceutical production to ensure product safety and efficacy.

### PSO (Programme Specific Outcomes) for M. PHARM (PHARMACEUTICAL CHEMISTRY)

After successful completion of post graduate program, the student will be able to:

<b>PSO 1.</b>	<b>Mechanisms and Laboratory Proficiency:</b> Analyze chemical interactions and their impact on drug candidates, integrating pharmacodynamics and pharmacokinetics, while demonstrating proficiency in laboratory techniques and modern instrumentation for pharmaceutical research.
<b>PSO 2.</b>	<b>Drug Discovery and Design:</b> Illustrate the drug development process by investigating, designing, and optimizing natural and synthetic strategies to create new chemical entities, applying expertise in organic and medicinal chemistry for the synthesis and evaluation of new drug compounds
<b>PSO 3.</b>	<b>Green Chemistry and Sustainable Practices:</b> Analyze the applicability of green chemistry principles to develop drug design strategies that are economically viable and environmentally friendly, with reduced steps, minimal waste, and lower pollution.
<b>PSO 4.</b>	<b>Analytical Methods and Quality Control:</b> Develop and apply analytical methods using chromatographic and spectroscopic techniques to ensure drug standardization and implement quality control processes for safe and effective pharmaceutical products.

### PSO (Programme Specific Outcomes) for M. PHARM (PHARMACOLOGY)

After successful completion of post graduate program, the student will be able to:

<b>PSO 1.</b>	<b>Advanced Pharmacodynamics and Pharmacokinetics:</b> Explain drug action & molecular mechanisms and analyze ADME processes to optimize therapeutic strategies, dosage regimens, and manage drug interactions and adverse effects.
<b>PSO 2.</b>	<b>Experimental Pharmacology and Molecular Biology:</b> Demonstrate proficiency in designing, executing, and interpreting in vitro and in vivo pharmacological experiments, as well as molecular biology techniques.
<b>PSO 3.</b>	<b>Toxicology, Safety, and Ethics:</b> Evaluate drug toxicology and safety, apply ethical principles, regulatory requirements and principles of omics & bioinformatics in drug discovery and development.
<b>PSO 4.</b>	<b>Advanced Therapeutics &amp; Clinical Applications:</b> Apply pharmacological principles to optimize therapeutic outcomes, appreciate the importance of chrono-pharmacology and recent advancements in drug therapies.

### PSO (Programme Specific Outcomes) for M. PHARM (PHARMACEUTICAL ANALYSIS)

After successful completion of post graduate program, the student will be able to:

<b>PSO 1.</b>	<b>Proficiency in Analytical Techniques:</b> Demonstrate proficiency with sophisticated analytical techniques, including the operation and application of spectroscopic, chromatographic, and other advanced analytical instruments.
<b>PSO 2.</b>	<b>Analytical &amp; Bio-Analytical Method Development and Validation:</b> Develop, validate, and apply methods for the qualitative and quantitative analysis of pharmaceuticals, cosmetics, herbals, and food products to ensure accuracy and precision in meeting industry standards.
<b>PSO 3.</b>	<b>Hyphenated Techniques:</b> Explain various hyphenated analytical instruments, integrating these methods to enhance the analysis and characterization of complex substances.
<b>PSO 4.</b>	<b>Quality Assurance and Regulatory Compliance:</b> Adopt pharmacopoeial standards and international guidelines in quality control and assurance, ensuring the safety, efficacy, and quality of pharmaceutical products, realising the regulatory aspects involved.

### PSO (Programme Specific Outcomes) for M. PHARM (PHARMACOGNOSY)

After successful completion of post graduate program, the student will be able to:

<b>PSO 1.</b>	<b>Phytoconstituent Identification and Standardization:</b> Acquire expertise in identifying, extracting, isolating, characterizing, and standardizing chemical constituents from natural sources, including cultivation, collection, and biotechnological approaches in phytochemistry.
<b>PSO 2.</b>	<b>Phytopharmaceutical and Nutraceutical Formulation:</b> Formulate and evaluate phytopharmaceuticals, nutraceuticals, and cosmeceuticals from natural sources using advanced techniques with enhanced therapeutic efficacy and safety.
<b>PSO 3.</b>	<b>Innovation in Traditional Medicine:</b> Provide innovative solutions to challenges in the Indian system of medicine using modern techniques, integrating traditional knowledge with contemporary science.
<b>PSO 4.</b>	<b>Quality Assurance and Regulatory Compliance:</b> Apply modern analytical techniques to ensure the quality, safety, and efficacy of phytopharmaceuticals, while adhering to industry standards, regulatory requirements, and intellectual property rights (IPR) in an industrial setup.

### PSO for M. PHARM (PHARMACEUTICAL QUALITY ASSURANCE)

After successful completion of post graduate program, the student will be able to:

<b>PSO 1.</b>	<b>Quality Management and Control:</b> Develop a thorough understanding of quality management principles, including GMP, GLP, and TQM, and master quality control and assurance practices to ensure pharmaceutical products meet safety, efficacy, and quality standards.
<b>PSO 2.</b>	<b>Industrial Training and Practical Skills:</b> Acquire hands-on experience and practical skills essential for pharmaceutical manufacturing by applying Standard Operating Procedures (SOPs) and quality assurance protocols to ensure product safety and regulatory compliance.
<b>PSO 3.</b>	<b>Validation and Compliance:</b> Apply validation principles, such as process, equipment, and method validation, to enhance product quality and ensure adherence to regulatory requirements.
<b>PSO 4.</b>	<b>Hazard Management &amp; Risk Mitigation:</b> Identify and manage chemical, biological, and physical hazards in pharmaceutical industries, implementing strategies for risk assessment and mitigation.
<b>PSO 5.</b>	<b>Regulatory Compliance:</b> Gain expertise in regulatory affairs, including understanding the regulatory landscape, requirements for product registration, and compliance with international standards and guidelines in the pharmaceutical industry

## **PROGRAM SPECIFIC OUTCOMES (PSO) FOR MPT**

### **PSOs FOR MASTER OF PHYSIOTHERAPY IN CARDIOVASCULAR AND PULMONARY**

After successful completion of the program the graduate will be able to:

<b>PSO 1</b>	<b>Clinical Assessment Proficiency:</b> Conduct comprehensive cardiovascular and pulmonary assessments, utilizing both subjective and objective measures to accurately diagnose and evaluate patient conditions.
<b>PSO 2</b>	<b>Intervention and Treatment Planning:</b> Develop and implement evidence-based physiotherapy intervention plans tailored to the individual needs of patients with cardiovascular and pulmonary conditions, including critical care management.
<b>PSO 3</b>	<b>Advanced Clinical Skills Application:</b> Apply advanced clinical skills in real-world settings, performing manual therapies, and other specialized techniques to improve patient outcomes in cardiovascular and pulmonary rehabilitation.
<b>PSO 4</b>	<b>Outreach &amp; Tele-rehabilitation:</b> Utilizing telecommunication technologies to deliver remote rehabilitation services which will allow therapists to track progress and offer guidance without requiring in-person appointments.

## **PSOs FOR MASTER OF PHYSIOTHERAPY IN COMMUNITY PHYSIOTHERAPY**

After successful completion of the program the graduate will be able to:

<b>PSO 1</b>	<b>Evidence-Based Community Intervention:</b> Critically evaluate, prioritize, and apply evidence-based approaches to raise awareness and prevent various conditions, injuries, impairments, or disabilities at the community level, using appropriate skills and techniques for effective evaluation, care, and rehabilitation.
<b>PSO 2</b>	<b>Community Needs Assessment:</b> Conduct comprehensive assessments of community health needs, identify prevalent conditions and disabilities, and develop holistic physiotherapy intervention strategies to address these issues effectively.
<b>PSO 3</b>	<b>Rehabilitation Program Design:</b> Develop and implement tailored rehabilitation programs that are culturally appropriate, sustainable, and responsive to the unique needs of individuals and communities, ensuring inclusivity and accessibility.
<b>PSO 4</b>	<b>Public Health and Prevention:</b> Promote awareness of public health initiatives and preventive measures within the community to reduce the incidence of disabilities and enhance overall community well-being through education and outreach programs.

