

Undergraduate

PROSPECTUS



FACULTY OF MEDICAL SCIENCES

UNIVERSITY OF SRI JAYEWARDENEPURA

GANGODAWILA, NUGEGODA

LANDMARK OF MEDICAL EDUCATION IN SRI LANKA



**Faculty of Medical Sciences of the University of Sri Jayewardenepura
is one of the most prestigious Medical Faculty in Sri Lanka**

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MESSAGE FROM THE DEAN

It is with great pleasure that I welcome you to the Faculty of Medical Sciences of the University of Sri Jayewardenepura, one of the most prestigious medical faculties in Sri Lanka. Established in 1993, the Faculty of Medical Sciences is one of the eleven faculties in the largest University in Sri Lanka in terms of student numbers. We offer an excellent educational environment for learning, teaching and research in the fields of medicine and human biology. We are the only Faculty offers Human Biology programme in addition to the Medical degree programme.



Our main affiliated teaching hospitals are Colombo South Teaching Hospital, Sri Jayewardenepura General Hospital and Homagama Base Hospital. Colombo South Teaching Hospital and Sri Jayewardenepura General Hospital are considered as main tertiary referral centres in the island. These hospitals are well equipped with modern state-of-the-art technology and with a high patient enrolment and these institutions provide a truly world class patient centered learning environment. In addition to these hospitals the students are also trained at National Cancer Institute, Maharagama and National Institute of Mental Health, Angoda. The Faculty offers an extensive training programme in Family Medicine conducted at the modern Family Practice Centre, the first of such programmes initiated in Sri Lanka for training of family physicians.

In our constant effort to enhance students and staff friendly teaching and learning experiences, the Department of Medical Education regularly evaluates our teaching programmes and the

curricula are designed with much emphasis on staff and student feedbacks. We invite foreign students to join our excellent elective programme and to enjoy our Sri Lankan hospitality; learn medicine and health sciences in a tropical environment.

With many opportunities for basic and clinical research, the Faculty of Medical Sciences provides a worthy research environment for Faculty members and students. Research and development in the Faculty addresses national priorities and current global issues seeking to produce high impact, constantly relevant and internationally recognised research by close collaboration with key international research groups and laboratories.

Our high standards mean that the Faculty of Medical Sciences, University of Sri Jayewardenepura degree is respected both in Sri Lanka and abroad and our graduates are employed in the hospitals, medical centres, laboratories and biotech companies all over the world.

We warmly welcome you to journey with us through your field of interest in Medical and Human Biology in the Faculty of Medical Sciences of the University of Sri Jayewardenepura.

Professor Manori Gamage

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1. INTRODUCTION

The Faculty of Medical Sciences (FMS) of the University of Sri Jayewardenepura (USJP) was established in 1993 under the Universities Act No.16 of 1978 under section 21.

The first group of students was admitted to FMS on the 11th of March 1993. The Faculty has offered the degree programme Bachelor of Medicine and Surgery (MBBS) from its inception. The (B.Sc.) Human Biology programme was introduced in 1994.

The Faculty continually strives to uplift the standards of the institution, by paving the way for students to reach their full potential. The Faculty has strengthened its human resources and other infrastructure facilities during the past 33 years. In 2004 the Faculty revised its medical curriculum from a traditional subject-based to a system-based curriculum with horizontal and vertical integration. This new integrated and student centred curriculum was implemented in 2007. Throughout the short history of the Faculty, our undergraduates have secured high ranks in the common merit order and excelled in various postgraduate courses.

The Faculty comprises seventeen academic departments (pg.4). The Colombo South Teaching Hospital (CSTH), the Sri Jayewardenepura General Hospital (SJGH), and the Homagama Base Hospital serve as the main teaching hospitals for medical students. CSTH houses the University Professorial Units in the principal clinical disciplines.