### **PSOs FOR MASTER OF PHYSIOTHERAPY IN GERIATRICS**

After successful completion of the program the graduate will be able to:

<b>PSO 1</b>	<b>Biomechanics and Aging:</b> Analyse the biomechanical aspects, theories, and processes of aging, distinguishing between successful and unsuccessful aging.
<b>PSO 2</b>	<b>Assessment &amp; Critical Evaluation:</b> Critically evaluate and prioritize elderly patients with various conditions and multisystem disabilities related to geriatric health.
<b>PSO 3</b>	<b>Interventions &amp; Rehabilitation:</b> Develop evidence-based physiotherapy interventions to manage common geriatric conditions, creating tailored treatment and rehabilitation plans.
<b>PSO 4</b>	<b>Integration of Geroscience and Gerotechnology:</b> Integrate new knowledge and technologies in Geroscience and Gerotechnology into clinical practice to ensure cost-effective, high-quality healthcare for elderly patients.

## **PSOs FOR MASTER OF PHYSIOTHERAPY IN NEUROLOGICAL PHYSIOTHERAPY**

After successful completion of the program the graduate will be able to:

<b>PSO 1</b>	<b>Mastery in Evidence Based Practice:</b> Demonstrate understanding of neurological conditions and their pathophysiology, conducting comprehensive assessments using physical examinations, patient history, standardized tool and evidence-based interventions.
<b>PSO 2</b>	<b>Expertise in neuro-patient assessment:</b> Must exhibit the ability to perform detailed and advanced physiotherapy assessment by utilizing advanced diagnostic tools and integrate the findings to create a comprehensive picture of the patient's neurological status.
<b>PSO 3</b>	<b>Advanced patient care proficiency:</b> Develop and apply advanced therapeutic techniques and modalities, adhering to ethical principles, professional standards and legal framework including patient rights and confidentiality.
<b>PSO 4</b>	<b>Comprehensive Rehabilitation with Assistive Technology:</b> Utilize tele-health platforms as a part of tele rehabilitation to offer neuro rehabilitation through video conferencing using digitally accessible patient's friendly device and guidance regarding exercises, assessment of patient performance out comes, and adjustment of treatment plans in real-time.
<b>PSO 5</b>	<b>Artificial Intelligence &amp; Technology:</b> Integrate Artificial Intelligence in Neuro-Physiotherapy and utilize advanced technologies to enhance neurological rehabilitation practices.

## **PSOs FOR MASTER OF PHYSIOTHERAPY IN OBSTETRICS AND GYNAECOLOGY**

After successful completion of the program the graduate will be able to:

<b>PSO 1</b>	<b>OBG Assessment &amp; Evaluation:</b> Critically evaluate, prioritize, and apply evidence-based physiotherapy approaches in obstetric and gynaecological conditions, using appropriate skills and techniques for effective patient care and rehabilitation.
<b>PSO 2</b>	<b>Obstetric Physiotherapy Care:</b> Implement tailored physiotherapy interventions for obstetric conditions throughout pregnancy, postpartum recovery, including optimizing pelvic floor function and addressing pain and functional impairments.
<b>PSO 3</b>	<b>Rehabilitation in Gynaecology:</b> Comprehensive Management of gynaecological conditions from adolescence to menopause, while developing and delivering education programs that empower women through self-care strategies, exercise routines, and lifestyle modifications to enhance their overall quality of life.
<b>PSO 4</b>	<b>Technology integration &amp; Tele-rehabilitation:</b> Enhance obstetrics and gynecology care by combining conventional methods with outreach and tele-rehabilitation to effectively support patients in need of specialized physiotherapy services, ensuring broad and equitable access to care.

## **PSOs FOR MASTER OF PHYSIOTHERAPY IN ORTHOPAEDIC MANUAL THERAPY**

After successful completion of the program the graduate will be able to:

<b>PSO 1</b>	<b>Advanced Diagnostic Proficiency:</b> Utilize advanced diagnostic techniques to conduct thorough orthopaedic and manual therapy assessments of musculoskeletal disorders.
<b>PSO 2</b>	<b>Patient-Centered Care:</b> Develop and implement individualized treatment plans that address each patient's specific needs, preferences, and goals. Incorporate manual therapy techniques, utilizing case studies, treatment planning assignments, patient education and feedback to enhance care satisfaction and treatment effectiveness.
<b>PSO 3</b>	<b>Advanced Therapeutic Proficiency:</b> Apply specialized manual therapy techniques, including joint mobilizations and soft tissue methods, to effectively treat and manage musculoskeletal conditions.
<b>PSO 4</b>	<b>Outcome Measurement and Evaluation:</b> Employ advanced methods for measuring and evaluating treatment outcomes, ensuring effectiveness and making necessary adjustments to therapy plans based on patient progress and feedback.

## **PSOs FOR MASTER OF PHYSIOTHERPAY IN ORTHOPAEDICS**

After successful completion of the program the graduate will be able to:

<b>PSO 1</b>	<b>Advanced Musculoskeletal Assessment Diagnostic Proficiency:</b> Demonstrate comprehensive knowledge and proficiency in evidence-based assessment to identify and evaluate musculoskeletal conditions, utilizing advanced diagnostic techniques to accurately diagnose neuro-musculoskeletal conditions.
<b>PSO 2</b>	<b>Preoperative and Postoperative Care:</b> Develop and implement effective preoperative and postoperative physiotherapy protocols for patients undergoing Orthopaedic surgeries, ensuring optimal recovery and management of complications.
<b>PSO 3</b>	<b>Orthopaedic Therapeutic Techniques:</b> Demonstrate proficiency in applying a wide range of evidence based basic and advanced orthopaedic therapeutic techniques in addition to integrated pain management strategies, including manual therapy, exercise prescription, patient education and physical modalities to treat neuromusculoskeletal disorders to enhance patient outcome.
<b>PSO 4</b>	<b>Patient Centred Approach:</b> Implement effective patient centred approach for the neuro-musculoskeletal system so as to enhance patient outcomes in community and hospital settings.
<b>PSO 5</b>	<b>Artificial Intelligence &amp; Technology:</b> Develop and integrate basic knowledge of Artificial Intelligence and Technology with patient assessment and application of patient care through tele-rehabilitation.

## **PSOs FOR MASTER OF PHYSIOTHERAPY IN ONCOLOGY**

After successful completion of the program the graduate will be able to:

<b>PSO 1</b>	<b>Oncological Assessment Proficiency:</b> Conduct comprehensive assessments of patients with cancer, identifying the physical, functional, and psychosocial impacts of cancer and its treatments to develop individualized physiotherapy care plans.
<b>PSO 2</b>	<b>Evidence-Based Management:</b> Assess, prioritize, and implement evidence-based strategies for managing adverse effects of cancer and its treatments, using appropriate skills and techniques to ensure effective patient care and rehabilitation to enhance quality of life and functional independence.
<b>PSO 3</b>	<b>Supportive and Palliative physiotherapeutic Care:</b> Provide supportive care to oncology patients, focusing on improving their physical function, reducing symptoms, and enhancing overall well-being, while also contributing to palliative care strategies to support patients in advanced stages of cancer.
<b>PSO 4</b>	<b>Outreach and Tele-rehabilitation:</b> Effectively contribute to the care of oncology patients through both traditional and innovative methods, including the use of outreach and tele-rehabilitation to extend the reach of oncology physiotherapy services to those who need it most.

## **PSO FOR MASTER OF PHYSIOTHERAPY IN PEDIATRICS**

After successful completion of the program the graduate will be able to:

<b>PSO 1</b>	<b>Master Evidence-Based Pediatric Practice:</b> Develop the ability to critically appraise and apply evidence-based methods for managing pediatric conditions and disabilities, incorporating the latest research and technologies to enhance patient care and rehabilitation outcomes.
<b>PSO 2</b>	<b>Pediatric Assessment Expertise:</b> Develop proficiency in conducting comprehensive assessments of infants, children, and adolescents using advanced screening, diagnostic, and therapeutic tools to accurately identify and evaluate a range of conditions, including genetic, congenital, developmental, neuromuscular, musculoskeletal, cardiorespiratory, metabolic, and oncological, for effective treatment planning.
<b>PSO 3</b>	<b>Specialized Pediatric Interventions:</b> Apply evidence-based physiotherapy interventions tailored to each child's unique needs across various settings, from NICU to school-based environments.
<b>PSO 4</b>	<b>Comprehensive Rehabilitation with Assistive Technology:</b> Develop and implement detailed rehabilitation programs with the multidisciplinary team for children recovering from surgery, injury, or illness, incorporating assistive technology and adaptive equipment to restore function, improve mobility, and enhance quality of life through individualized therapeutic strategies.
<b>PSO 5</b>	<b>Execution of Personalized Pediatric Care Plans:</b> Plan, execute, and monitor personalized home exercise programs and interventions, to manage and support the rehabilitation of children with various paediatric conditions, ensuring holistic care and improved functional outcomes.