The Faculty of Medical Sciences is located on the outskirts of the city of Colombo, within the premises of the University of Sri Jayewardenepura, together with eight other faculties. The travelling time to each of the main teaching hospitals, Colombo South Teaching Hospital-Kalubowila, Sri Jayewardenepura General Hospital and Homagama Base Hospital is about 30 minutes.

The Colombo South Teaching Hospital is the second largest government hospital in the Colombo district. It has a bed strength of about 1106, with a staff of over 2300 health care workers involved in patient care. In addition to the University professorial units, the hospital also runs a round-the-clock Out Patients Department (OPD) that



admits patients to wards of all major disciplines and several medical specialties. It is equipped with an Emergency Treatment Unit, Accident Service, several operating theatres, three intensive care units, an endoscopy unit and a dialysis unit among many other facilities.

The Sri Jayewardenepura General Hospital has a bed strength of 1072 and is served by a staff of 1597. It offers in-patient and out-patient services in all major disciplines as well as several medical specialties. SJGH is also equipped with several operating theatres, intensive care units and a range of the other facilities.



Colombo South Teaching Hospital is the second largest government hospital in the Colombo district. It has a bed strength of about 1100, with a staff of over 2300 health care workers involved in patient care. In addition to the University professorial units, the hospital also runs a round-the-clock Out Patients Department (OPD) that admits patients to wards of all major disciplines and several medical specialties.

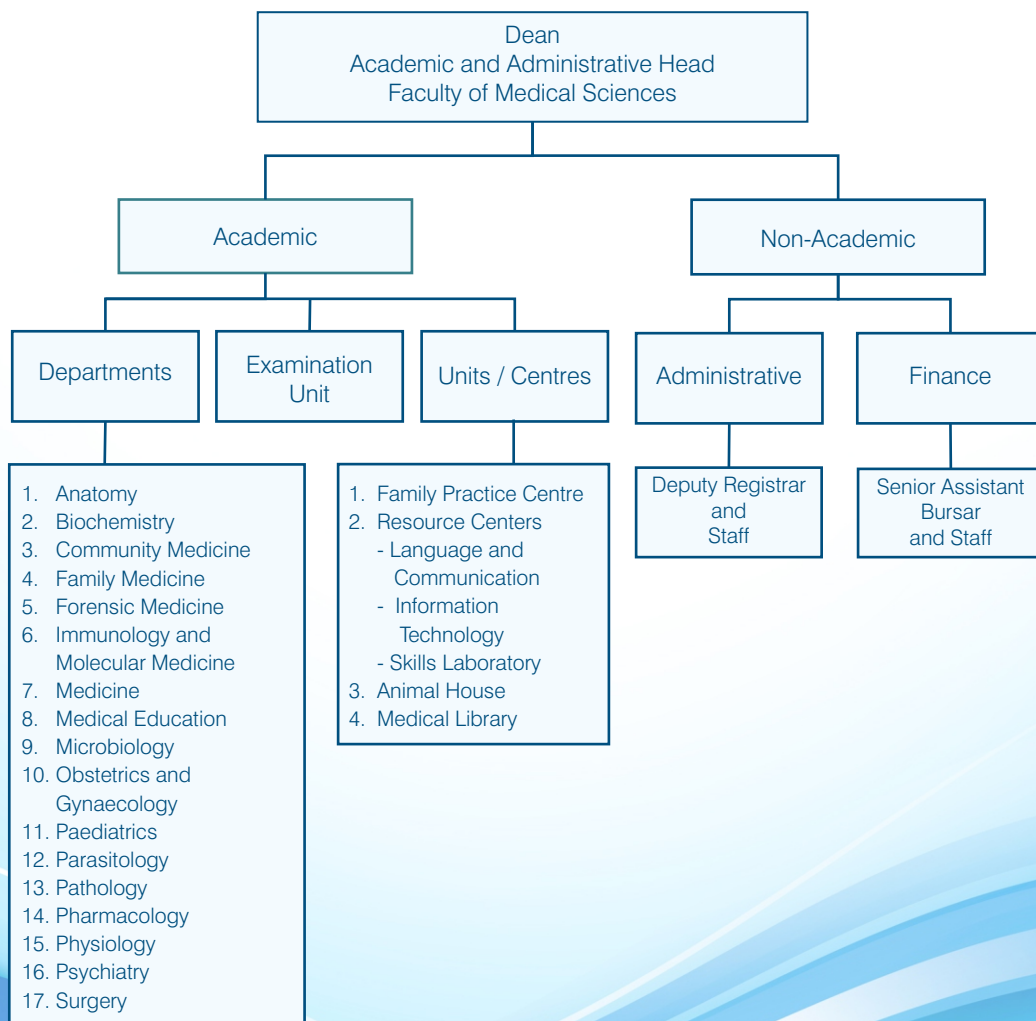
Homagama Base Hospital has a bed strength of 474 and is served by a staff of 720. It offers in-patient, out-patient, and primary care services.

Several other hospitals are utilised to expose medical students to certain sub-specialties: for example the National Cancer Institute Maharagama, National Hospital of Sri Lanka, Lady Ridgeway Children's Hospital Colombo, and The National Institute of Mental Health Angoda. Students are provided exposure to rural and community oriented health through the Community Medicine programme conducted at the Boralessgamuwa Medical Officer of Health (MOH)

office and the Community Based Medical Learning (CBML) programme, which is a residential posting in a rural area.

The Family Practice Centre (FPC) caters to the surrounding semi-urban population of Wijerama and Raththanapitiya, providing services to the area. FPC is also a teaching centre for Family Medicine and provides an opportunity for students and staff to interact with the local community. It was the first ever purpose built family practice teaching centre established in South East Asia, and serves as a model Family Practice Centre for undergraduate and postgraduate training.

Academic and Administrative Structure of the Faculty of Medical Sciences



2. VISION, MISSION AND VALUES



Vision

Prosper Lives through Education



Mission

To produce competent and socially responsible professionals who are empowered to provide advanced healthcare globally, through diverse learning opportunities.



Values

1. **Compassion and Empathy** - The Faculty appreciates being sensitive to the difficulty of others and what they may be experiencing through expressions of kindness, caring and helpfulness, which create greater trust and learning for all involved.
2. **Integrity and Honesty** - The Faculty values the ability to be honest with one self and stay true to our own values and beliefs and stand up for what we believe is right.
3. **Respect and Humility** - The Faculty promotes an environment where everyone respects each other by understanding that they can learn from and celebrate the achievements of others without it detracting from their own accomplishments and sense of identity.
4. **Diversity and Inclusiveness** - The Faculty recognizes that its strength and unity come from being inclusive and providing equal opportunities to a diverse staff, students and patients.

3. GRADUATE PROFILE

At the conclusion of the undergraduate medical programme of the Faculty of Medical Sciences (FMS) of the University of Sri Jayewardenepura the medical graduate should:

1. be able to apply knowledge and skills in basic sciences in diagnosing, managing and preventing illnesses and diseases
2. be competent to manage medical emergencies with the available resources and be aware of best practices in ideal circumstances
3. be able to provide quality care to patients taking into consideration all relevant features related to disease in a holistic manner
4. be aware of the limitations of professional skills, available facilities and recognize when referral is necessary
5. be able to carry out basic medico-legal procedures and related statutory duties
6. possess communication skills to interact with the patient, the patient's family, the general public and the media
7. possess skills to function effectively as a member of a healthcare team
8. possess the necessary knowledge, skills and attitudes to promote and contribute to the health and well-being of the individual, the family and the community as a whole
9. have knowledge on emerging diseases, changing patterns of diseases, social, economic, cultural and behavioural practices of the community in the practice of medicine
10. develop appropriate characteristics, attitudes and human qualities to practice as a health professional in any part of the country
11. be accountable, compassionate and empathic towards patients and their families
12. be aware of rights of patients, and the legal implications of interacting with patients, relatives, healthcare providers, and other professionals and society in general
13. be able to provide professional services respecting individual rights, equity and equality
14. be capable of continuing self-education, keeping abreast of advancing medical knowledge, emerging diseases, changing patterns of diseases and developing an aptitude for scientific research
15. be able to engage with commitment and integrity in reflective practices and become an empathic, accountable and socially responsible healthcare professional.