## **PSOs FOR MASTER OF PHYSIOTHERAPY IN SPORTS**

After successful completion of the program the graduate will be able to:

<b>PSO 1</b>	<b>Sports Injury Management:</b> Demonstrate comprehensive knowledge and skills in evaluating, treating, and training for sports injuries and fitness.
<b>PSO 2</b>	<b>Assessment and Exercise Planning:</b> Develop competency in taking patient histories, performing on-field examinations, and planning physiotherapy management for sports individuals. Create and adapt exercises for injury prevention.
<b>PSO 3</b>	<b>On-Field Injury &amp; Emergency Management:</b> Develop and apply skills in on-field injury management, including immediate care, stabilization, and decision-making for acute sports injuries during training and competitions. Understand recent advances in sports physiotherapy and effectively evaluate and manage all types of sports-related emergencies.
<b>PSO 4</b>	<b>Advanced Sports Injury Assessment:</b> Conduct detailed assessments of sports-related injuries using advanced diagnostic techniques to accurately identify the nature and extent of injuries, facilitating effective treatment planning.
<b>PSO 5</b>	<b>Sports-Specific Rehabilitation Techniques &amp; Biomechanical Analysis in Sports:</b> Implement evidence-based rehabilitation programs tailored to athletes, focusing on injury recovery, prevention, and performance enhancement to ensure a safe and efficient return to sport. Utilize biomechanical analysis to assess and correct movement patterns and techniques in athletes, optimizing performance and minimizing injury risks.

**PSOs FOR MASTER OF PHYSIOTHERAPY IN BIOMECHANICS, PHYSICAL AND FUNCTIONAL DIAGNOSIS**

After successful completion of the program the graduate will be able to:

<b>PSO 1</b>	<b>Biomechanical Analysis Proficiency:</b> Perform basic and advanced (3D gait and isokinetic strength) biomechanical and ergonomic assessments to identify movement dysfunctions in various field like orthopaedic, sports, neurology, and paediatrics and contribute to the formulation of treatment protocols.
<b>PSO 2</b>	<b>Clinical Application of Biomechanics:</b> Apply biomechanical principles effectively to diagnose, treat, and prevent neuro-musculoskeletal conditions in clinical and industrial settings.
<b>PSO 3</b>	<b>Research and Evidence Integration:</b> Design, conduct, and critically evaluate biomechanical research, integrating evidence-based practices with other departments of Physiotherapy and incorporating newer technology to enhance patient outcomes.
<b>PSO 4</b>	<b>Interdisciplinary Collaboration:</b> Collaborate with healthcare professionals and biomedical engineers leveraging biomechanical expertise to contribute to comprehensive patient care and rehabilitation.
<b>PSO 5</b>	<b>Innovation Therapeutic Techniques:</b> Develop and implement kinesiotherapeutic techniques and technologies for effective patient care



## M. Sc. Nursing Programme

### ➤ Program Outcomes

1.	<b>Advanced Nursing Knowledge:</b> Demonstrate in-depth knowledge of Pathophysiology, Drug Discovery, Advanced Clinical Practices, & Treatment Modalities across various health conditions
2.	<b>Interdisciplinary Integration &amp; Collaboration:</b> Integrate Nursing science knowledge with other health science disciplines to improve Patient Care & Health Outcomes and Work effectively as part of an interprofessional healthcare team, fostering collaboration and shared decision-making.
3.	<b>Technical Competence &amp; Clinical Decision-Making:</b> Attain proficiency in use of advanced medical technologies, and Laboratory, Clinical & Patient Care Procedures and develop Clinical Decision-making Skills through Problem-based & Evidence-based Practices and Advanced Diagnostic Techniques.
4.	<b>Research Proficiency:</b> Develop skills in designing, conducting, and evaluating research studies, including the application of appropriate methodologies and statistical tools.
5.	<b>Ethical &amp; Professional Conduct:</b> Demonstrate a strong commitment to ethical principles, legal standards, and professional conduct in all aspects of health care practice and research.
6.	<b>Patient-Centered Care:</b> Provide empathetic, culturally competent, and patient-centered care that respects the dignity and diversity of patients
7.	<b>Effective Communication:</b> Develop excellent verbal and written communication skills for interacting with patients, families, and healthcare professionals including scribing research protocols, dissertations & Publications.
8.	<b>Leadership &amp; Management Skills:</b> Exhibit leadership and management skills in clinical, Laboratory, academic & industry settings, including the ability to be an educator, lead teams, manage resources, and implement health policies
9.	<b>Quality Improvement:</b> Engage in quality improvement initiatives aimed at enhancing the effectiveness, safety, and efficiency of healthcare systems & services.
10.	<b>Continuous Professional Development:</b> Commit to lifelong learning and continuous professional development through self-directed learning, professional activities, and ongoing education.

### ➤ Programme Specific Objectives:

The Post-Graduate Nursing program will prepare the post graduates to:

- Assume responsibilities as nurse specialists, consultants, educators, administrators and researchers in a wide variety of professional setting.
- Prepare nurses who can make independent decisions in nursing situations, protect the rights of individuals and groups in pursuit of health, function in the hospital, community nursing services and conduct research studies in the areas of nursing practice.
- Assume the role of teacher, supervisor and manager in a various dynamic health care setting.

## CLINICAL SPECIALTY

### OBSTETRIC AND GYNAECOLOGICAL NURSING

After successful completion of the program the graduate will be able to:

<b>PSO1:</b>	<b>Advanced Obstetric and Gynecologic Management:</b> Demonstrate advanced skills in managing obstetric and gynecologic conditions including the ability to analyze complex deviations and making appropriate referrals.
<b>PSO2:</b>	<b>Comprehensive Assessment and Care Planning:</b> Conduct thorough assessments and develop differential diagnoses, and formulate evidence-based care plans for women across the lifespan, integrating biophysical, psychological, and spiritual aspects.
<b>PSO3:</b>	<b>Proficiency in Obstetric and Gynaecologic Care:</b> Exhibit expertise in obstetric and gynaecologic procedures, including emergency management and critical care, ensuring high standards of patient safety and outcomes.
<b>PSO 4:</b>	<b>Holistic and Culturally Sensitive Counseling:</b> Offer comprehensive, culturally sensitive guidance to adolescents, women, and families on pregnancy, childbirth, lactation, and reproductive health, addressing their physical, emotional, and educational needs while respecting and incorporating diverse backgrounds and values.
<b>PSO 5:</b>	<b>Advanced Pharmacological Knowledge:</b> Integrate advanced knowledge of pharmacological agents and their effects into reproductive health care during pregnancy, childbirth, and postpartum while staying updated with recent advancements.

### MEDICAL SURGICAL NURSING

After successful completion of the program the graduate will be able to:

<b>PSO1:</b>	<b>Specialized Medical-Surgical Expertise:</b> Develop advanced expertise as a specialized Medical-Surgical Nurse and provide holistic care to patients.
<b>PSO 2:</b>	<b>Proficient Patient Assessment:</b> Demonstrate proficiency in performing physical and psychosocial assessments of Medical-Surgical patients and apply the nursing process effectively.
<b>PSO 3:</b>	<b>Family-Centered Care for Chronic Conditions:</b> Integrate family-centered nursing care with the management of genetic, congenital, and long-term illnesses for comprehensive and personalized care.
<b>PSO 4:</b>	<b>Emergency and Complex Condition Management:</b> Recognize and manage emergencies and complex conditions in Medical-Surgical patients.
<b>PSO 5:</b>	<b>Evidence-Based Practice and Research:</b> Apply evidence-based nursing practices, identify research opportunities, and use recent technologies to improve patient outcomes.