4. CONTACT INFORMATION

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ACADEMIC PROGRAMME **3**

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1. MBBS DEGREE PROGRAMME

Overview of the Curriculum

The duration of the MBBS degree course is five years. Each academic year comprises 3 terms and each term is 10 weeks in duration. The curriculum is integrated, system-based and is mapped with the SLQF standard and PLOs. It is delivered through three phases: Phase I, Phase II and Phase III. Phase I consists of 5 terms, Phase II 6 terms and Phase III consists of pre-professorial and professorial clinical appointments.

Phase I comprises thirteen modules, teaching the normal structure and function of the human body. The Personal and Professional Development (PPD) Stream also commences during this Phase.

Phase II consists of fifteen modules, Community Medicine and the PPD stream. Students learn the various diseases affecting the body and the related abnormal bodily structure and function in each condition. Undergraduate research project also done during this Phase.

Phase III consists of pre-professorial Clinical appointments done at CSTD, SJGH, Homagama Base hospital and Apeksha Hospital and professorial clinical appointments.

The Professorial Appointments consist of Medicine, Surgery, Obstetrics and Gynaecology and Paediatrics, each of which are of 8 weeks duration. Teaching is conducted at CSTD. A six-week attachment in Psychiatry and a two-week attachment in Family Medicine are also included. These are conducted at CSTD and the Family Practice Centre within the Faculty, respectively.

Year 1	Year 2	Year 3	Year 4	Year 5
IT and Language Modules	Clinical Training Phase I	Phase III		
	Phase I Modules (13)	Pre-professorial Appointments		Professorial Appointments (12-14 Terms)
		Phase II Modules (15)		
		Community Medicine & Undergraduate Research Project		
	Personal and Professional Development Stream			

Programme Learning Outcomes (PLOs)

Based on the UGC approved subject Bench Mark statement and the approved graduate profile of the Faculty of Medical Sciences, the following nine Programme Learning Outcomes (PLO) were articulated and approved and were aligned with the SLQF.

The doctor as a Scientist, Practitioner and Professional (how the doctor approaches their practice):

1. Student should demonstrate knowledge related to **Scientific basis of medicine**
2. The student should demonstrate knowledge related to and competency in the following areas: **Critical thinking, research, and Evidence-Based Medicine (EBM)**
3. The student should demonstrate knowledge related to and competency in the Clinical **skills**
4. The student should demonstrate knowledge related to and competency in the areas related to **Patient management**
5. The student should demonstrate knowledge related to and competency in the activities related to **Health promotion and disease prevention**
6. The student should demonstrate knowledge related to and competency in the areas related to **Communication skills**
7. The student should demonstrate knowledge related to and competency in the areas related to **Information management**
8. The student should demonstrate knowledge related to and competency in the areas related to **Professional and personal development**
9. The student should demonstrate knowledge related to and competency in the areas related to **Ethical and legal responsibilities**

Mapping the PLOs with the Sri Lanka Qualification Framework (SLQF)

Alignment of the SLQF to the PLOs of the faculty

Core Area	SLQF Learning Outcomes	PLOs of the Faculty
Knowledge and Skills	1. Subject / Theoretical Knowledge	Scientific basis of medicine
	2. Practical Knowledge and Application	Ethical and legal
		Clinical skills
		Patient management
		Health promotion and disease prevention
	3. Communication	Communication skills
	4. Teamwork and Leadership	
	5. Creativity and Problem Solving	Critical thinking, research and EBM
	6. Information Usage and Management	Information usage and management
		Critical thinking, research and EBM
	7. Managerial and Entrepreneurship	Personal and Professional Development
		Communication skills
	8. Networking and Social Skills	Personal and Professional Development
		Communication skills