## **CHILD HEALTH (PAEDIATRIC) NURSING**

After successful completion of the program the graduate will be able to:

<b>PSO1:</b>	<b>Advanced Pediatric Nursing Expertise: Develop advanced expertise in pediatric nursing by applying concepts of growth and development to provide comprehensive care for pediatric clients and their families.</b>
<b>PSO2:</b>	<b>Family-Centered Pediatric Care: Integrate family-centered care approaches into the management of pediatric patients, addressing genetic disorders, congenital malformations, and long-term illnesses to ensure holistic and personalized care.</b>
<b>PSO3:</b>	<b>Advanced Technology in Pediatric Care: Utilize advanced technologies and treatment modalities in the management of high-risk neonates and pediatric patients with various medical and surgical conditions, enhancing patient outcomes.</b>
<b>PSO 4:</b>	<b>Evidence-Based Pediatric and Neonatal Practice: Incorporate evidence-based nursing practices in pediatric and neonatal care, identifying and pursuing research opportunities to improve clinical practices.</b>
<b>PSO 5:</b>	<b>Demonstrate proficiency in performing comprehensive assessments and interventions for pediatric patients, ensuring effective management of acute and chronic conditions.</b>
<b>PSO 6:</b>	<b>Function as an educator and leader within the field of pediatric nursing, contributing to the development of nursing practice through teaching, management, and research activities.</b>

## **MENTAL HEALTH (PSYCHIATRIC) NURSING**

After successful completion of the program the graduate will be able to:

<b>PSO1:</b>	<b>Advanced Psychiatric Nursing Expertise: Develop advanced expertise in psychiatric nursing by applying knowledge of personality development, human behavior, and psychobiology to effectively manage and treat mental disorders.</b>
<b>PSO2:</b>	<b>Therapeutic Communication and Relationship Building: Demonstrate therapeutic communication skills and establish therapeutic relationships with individuals and groups, enhancing patient engagement and promoting mental well-being</b>
<b>PSO3:</b>	<b>Proficiency in Therapeutic Modalities: Exhibit proficiency in various therapeutic modalities and assertive techniques, utilizing evidence-based practices and integrating recent research to enhance mental health care and professional practice.</b>
<b>PSO 4:</b>	<b>Integrative Psychopharmacology and Alternative Medicine: Apply psychopharmacological principles and the nursing role in administering and monitoring psychotropic medications, while incorporating and evaluating complementary approaches to enhance comprehensive psychiatric patient care.</b>

## COMMUNITY HEALTH NURSING

After successful completion of the program the graduate will be able to:

<b>PSO1:</b>	<b>Expertise in Community Health Assessments: Develop expertise in community health nursing by performing comprehensive physical, developmental and nutritional assessments of individuals, families &amp; groups within the community.</b>
<b>PSO2:</b>	<b>Holistic Community Health Care: Apply concepts of promotive, preventive, curative, and rehabilitative health in delivering holistic care to individuals and communities, addressing diverse health needs and promoting overall well-being.</b>
<b>PSO3:</b>	<b>Intersectoral Community Health Coordination: Coordinate and collaborate with various community agencies using an inter-sectoral approach to enhance community health outcomes and address complex health challenges.</b>
<b>PSO 5:</b>	<b>Technology-Enhanced Community Health Interventions: Utilize recent technologies and care modalities to enhance community health nursing interventions, ensuring the delivery of up-to-date and effective care in diverse community settings.</b>

## INCUBATION AGREEMENT

This Incubation Agreement ("Agreement") is entered into on 14-06-2024, between KAHER Incubation & Innovation Centre (KIIC), a unit of KLE Academy of Higher Education & Research, located at Belagavi, herein referred to as "University", and Lenek Technologies private limited, located at GNO 1599 P FLNO A 503 ABHANG VISHWA, DEHU ALANDI ROAD PUNE, MAHARASHTRA – 411062, herein referred to as "Startup".

### WHEREAS

The KLE Academy of Higher Education and Research (KAHER), Belagavi is a Deemed to be University established u/s 3 of the UGC Act, 1956 on 13th April 2006, offering Under-Graduate, Post-Graduate and Post-doctoral courses in Medical, Dental, Pharmacy, Ayurveda, Homoeopathy, Physiotherapy, Nursing Science and Allied Health Science Courses. The KAHER endeavors to create a supportive and nurturing environment for start-ups in the healthcare and medical technology sectors, and to help them develop and launch innovative products and services that improve the lives of patients and healthcare providers through the KAHER Incubation & Innovation Centre (KIIC)

The Company deals in the business of Medical Equipment

KIIC, through this Agreement, agrees to incubate the Company for the Program, subject to the detailed terms and conditions of this Agreement.

### Purpose of Agreement

The purpose of this Agreement is to establish the terms and conditions under which the Startup will participate in the incubation program offered by the University.

The objective of the agreement.

- Promote & interact with, and source technology/expertise, whenever possible, from faculty members and research scholars and laboratory infrastructure of the Incubator, subject to the rules, regulations, and policy of the "university", as amended from time to time.
- Help in getting other kinds of techno-managerial expertise required that is not available within the Centre.
- Incubating novel technology and business ideas into viable commercial products or services.

### Duration

This Agreement shall commence on 6<sup>th</sup> May, 2024 and shall remain in effect until terminated by either party with One-month prior written notice.

### Incubation Services

The University agrees to provide the following services to the Startup during the term of this Agreement:

- Access to office space, facilities, and equipment as deemed necessary for the development and operation of the Startup.
- Mentorship, guidance, and support from university faculty, staff, and industry experts.
- Networking opportunities with other startups, investors, and industry stakeholders.
- Educational and training programs relevant to the needs of the Startup.
- Access to University resources, including libraries, laboratories, and research facilities.

- The Receiving Party may disclose any of the Confidential Information to any governmental body having jurisdiction over this Agreement or in response to a valid order of a court or if such disclosure is otherwise required by law provided that the Receiving Party, has first given prior written notice to the Disclosing Party and has made all reasonable efforts to protect the Confidential Information in connection with such disclosure.

## Termination

Upon termination of this Agreement

- The Incubatee shall handover the vacant possession of the Incubator Premises in good condition along with all Facilities in perfect working condition and return keys and access cards and other materials and equipment provided by the Incubator. The incubator may charge damages in case of any loss to the Incubation Premises/Facilities of the Incubator by the negligence or any act of the Incubatee.
- The Incubator shall refund the interest-free Security Deposit, subject to deductions of any outstanding and/or unpaid Incubation Charges and/or any amounts required to repair the damages if any caused, to the Incubation Premises and other Facilities/Additional Facilities and/or any amounts payable by the Incubatee under the Agreement, if any.
- The Termination of the Agreement will not affect the obligations of the liability of the Company to pay the consideration as set forth in as outlined in Annexure - A of the agreement and this will not be disputed by the Company.

## Governing Law

This Agreement shall be governed in all respects by the laws of the Republic of India.

## Dispute resolution; jurisdiction

- If any dispute arises between the Parties during the subsistence of this Agreement or thereafter, in connection with the validity, interpretation, implementation, or alleged breach of any provision of this Agreement or regarding a question, including the question as to whether the termination of this Agreement by any Party hereto has been legitimate, the Parties hereto shall endeavor to settle such dispute amicably.
- In case of such failure, any of the Parties to the dispute shall be entitled to refer the dispute to a sole arbitrator, to be appointed with the mutual consent of the Parties for Arbitration proceedings under the Indian Arbitration Act, 1996. The Place of the arbitration shall be exclusively Belagavi and the cost of arbitration shall be shared equally by the parties. The arbitration proceedings shall be conducted in English and the arbitral award shall also be stated in English. The Parties agree that the arbitration award shall be final and binding on the Parties.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed by their respective duly authorized officers as of the date first above written.

For KAHER Incubation & Innovation Centre (KIIC)

  
Authorized Signatory

Ritesh. Deshpande  
General Manager - KIIC

**RITESH DESHPANDE**  
General Manager  
KAHER - Incubation and  
Innovation Centre, BELAGAVI.



Ritesh Deshpande  
General Manager

For Lenek Technologies Private Limited:

Sidesh

Sidesh Kumar

Director

## **INCUBATION AGREEMENT**

This Incubation Agreement ("Agreement") is entered into on [4/11/2024], between KAHER Incubation & Innovation Centre (KIIC), a unit of KLE Academy of Higher Education & Research, located at Belagavi, herein referred to as "University", and Xfinito Biodesigns Private Limited (Zeuron.ai), located at 677 1ST Floor, Suite 325, 13TH Cross Sector-1, HSR Layout, Bengaluru, Karnataka 560102, herein referred to as "Startup".

### **WHEREAS**

The KLE Academy of Higher Education and Research (KAHER), Belagavi is a Deemed to be University established u/s 3 of the UGC Act, 1956 on 13th April 2006, offering Under-Graduate, Post-Graduate and Post-doctoral courses in Medical, Dental, Pharmacy, Ayurveda, Homoeopathy, Physiotherapy, Nursing Science and Allied Health Science Courses. The KAHER endeavors to create a supportive and nurturing environment for start-ups in the health care and medical technology sectors, and to help them develop and launch innovative products and services that improve the lives of the patients and health care providers through KAHER Incubation & Innovation Centre (KIIC)

The Company deals in the business of Xfinito Biodesigns Private Limited (Zeuron.ai)

KIIC, through this Agreement, agrees to incubate the Company for the Program, subject to the detailed terms and conditions of this Agreement.