Attitudes, Values, Professionalism and Vision for life	9. Adaptability and Flexibility	Personal and Professional Development
	10. Attitudes, Values and Professionalism	Clinical skills
		Patient management
		Health promotion and disease prevention
		Ethical and legal responsibilities
		Personal and Professional Development
	11. Vision for Life	Personal and Professional Development
Mind-set and Paradigm	12. Updating Self / Lifelong Learning	Personal and Professional Development

2. HUMAN BIOLOGY DEGREE PROGRAMME

Overview of the Curriculum

The Faculty of Medical Sciences offers two degrees in B.Sc. in Human Biology: Human Biology general degree and the special degree. The B.Sc. in Human Biology general degree course involves 3 (8 terms) years of study. This will comprise of Part I, Part II and Part III (general) course work. The B.Sc. in Human Biology special degree course involves 3.5 (9 1/2 terms) years of study, and will comprise of Part I, Part II and Part III (special) course work and research.

Part I of 5 terms duration comprises of thirteen system-based modules integrating Anatomy, Physiology and Biochemistry and teaching the normal structure and function of the human body. The course is followed with the medical undergraduates. Students are introduced to basic sciences and are expected to gain knowledge in basic practical skills.

The orientation programme is conducted in the first 3 weeks of the first term of the course. The students are expected to improve their reading, writing, speaking and listening skills in English during this period.

Sequence of Part I Modules

Term	Module
Orientation	Orientation, English and IT
Term 1	Foundation, Blood and Immune, RS Anatomy
Term 2	CVS
	Respiratory, Physiology
	GIT
Term 3	Endocrine
	Renal / Reproduction
	Metabolism - I
Term 4	Metabolism - II
	App. Physiology
	Nutrition
	Muscular-skeletal
Term 5	Neurosciences
	Clinical Biochemistry

Part II consists of General Pathology, General Parasitology, General Microbiology and General Pharmacology taught during 1.5 terms (15 weeks).

Sequence of Part II Modules

Term	Module
Term 6	Introductory
Term 7	Multi-systems Infections
	Cardiovascular

Part III of the course comprises the specialization year (3 terms including the research) with the selected specialty (Biochemistry/ Food and Nutrition/ Anatomy / Immunology / Microbiology). If not eligible for specialisation, a candidate will be able to follow the B.Sc. General degree course, including 1.5 terms of further study in Pathology, Parasitology, Microbiology and Pharmacology (Part III - general). Medical undergraduates of the faculty who are unable to complete the MBBS degree course are also eligible to follow the Human Biology General Degree offered by the Faculty, if they have full filled the selection criteria.

AWARDS & GOLD MEDALS 4

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1. AWARDS



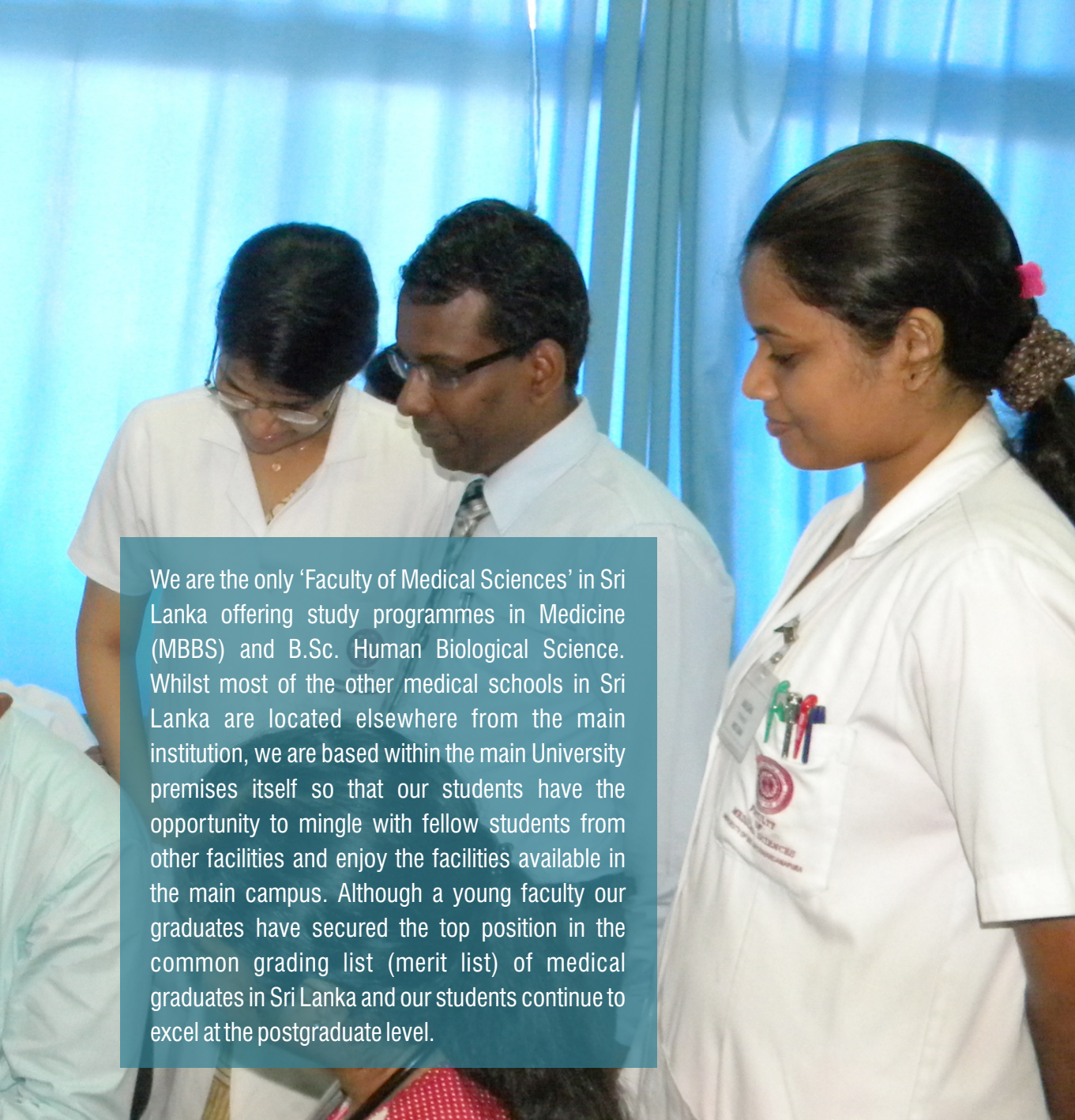
Most Improved Student Awards

Any Student
who has demonstrated an
improvement in the
overall academic performance
between
two consecutive main examinations
are eligible to
apply this award.