### **Purpose of Agreement**

The purpose of this Agreement is to establish the terms and conditions under which the Startup will participate in the incubation program offered by the University.

The objective of the agreement.

- Promote & interact with, and source technology/expertise, whenever possible, from faculty members and research scholars and laboratory infrastructure of the Incubator, subject to the rules, regulations and policy of the "university", as amended time to time.
- Help in getting other kinds of techno-managerial expertise required that is not available within the Centre.
- Incubating novel technology and business ideas into viable commercial products or services.

### **Duration**

This Agreement shall commence on 04.11.2024 and shall remain in effect until terminated by either party with \_\_\_\_\_ prior written notice.

### **Incubation Services**

The University agrees to provide the following services to the Startup during the term of this Agreement:

- Access to office space, facilities, and equipment as deemed necessary for the development and operation of the Startup.
- Mentorship, guidance, and support from University faculty, staff, and industry experts.
- Networking opportunities with other startups, investors, and industry stakeholders.
- Educational and training programs relevant to the needs of the Startup.
- Access to University resources, including libraries, laboratories, and research facilities.

For Xfinito Biodesigns Private Limited



Director

given prior written notice to the Disclosing Party and has made all reasonable efforts to protect the Confidential Information in connection with such disclosure.

## Termination

Upon termination of this Agreement

- The Incubatee shall handover the vacant possession of the Incubator Premises in good condition along with all Facilities in perfect working condition and return keys and access cards and other materials and equipment provided by the Incubator. Incubator may charge damages in case of any loss to the Incubation Premises/Facilities of the Incubator by the negligence or any act of the Incubatee.
- The Incubator shall refund the interest free Security Deposit, subject to deductions of any outstanding and/or unpaid Incubation Charges and/or any amounts required to repair the damages if any caused, to the Incubation Premises and other Facilities/Additional Facilities and/or any amounts payable by the Incubatee under the Agreement, if any.
- The Termination of the Agreement will not affect the obligations of the liability of the Company to pay the consideration as set forth in clause 4 of this Agreement and this will not be disputed by the Company.

## Governing Law

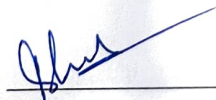
This Agreement shall be governed in all respects by the laws of the Republic of India.

## Dispute resolution; jurisdiction

- If any dispute arises between the Parties during the subsistence of this Agreement or thereafter, in connection with the validity, interpretation, implementation or alleged breach of any provision of this Agreement or regarding a question, including the question as to whether the termination of this Agreement by any Party hereto has been legitimate, the Parties hereto shall endeavor to settle such dispute amicably.
- In case of such failure, any of the Parties to the dispute shall be entitled to refer the dispute to a sole arbitrator, to be appointed with the mutual consent of the Parties for Arbitration proceedings under the Indian Arbitration Act, 1996. The Place of the arbitration shall be exclusively Belagavi and the cost of arbitration shall be shared equally by the parties. The arbitration proceedings shall be conducted in English and the arbitral award shall also be stated in English. The Parties agree that the arbitration award shall be final and binding on the Parties.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed by their respective duly authorized officers as of the date first above written.

For KAHER Incubation & Innovation Centre (KIIC)



Authorized Signatory

[Printed Name] Ritesh Deshpande

[Title] G.M.

**RITESH DESHPANDE**  
General Manager  
KAHER - Incubation and  
Innovation Centre, BELAGAVI.



For Xfinito Biodesigns Private Limited



Director

## **INCUBATION AGREEMENT**

This Incubation Agreement ("Agreement") is entered into on 08-10-2024, between KAHER Incubation & Innovation Centre (KIIC), a unit of KLE Academy of Higher Education & Research, located at Belagavi, herein referred to as "University", and Superceuticals Private Limited located at 19, Infocity 2, Sector 33, Gurgaon - 122001 herein referred to as "Startup".

### **WHEREAS**

The KLE Academy of Higher Education and Research (KAHER), Belagavi is a Deemed to be University established u/s 3 of the UGC Act, 1956 on 13th April 2006, offering Under-Graduate, Post-Graduate and Post-doctoral courses in Medical, Dental, Pharmacy, Ayurveda, Homoeopathy, Physiotherapy, Nursing Science and Allied Health Science Courses. The KAHER endeavours to create a supportive and nurturing environment for start-ups in the health care and medical technology sectors, and to help them develop and launch innovative products and services that improve the lives of the patients and health care providers through KAHER Incubation & Innovation Centre (KIIC)

The Company deals in the business of the sale, marketing, manufacturing, and trading of medical equipment, devices, concoctions, and formulations, as well as the research, development, and manufacturing of diagnostic equipment, algorithms, software, and hardware solutions, with a focus on healthcare innovations, including AI-driven diagnostic tools and predictive healthcare analytics.

KIIC, through this Agreement, agrees to incubate the Company for the Program, subject to the detailed terms and conditions of this Agreement.

### **Purpose of Agreement**

The purpose of this Agreement is to establish the terms and conditions under which the Startup will participate in the incubation program offered by the University.

The objective of the agreement.

- Promote & interact with, and source technology/expertise, whenever possible, from faculty members and research scholars and laboratory infrastructure of the Incubator, subject to the rules, regulations and policy of the "university", as amended time to time.
- Help in getting other kinds of techno-managerial expertise required that is not available within the Centre.
- Incubating novel technology and business ideas into viable commercial products or services.

## Governing Law

This Agreement shall be governed in all respects by the laws of the Republic of India.

## Entire Agreement.



This Agreement is the entire agreement between the parties concerning the incubation and superseded all prior oral and written agreements between them. No waiver, alteration or cancellation of any of the provisions of the Agreement shall be binding unless made in writing and signed by the Party to be bound.

## Dispute resolution; jurisdiction

- If any dispute arises between the Parties during the subsistence of this Agreement or thereafter, in connection with the validity, interpretation, implementation or alleged breach of any provision of this Agreement or regarding a question, including the question as to whether the termination of this Agreement by any Party hereto has been legitimate, the Parties hereto shall endeavor to settle such dispute amicably.
- In case of such failure, any of the Parties to the dispute shall be entitled to refer the dispute to a sole arbitrator, to be appointed with the mutual consent of the Parties for Arbitration proceedings under the Indian Arbitration Act, 1996. The Place of the arbitration shall be exclusively Belagavi and the cost of arbitration shall be shared equally by the parties. The arbitration proceedings shall be conducted in English and the arbitral award shall also be stated in English. The Parties agree that the arbitration award shall be final and binding on the Parties.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed by their respective duly authorized officers as of the date first above written.

For KAHER Incubation & Innovation  
Centre (KIIC)



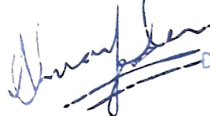
Authorized Signatory

[Printed Name] Ritesh Deshpande

[Title] General Manager

**RITESH DESHPANDE**  
General Manager  
KAHER - Incubation and  
Innovation Centre, BELAGAVI.

For Superceuticals Private Limited:



SUPERCEUTICALS PVT. LTD.  
Director

Authorized Signatory

Atman Jadon

Director

## INCUBATION AGREEMENT

This Incubation Agreement ("Agreement") is entered into on 21/10/2024, between KAHER Incubation & Innovation Centre (KIIC), a unit of KLE Academy of Higher Education & Research, located at Belagavi, herein referred to as "University", and Plabs Solutions Pvt. Ltd., located at G-86, Patel Nagar - III, Ghaziabad, UP - 201001, herein referred to as "Startup".

### **WHEREAS**

The KLE Academy of Higher Education and Research (KAHER), Belagavi is a Deemed to be University established u/s 3 of the UGC Act, 1956 on 13th April 2006, offering Under-Graduate, Post-Graduate and Post-doctoral courses in Medical, Dental, Pharmacy, Ayurveda, Homoeopathy, Physiotherapy, Nursing Science and Allied Health Science Courses. The KAHER endeavours to create a supportive and nurturing environment for start-ups in the health care and medical technology sectors, and to help them develop and launch innovative products and services that improve the lives of the patients and health care providers through KAHER Incubation & Innovation Centre (KIIC)

The Company deals in the business of building artificial intelligence based products and software for various purposes including diagnosis of various diseases using mobile phone like neonatal jaundice.