2. GOLD MEDALS

Medal		Criteria
01	Professor E.R. Jansz Gold Medal in Biochemistry Donated by his postgraduate students	For obtaining highest marks with a Distinction in Biochemistry in First Examination for MBBS Degree
02	N.D.W. Lionel Memorial Gold Medal in Pharmacology Donated by Professor Gita Fernando	For obtaining the Highest marks with a Distinction in Pharmacology at the Second Examination for MBBS Degree
03	Gold Medal for the Best Performance at Second Examination for MBBS Degree Donated by Dr. Tissa W.K. Rajapakshe and Associate Professor Ramanie Samarathunga	For obtaining the Highest cumulative marks in Second Examination for MBBS Degree
04	Professor Kamani Wanigasuriya Gold Medal in Medicine	For obtaining the highest marks in Medicine with a Distinction at the Final Examination for MBBS Degree
05	Gold Medal for Clinical Component of Medicine In Memory of Mr. Niroshan Sri Deva donated by Dr. C Sri Deva	For obtaining the highest marks for the clinical component in Medicine with a Distinction at the Final Examination for MBBS Degree
06	Professor Dayasiri Fernando Gold Medal for Surgery	For obtaining the highest marks scoring over 70% in Surgery at the Final Examination
07	Professor P. Wilson Gold Medal	For obtaining the highest marks for the theory component in Surgery with a Distinction at the Final Examination for MBBS Degree
08	Professor Kingsley De Silva Gold Medal for Obstetrics & Gynaecology	For obtaining the highest marks for Obstetrics & Gynaecology with a Distinction and First or Second class honours at the Final Examination for MBBS Degree
09	Professor Narada Warnasuriya Gold Medal for Paediatrics	For obtaining the highest overall marks with a distinction at the Final Examination for MBBS Degree

10	Gold Medal for Clinical Paediatrics Donated by Mr. H.L. Perera & Mrs. Chithrani Kossinna	For obtaining the highest marks for the Clinical Component in Paediatrics with a Distinction at the Final Examination for MBBS Degree
11	Professor Samudra T Kathriarachchi Gold Medal in Psychiatry	For obtaining the highest marks in Psychiatry with a Distinction at the Final Examination for MBBS Degree
12	Professor Antoinette Perera Gold Medal	For obtaining the highest marks with a Distinction for Family Medicine at the Final Examination for MBBS Degree
13	Gold Medal for the Most Outstanding Performance in the Clinical Component of the Final Examination for MBBS Degree Donated by The Society of Pioneer Doctors of Faculty of Medical Sciences	For obtaining the highest combined mark for the Clinical Components at the Final Examination for MBBS Degree
14	Professor M.T.M. Jiffry Gold Medal	For the Best Final Year Student obtaining highest marks at the Final Examination for MBBS Degree
15	Ven. Professor Walpola Sri Rahula Memorial Gold Medal Donated by The Chairman of the Siddhalepa Group of Company, Deshabandu Dr. Victor Hettigoda	For the overall Best Performance throughout the MBBS Degree Programme
16	Dr. H.H.R. Samarasinghe Gold Medal For the Most Outstanding Student of Faculty of Medical Sciences	For the best academic achievements and extracurricular activities during the MBBS Course

A large photograph showing three individuals in white medical coats. On the left, a woman with glasses is looking down. In the center, a man with glasses is also looking down. On the right, a woman is looking towards the center. They appear to be in a clinical or laboratory setting.

We are the only 'Faculty of Medical Sciences' in Sri Lanka offering study programmes in Medicine (MBBS) and B.Sc. Human Biological Science. Whilst most of the other medical schools in Sri Lanka are located elsewhere from the main institution, we are based within the main University premises itself so that our students have the opportunity to mingle with fellow students from other facilities and enjoy the facilities available in the main campus. Although a young faculty our graduates have secured the top position in the common grading list (merit list) of medical graduates in Sri Lanka and our students continue to excel at the postgraduate level.



Research



Talents



IT Skills



All right reserved
Faculty of Medical Sciences
University of Sri Jayewardenepura
Gangodawila, Nugegoda

Advisory Panel

Emeritus Prof. Sriyani Ekanayake
(*Chairperson*)