KIIC, through this Agreement, agrees to incubate the Company for the Program, subject to the detailed terms and conditions of this Agreement.

### **Purpose of Agreement**

The purpose of this Agreement is to establish the terms and conditions under which the Startup will participate in the incubation program offered by the University.

The objective of the agreement.

- Promote & interact with, and source technology/expertise, whenever possible, from faculty members and research scholars and laboratory infrastructure of the Incubator, subject to the rules, regulations and policy of the "university", as amended time to time.
- Help in getting other kinds of techno-managerial expertise required that is not available within the Centre.
- Incubating novel technology and business ideas into viable commercial products or services.

### **Duration**

This Agreement shall commence on 21/10/2024, and shall remain in effect until terminated by either party with 1 month prior written notice.

### **Incubation Services**

The University agrees to provide the following services to the Startup during the term of this Agreement:



IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed by their respective duly authorized officers as of the date first above written.

For KAHER Incubation & Innovation Centre (KIIC)



Authorized Signatory

[Printed Name] Ritesh. Deshpande

[Title] General manager.

RITESH DESHPANDE  
General Manager  
KAHER - Incubation and  
Innovation Centre, BELAGAVI.

For Plabs Solutions Pvt. Ltd.:

For Plabs Solutions Pvt. Ltd.

[Authorized Signature]

Prashant Chaudhary

Director

A handwritten signature in blue ink, appearing to read "Prashant Chaudhary", written over a horizontal line.

Director

## **INCUBATION AGREEMENT**

This Incubation Agreement ("Agreement") is entered into on [4/11/2024], between KAHER Incubation & Innovation Centre (KIIC), a unit of KLE Academy of Higher Education & Research, located at Belagavi, herein referred to as "University", and [ Medantrik medtech Pvt Ltd ], located at [ 1909,6 Yogendra Vihar,naubasta Kanpur, Uttar Pradesh, India, [208021](#) ], herein referred to as "Startup".

### **WHEREAS**

The KLE Academy of Higher Education and Research (KAHER), Belagavi is a Deemed to be University established u/s 3 of the UGC Act, 1956 on 13th April 2006, offering Under-Graduate, Post-Graduate and Post-doctoral courses in Medical, Dental, Pharmacy, Ayurveda, Homoeopathy, Physiotherapy, Nursing Science and Allied Health Science Courses. The KAHER endeavors to create a supportive and nurturing environment for start-ups in the health care and medical technology sectors, and to help them develop and launch innovative products and services that improve the lives of the patients and health care providers through KAHER Incubation & Innovation Centre (KIIC)

The Company deals in the business of Healthcare & Life Sciences

KIIC, through this Agreement, agrees to incubate the Company for the Program, subject to the detailed terms and conditions of this Agreement.

### **Purpose of Agreement**

The purpose of this Agreement is to establish the terms and conditions under which the Startup will participate in the incubation program offered by the University.

The objective of the agreement.

- Promote & interact with, and source technology/expertise, whenever possible, from faculty members and research scholars and laboratory infrastructure of the Incubator, subject to the rules, regulations and policy of the "university", as amended time to time.
- Help in getting other kinds of techno-managerial expertise required that is not available within the Centre.
- Incubating novel technology and business ideas into viable commercial products or services.

### **Duration**

This Agreement shall commence on [Start Date] and shall remain in effect until terminated by either party with [Notice Period] prior written notice.

### **Incubation Services**

The University agrees to provide the following services to the Startup during the term of this Agreement:

- Access to office space, facilities, and equipment as deemed necessary for the development and operation of the Startup.
- Mentorship, guidance, and support from University faculty, staff, and industry experts.
- Networking opportunities with other startups, investors, and industry stakeholders.
- Educational and training programs relevant to the needs of the Startup.
- Access to University resources, including libraries, laboratories, and research facilities.

given prior written notice to the Disclosing Party and has made all reasonable efforts to protect the Confidential Information in connection with such disclosure.

### Termination

Upon termination of this Agreement

- The Incubatee shall handover the vacant possession of the Incubator Premises in good condition along with all Facilities in perfect working condition and return keys and access cards and other materials and equipment provided by the Incubator. Incubator may charge damages in case of any loss to the Incubation Premises/Facilities of the Incubator by the negligence or any act of the Incubatee.
- The Incubator shall refund the interest free Security Deposit, subject to deductions of any outstanding and/or unpaid Incubation Charges and/or any amounts required to repair the damages if any caused, to the Incubation Premises and other Facilities/Additional Facilities and/or any amounts payable by the Incubatee under the Agreement, if any.
- The Termination of the Agreement will not affect the obligations of the liability of the Company to pay the consideration as set forth in clause 4 of this Agreement and this will not be disputed by the Company.

### Governing Law

This Agreement shall be governed in all respects by the laws of the Republic of India.

### Dispute resolution; jurisdiction

- If any dispute arises between the Parties during the subsistence of this Agreement or thereafter, in connection with the validity, interpretation, implementation or alleged breach of any provision of this Agreement or regarding a question, including the question as to whether the termination of this Agreement by any Party hereto has been legitimate, the Parties hereto shall endeavor to settle such dispute amicably.
- In case of such failure, any of the Parties to the dispute shall be entitled to refer the dispute to a sole arbitrator, to be appointed with the mutual consent of the Parties for Arbitration proceedings under the Indian Arbitration Act, 1996. The Place of the arbitration shall be exclusively Belagavi and the cost of arbitration shall be shared equally by the parties. The arbitration proceedings shall be conducted in English and the arbitral award shall also be stated in English. The Parties agree that the arbitration award shall be final and binding on the Parties.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed by their respective duly authorized officers as of the date first above written.

For KAHER Incubation & Innovation Centre (KIIC)


Authorized Signatory

[Printed Name]

**RITESH DESHPANDE**

[Title]

**General Manager**

**KAHER - Incubation and  
Innovation Centre, BELAGAVI.**

For Medantrik Medtech Pvt Ltd :



---

[Authorized Signature]

Priyaranjan Tiwari

CEO & Director

## **INCUBATION AGREEMENT**

**This Incubation Agreement ("Agreement") is entered into on [4/11/2024], between KAHER Incubation & Innovation Centre (KIIC), a unit of KLE Academy of Higher Education & Research, located at Belagavi, herein referred to as "University", and Easiofy Solutions Pvt. Ltd, , located at I 1607, AVJ heights, Sector Zeta 1, Greater Noida 201308, herein referred to as "Startup".**

### **WHEREAS**

The KLE Academy of Higher Education and Research (KAHER), Belagavi is a Deemed to be University established u/s 3 of the UGC Act, 1956 on 13th April 2006, offering Under-Graduate, Post-Graduate and Post-doctoral courses in Medical, Dental, Pharmacy, Ayurveda, Homoeopathy, Physiotherapy, Nursing Science and Allied Health Science Courses. The KAHER endeavors to create a supportive and nurturing environment for start-ups in the health care and medical technology sectors, and to help them develop and launch innovative products and services that improve the lives of the patients and health care providers through KAHER Incubation & Innovation Centre (KIIC)

The Company deals in the business of AI based products for Medical Imaging.

KIIC, through this Agreement, agrees to incubate the Company for the Program, subject to the detailed terms and conditions of this Agreement.

### **Purpose of Agreement**

The purpose of this Agreement is to establish the terms and conditions under which the Startup will participate in the incubation program offered by the University.

The objective of the agreement.

- Promote & interact with, and source technology/expertise, whenever possible, from faculty members and research scholars and laboratory infrastructure of the Incubator, subject to the rules, regulations and policy of the "university", as amended time to time.
- Help in getting other kinds of techno-managerial expertise required that is not available within the Centre.
- Incubating novel technology and business ideas into viable commercial products or services.

### **Duration**

This Agreement shall commence on [ ] and shall remain in effect until terminated by either party with [ ] prior written notice.

### **Incubation Services**

The University agrees to provide the following services to the Startup during the term of this Agreement:

- Access to office space, facilities, and equipment as deemed necessary for the development and operation of the Startup.
- Mentorship, guidance, and support from University faculty, staff, and industry experts.
- Networking opportunities with other startups, investors, and industry stakeholders.
- Educational and training programs relevant to the needs of the Startup.
- Access to University resources, including libraries, laboratories, and research facilities.

given prior written notice to the Disclosing Party and has made all reasonable efforts to protect the Confidential Information in connection with such disclosure.