Senior Prof. Hemantha Peiris

Emeritus Prof. Geetha Fernando

Emeritus Prof. Renu Wickramasinghe

Senior Prof. Surangi G. Yasawardene

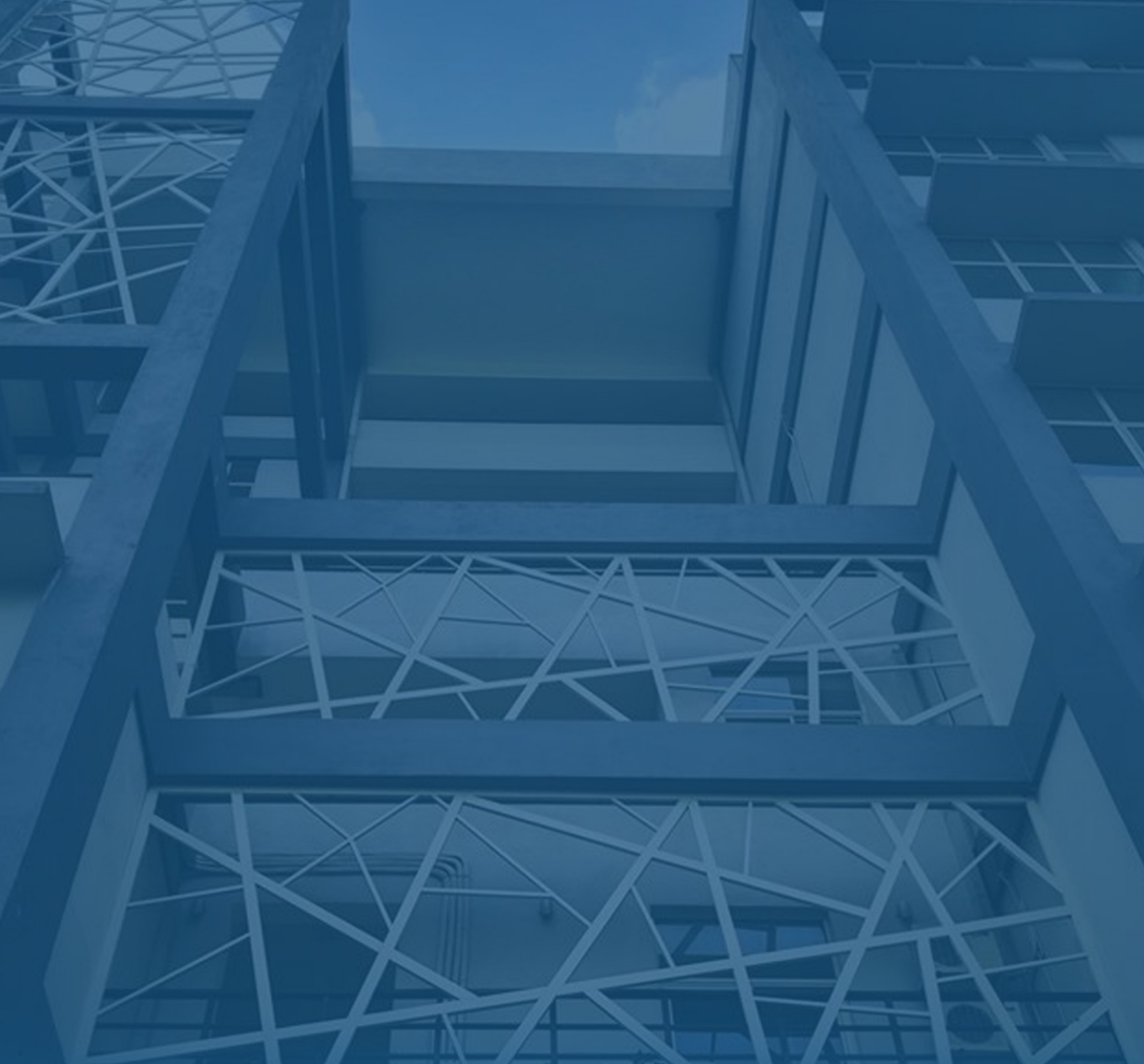
Senior Prof. Rasika Perera

Prof. Manori Gamage

Dr. Indira Wijesiriwardene

Dr. Amaya Ellawala

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Undergraduate Prospectus

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Gangodawila, Nugegoda

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