## Termination

Upon termination of this Agreement

- The Incubatee shall handover the vacant possession of the Incubator Premises in good condition along with all Facilities in perfect working condition and return keys and access cards and other materials and equipment provided by the Incubator. Incubator may charge damages in case of any loss to the Incubation Premises/Facilities of the Incubator by the negligence or any act of the Incubatee.
- The Incubator shall refund the interest free Security Deposit, subject to deductions of any outstanding and/or unpaid Incubation Charges and/or any amounts required to repair the damages if any caused, to the Incubation Premises and other Facilities/Additional Facilities and/or any amounts payable by the Incubatee under the Agreement, if any.
- The Termination of the Agreement will not affect the obligations of the liability of the Company to pay the consideration as set forth in clause 4 of this Agreement and this will not be disputed by the Company.

## Governing Law

This Agreement shall be governed in all respects by the laws of the Republic of India.

## Dispute resolution; jurisdiction

- If any dispute arises between the Parties during the subsistence of this Agreement or thereafter, in connection with the validity, interpretation, implementation or alleged breach of any provision of this Agreement or regarding a question, including the question as to whether the termination of this Agreement by any Party hereto has been legitimate, the Parties hereto shall endeavor to settle such dispute amicably.
- In case of such failure, any of the Parties to the dispute shall be entitled to refer the dispute to a sole arbitrator, to be appointed with the mutual consent of the Parties for Arbitration proceedings under the Indian Arbitration Act, 1996. The Place of the arbitration shall be exclusively Belagavi and the cost of arbitration shall be shared equally by the parties. The arbitration proceedings shall be conducted in English and the arbitral award shall also be stated in English. The Parties agree that the arbitration award shall be final and binding on the Parties.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed by their respective duly authorized officers as of the date first above written.

For KAHER Incubation & Innovation Centre (KIIC)



Authorized Signatory

[Printed Name] Ritesh. Deshpande

[Title] G.M.



**BITESH DSHPANDE**  
**General Manager**  
**KAHER - Incubation and**  
**Innovation Centre, BELAGAVI.**

For Easiofy Solutions Pvt Ltd:

Noor Fatma



---

Authorized Signatory

Noor Fatma

Director

## INCUBATION AGREEMENT

This Incubation Agreement ("Agreement") is entered into on 23/11/2024, between KAHER Incubation & Innovation Centre (KIIC), a unit of KLE Academy of Higher Education & Research, located at Belagavi, herein referred to as "University", and Yantram Medtech Private Ltd, located at 301 Gowra Tulips, Vittal Rao Nagar, Madhapur, Hyderabad 500081, herein referred to as "Startup".

### WHEREAS

The KLE Academy of Higher Education and Research (KAHER), Belagavi is a Deemed to be University established u/s 3 of the UGC Act, 1956 on 13th April 2006, offering Under-Graduate, Post-Graduate and Post-doctoral courses in Medical, Dental, Pharmacy, Ayurveda, Homoeopathy, Physiotherapy, Nursing Science and Allied Health Science Courses. The KAHER endeavors to create a supportive and nurturing environment for start-ups in the health care and medical technology sectors, and to help them develop and launch innovative products and services that improve the lives of the patients and health care providers through KAHER Incubation & Innovation Centre (KIIC)

The Company deals in the business of manufacturing, designing of medical products inclusive of medical devices and software,

KIIC, through this Agreement, agrees to incubate the Company for the Program, subject to the detailed terms and conditions of this Agreement.

### Purpose of Agreement

The purpose of this Agreement is to establish the terms and conditions under which the Startup will participate in the incubation program offered by the University.

The objective of the agreement.

- Promote & interact with, and source technology/expertise, whenever possible, from faculty members and research scholars and laboratory infrastructure of the Incubator, subject to the rules, regulations and policy of the "university", as amended time to time.
- Help in getting other kinds of techno-managerial expertise required that is not available within the Centre.
- Incubating novel technology and business ideas into viable commercial products or services.

### Duration

This Agreement shall commence on 23/11/24 and shall remain in effect until terminated by either party with prior written notice.

### Incubation Services

The University agrees to provide the following services to the Startup during the term of this Agreement:

- Access to office space, facilities, and equipment as deemed necessary for the development and operation of the Startup.
- Mentorship, guidance, and support from University faculty, staff, and industry experts.
- Networking opportunities with other startups, investors, and industry stakeholders.
- Educational and training programs relevant to the needs of the Startup.
- Access to University resources, including libraries, laboratories, and research facilities.

given prior written notice to the Disclosing Party and has made all reasonable efforts to protect the Confidential Information in connection with such disclosure.

### Termination

Upon termination of this Agreement

- The Incubatee shall handover the vacant possession of the Incubator Premises in good condition along with all Facilities in perfect working condition and return keys and access cards and other materials and equipment provided by the Incubator. Incubator may charge damages in case of any loss to the Incubation Premises/Facilities of the Incubator by the negligence or any act of the Incubatee.
- The Incubator shall refund the interest free Security Deposit, subject to deductions of any outstanding and/or unpaid Incubation Charges and/or any amounts required to repair the damages if any caused, to the Incubation Premises and other Facilities/Additional Facilities and/or any amounts payable by the Incubatee under the Agreement, if any.
- The Termination of the Agreement will not affect the obligations of the liability of the Company to pay the consideration as set forth in clause 4 of this Agreement and this will not be disputed by the Company.

### Governing Law

This Agreement shall be governed in all respects by the laws of the Republic of India.

### Dispute resolution; jurisdiction

- If any dispute arises between the Parties during the subsistence of this Agreement or thereafter, in connection with the validity, interpretation, implementation or alleged breach of any provision of this Agreement or regarding a question, including the question as to whether the termination of this Agreement by any Party hereto has been legitimate, the Parties hereto shall endeavor to settle such dispute amicably.
- In case of such failure, any of the Parties to the dispute shall be entitled to refer the dispute to a sole arbitrator, to be appointed with the mutual consent of the Parties for Arbitration proceedings under the Indian Arbitration Act, 1996. The Place of the arbitration shall be exclusively Belagavi and the cost of arbitration shall be shared equally by the parties. The arbitration proceedings shall be conducted in English and the arbitral award shall also be stated in English. The Parties agree that the arbitration award shall be final and binding on the Parties.


IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed by their respective duly authorized officers as of the date first above written.

For KAHER Incubation & Innovation Centre (KIIC)

  
23/11/2024  
  
Authorized Signatory  
Mr. Ritesh Deshpande  
General Manager

**RITESH DESHPANDE**  
General Manager

For Yantram Medtech Private Ltd:

  
23/11/2024

Kanika Bansal

Director

## **INCUBATION AGREEMENT**

This Incubation Agreement ("Agreement") is entered into on [4/11/2024], between KAHER Incubation & Innovation Centre (KIIC), a unit of KLE Academy of Higher Education & Research, located at Belagavi, herein referred to as "University", and ASTROMEDA Space Pvt Ltd located at Bangalore, herein referred to as "Startup".

### **WHEREAS**

The KLE Academy of Higher Education and Research (KAHER), Belagavi is a Deemed to be University established u/s 3 of the UGC Act, 1956 on 13th April 2006, offering Under-Graduate, Post-Graduate and Post-doctoral courses in Medical, Dental, Pharmacy, Ayurveda, Homoeopathy, Physiotherapy, Nursing Science and Allied Health Science Courses. The KAHER endeavors to create a supportive and nurturing environment for start-ups in the healthcare and medical technology sectors, and to help them develop and launch innovative products and services that improve the lives of patients and healthcare providers through the KAHER Incubation & Innovation Centre (KIIC)

The Company deals in the business of design and development of fabric-based health monitoring systems for remote health monitoring systems

KIIC, through this Agreement, agrees to incubate the Company for the Program, subject to the detailed terms and conditions of this Agreement.

### **Purpose of Agreement**

The purpose of this Agreement is to establish the terms and conditions under which the Startup will participate in the incubation program offered by the University.

The objective of the agreement.

- Promote & interact with, and source technology/expertise, whenever possible, from faculty members and research scholars and laboratory infrastructure of the Incubator, subject to the rules, regulations, and policy of the "university", as amended from time to time.
- Help in getting other kinds of techno-managerial expertise required that is not available within the Centre.
- Incubating novel technology and business ideas into viable commercial products or services.

### **Duration**

This Agreement shall commence on ..... and shall remain in effect until terminated by either party with **60 days** prior written notice.

### **Incubation Services**

The University agrees to provide the following services to the Startup during the term of this Agreement:

- Access to office space, facilities, and equipment as deemed necessary for the development and operation of the Startup.

- The Receiving Party may disclose any of the Confidential Information to any governmental body having jurisdiction over this Agreement or in response to a valid order of a court or if such disclosure is otherwise required by law provided that the Receiving Party, has first given prior written notice to the Disclosing Party and has made all reasonable efforts to protect the Confidential Information in connection with such disclosure.

### **Termination**

Upon termination of this Agreement

- The Incubatee shall handover the vacant possession of the Incubator Premises in good condition along with all Facilities in perfect working condition and return keys and access cards and other materials and equipment provided by the Incubator. Incubator may charge damages in case of any loss to the Incubation Premises/Facilities of the Incubator by the negligence or any act of the Incubatee.
- The Incubator shall refund the interest free Security Deposit, subject to deductions of any outstanding and/or unpaid Incubation Charges and/or any amounts required to repair the damages if any caused, to the Incubation Premises and other Facilities/Additional Facilities and/or any amounts payable by the Incubatee under the Agreement, if any.
- The Termination of the Agreement will not affect the obligations of the liability of the Company to pay the consideration as set forth in clause 4 of this Agreement and this will not be disputed by the Company.

### **Governing Law**

This Agreement shall be governed in all respects by the laws of the Republic of India.

### **Dispute resolution; jurisdiction**

- If any dispute arises between the Parties during the subsistence of this Agreement or thereafter, in connection with the validity, interpretation, implementation or alleged breach of any provision of this Agreement or regarding a question, including the question as to whether the termination of this Agreement by any Party hereto has been legitimate, the Parties hereto shall endeavor to settle such dispute amicably.
- In case of such failure, any of the Parties to the dispute shall be entitled to refer the dispute to a sole arbitrator, to be appointed with the mutual consent of the Parties for Arbitration proceedings under the Indian Arbitration Act, 1996. The Place of the arbitration shall be exclusively Belagavi and the cost of arbitration shall be shared equally by the parties. The arbitration proceedings shall be conducted in English and the arbitral award shall also be stated in English. The Parties agree that the arbitration award shall be final and binding on the Parties.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed by their respective duly authorized officers as of the date first above written.

For KAHER Incubation & Innovation Centre (KIIC)





Authorized Signatory

[Printed Name]

[Title]

**RITESH DESHPANDE**  
**General Manager**  
**KAHER - Incubation and**  
**Innovation Centre, BELAGAVI.**

For Astromeda Space Pvt Ltd,



Rajaguru Nathan K  
Director,  
Astromeda Space Pvt Ltd  
Bangalore – 560043.



Ministry of Education  
Government of India



# Certificate

## NATIONAL INSTITUTIONAL RANKING FRAMEWORK

INDIA RANKINGS 2024

**KLE Vishwanath Katti Institute of Dental Sciences, Belgaum**  
**Ranked 29 in Dental Category**

CHAIRMAN, NBA

MEMBER SECRETARY, NBA





Ministry of Education  
Government of India



# Certificate

## NATIONAL INSTITUTIONAL RANKING FRAMEWORK

INDIA RANKINGS 2024

**KLE College of Pharmacy, Belgaum  
Ranked 42 in Pharmacy Category**

CHAIRMAN, NBA

MEMBER SECRETARY, NBA



ZERTIFIKAT ♦ CERTIFICATE ♦ 認証証書 ♦ CERTIFICADO ♦ CERTIFICAT



# CERTIFICATE

The Certification Body  
of TÜV SÜD South Asia Private Limited  
certifies that



**Dr.S.G.Desai Library**  
KLE Academy of Higher Education and research,  
JNMC Campus, Nehru Nagar, Belagavi – 590 010, India

has implemented Quality Management System  
in accordance with **ISO 9001:2015**  
for the scope of

**Provision of library services for students & faculties**

The certificate is valid from **2024-07-04** until **2027-07-03**  
Subject to successful completion of annual periodic audits

The present status of this certificate can be obtained through TÜV SÜD website by scanning below QR code and by entering the certificate number (without spaces) on web page. Further clarifications regarding the status & scope of this certificate may be obtained by consulting the certification body at [info.in@tuvsud.com](mailto:info.in@tuvsud.com)

Certificate Registration No. **99 100 24065**

Date of Initial certification: **2024-07-04**

Issue Date: **2024-07-04 Rev. 00**

Rahul Kale  
Head of Certification Body  
of TÜV SÜD South Asia Private Limited,  
**Mumbai**  
Member of TÜV SÜD Group



डॉ. (श्रीमती) पंकज मित्तल  
(पूर्व कुलपति, बीपीएस महिला विश्वविद्यालय, हरियाणा)  
महासचिव

Dr. (Mrs.) Pankaj Mittal  
(Former Vice Chancellor, BPS Women University, Haryana)  
Secretary General



भारतीय विश्वविद्यालय संघ  
Association of Indian Universities

AIU/AADC/2024  
August 5, 2024

**Subject: Establishment of AIU Academic and Administrative Development Center (AADC)**

Dear Dr. Gangane,

Warm Greetings from AIU!

At the outset, I would like to thank you for showing your keen interest in establishing AIU Academic and Administrative Development Centre (AIU-AADC) in your university as per the proposal submitted by you in response to our Notification dated 16.04.2024.

It gives me immense pleasure to inform you that the proposal has been approved. I congratulate you and your team for your commitment to this pioneering initiative by AIU, which aims to organize short-term advanced training and capacity-building programs for faculty members and administrative functionaries of universities and other HEIs. The focus of these centers is to provide training on the use of technology in teaching-learning, assessment & evaluation, governance, practicing online and blended modes of education, developing e-content, and other learning material. Additionally, programs will cover the management of modern institutions, with an emphasis on the effective use of recent technologies, including Artificial Intelligence, Machine Learning, Cyber Security, etc., in various university activities.

The complete structure of the proposed AADC and detailed guidelines are available on the AIU Website: [www.aiu.ac.in/AADC/Important Links](http://www.aiu.ac.in/AADC/Important Links). For your convenience, the specific links are provided below:

- AADC Proforma Link: [AADC Proforma](#)
- AADC Guidelines Link: [AADC Guidelines](#)

I am enclosing herewith a MoU specifying purpose, duration, scope & thrust areas and terms & conditions of AIU Academic and Administrative Development Center (AADC) to be established in your university. A token financial support to the tune of Rs. 2 Lakhs (as a one-time grant) will be provided by AIU for establishing the AADCs. Thereafter, the centers will operate on a self-financing/self-sustaining model. A duly signed MoU giving thereby the name and particulars of the Nodal Officer from the University may please be returned to Mrs. Ranjana Parihar, Joint Secretary, AIU for further details.

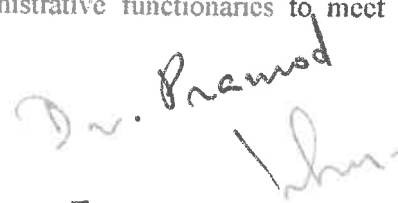
I am confident that under your able leadership, this pioneering initiative will achieve its objective of updating the knowledge and skills of faculty members and administrative functionaries to meet contemporary requirements.

With warm regards,

Yours sincerely,

  
(Pankaj Mittal)

Dr. Nitin M. Gangane  
Vice-Chancellor  
KLE Academy of Higher Education and Research  
Belagavi, Karnataka



To,  
Hon. VC Sir's Approval

AIU House, 16, Comrade Indrajit Gupta Marg (Kotla Marg), New Delhi-110 002

Phone: +91 11 2323 6105 Fax: +91 11 2323 2131 E-mail: [sgoffice@aiu.ac.in](mailto:sgoffice@aiu.ac.in), [pankajugc@gmail.com](mailto:pankajugc@gmail.com); Website: [www.aiu.ac.in](http://www.aiu.ac.in)

Private Institution  
Institution ID: 120694  
Valid until: 18 Jan 2025



Verifiable at:



For Quality Assurance in Higher education  
Our mission is to enhance the quality assurance mechanism

**Be it Known That**

## **KLE Academy of Higher Education and Research, Belagavi**

Has satisfactorily met all the standards prescribed by the Accreditation Committee concerning educational quality, institutional integrity and public accountability, through a voluntary, non-governmental review process of quality assurance and institutional development.

**FULL ACCREDITATION**

In testimony whereof, we have affixed our signature and the seal  
of the organisation this 19 Jan 2024

QAHE is currently recognized by



  
  
**Accreditation Committee**



QAHE is certified by  
AQS, UK

