

MNR MEDICAL COLLEGE & HOSPITAL

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GRADUATE ATTRIBUTES

Goals and Roles for the Learner

In order to fulfill the goal of the IMG training programme, the medical graduate must be able to function in the following roles appropriately and effectively:-

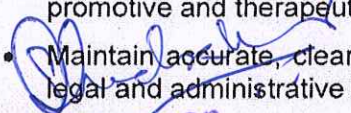
1. **Clinician** who understands and provides preventive, promotive, curative, palliative and holistic care with compassion.
2. **Leader** and member of the health care team and system with capabilities to collect, analyze, synthesize and communicate health data appropriately.
3. **Communicator** with patients, families, colleagues and community.
4. **Lifelong learner** committed to continuous improvement of skills and knowledge.
5. **Professional**, who is committed to excellence, is ethical, responsive and accountable to patients, community and profession.

Competency Based Training Programme of the Indian Medical Graduate


Indian Medical Graduate would have obtained the following set of competencies at the time of graduation:

CLINICIAN:

- Demonstrate knowledge of normal human structure, function and development from a molecular, cellular, biologic, clinical, behavioral and social perspective.
- Demonstrate knowledge of abnormal human structure, function and development from a molecular, cellular, biological, clinical, behavioral and social perspective.
- Demonstrate knowledge of medico-legal, societal, ethical and humanitarian principles that influence health care.
- Demonstrate knowledge of national and regional health care policies including the National Health Mission that incorporates National Rural Health Mission (NRHM) and National Urban Health Mission (NUHM), frameworks, economics and systems that influence health promotion, health care delivery, disease prevention, effectiveness, responsiveness, quality and patient safety.
- Demonstrate ability to elicit and record from the patient, and other relevant sources including relatives and caregivers, a history that is complete and relevant to disease identification, disease prevention and health promotion.
- Demonstrate ability to elicit and record from the patient, and other relevant sources including relatives and caregivers, a history that is contextual to gender, age, vulnerability, social and economic status, patient preferences, beliefs and values.
- Demonstrate ability to perform a physical examination that is complete and relevant to disease identification, disease prevention and health promotion.
- Demonstrate ability to perform a physical examination that is contextual to gender, social and economic status, patient preferences and values.
- Demonstrate effective clinical problem solving, judgment and ability to interpret and integrate available data in order to address patient problems, generate differential diagnoses and develop individualized management plans that include preventive, promotive and therapeutic goals.
- Maintain accurate, clear and appropriate record of the patient in conformation with legal and administrative frame works.


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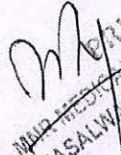
- Demonstrate ability to choose the appropriate diagnostic tests and interpret these tests based on scientific validity, cost effectiveness and clinical context.
- Demonstrate ability to prescribe and safely administer appropriate therapies including nutritional interventions, pharmacotherapy and interventions based on the principles of rational drug therapy, scientific validity, evidence and cost that conform to established national and regional health programmes and policies for the following:
 - (i) Disease prevention,
 - (ii) Health promotion and cure,
 - (iii) Pain and distress alleviation, and
 - (iv) Rehabilitation.
- Demonstrate ability to provide a continuum of care at the primary and/or secondary level that addresses chronicity, mental and physical disability.
- Demonstrate ability to appropriately identify and refer patients who may require specialized or advanced tertiary care.
- Demonstrate familiarity with basic, clinical and translational research as it applies to the care of the patient.

LEADER:

- Work effectively and appropriately with colleagues in an inter-professional health care team respecting diversity of roles, responsibilities and competencies of other professionals.
- Recognize and function effectively, responsibly and appropriately as a health care team leader in primary and secondary health care settings.
- Educate and motivate other members of the team and work in a collaborative and collegial fashion that will help maximize the health care delivery potential of the team.
- Access and utilize components of the health care system and health delivery in a manner that is appropriate, cost effective, fair and in compliance with the national health care priorities and policies, as well as be able to collect, analyze and utilize health data.
- Participate appropriately and effectively in measures that will advance quality of health care and patient safety within the health care system.
- Recognize and advocate health promotion, disease prevention and health care quality improvement through prevention and early recognition: in a) life style diseases and b) cancers, in collaboration with other members of the health care team.


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COMMUNICATOR:

- Demonstrate ability to communicate adequately, sensitively, effectively and respectfully with patients in a language that the patient understands and in a manner that will improve patient satisfaction and health care outcomes.
- Demonstrate ability to establish professional relationships with patients and families that are positive, understanding, humane, ethical, empathetic, and trustworthy.
- Demonstrate ability to communicate with patients in a manner respectful of patient's preferences, values, prior experience, beliefs, confidentiality and privacy.
- Demonstrate ability to communicate with patients, colleagues and families in a manner that encourages participation and shared decision-making.

LIFELONG LEARNER:

- Demonstrate ability to perform an objective self-assessment of knowledge and skills, continue learning, refine existing skills and acquire new skills.
- Demonstrate ability to apply newly gained knowledge or skills to the care of the patient.
- Demonstrate ability to introspect and utilize experiences, to enhance personal and professional growth and learning.
- Demonstrate ability to search (including through electronic means), and critically evaluate the medical literature and apply the information in the care of the patient.
- Be able to identify and select an appropriate career pathway that is professionally rewarding and personally fulfilling.

PROFESSIONAL:

- Practice selflessness, integrity, responsibility, accountability and respect.
- Respect and maintain professional boundaries between patients, colleagues and society.
- Demonstrate ability to recognize and manage ethical and professional conflicts.
- Abide by prescribed ethical and legal codes of conduct and practice.
- Demonstrate a commitment to the growth of the medical profession as a whole.


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असाधारण

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PART III—Section 4

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भारतीय आयुर्विज्ञान परिषद के अधिक्रमण में

शासी बोर्ड

संशोधन अधिसूचना

नई दिल्ली, 4 नवम्बर, 2019

सं. भा.आ.प.-34(41)/2019-मेड./161726.—भारतीय आयुर्विज्ञान परिषद अधिनियम, 1956 (1956 का 102) की धारा 33 द्वारा प्रदत्त शक्तियों का इस्तेमाल करते हुए, भारतीय आयुर्विज्ञान परिषद के अधिक्रमण में शासी बोर्ड, "स्नातक चिकित्सा शिक्षा विनियमावली, 1997" में पुनः संशोधन करने के लिए केंद्र सरकार की पूर्व स्वीकृति से एतद्वारा निम्नलिखित विनियम बनाती है, नामतः—

- (i) ये विनियम, "स्नातक चिकित्सा शिक्षा विनियमावली (संशोधन), 2019" कहे जाएंगे।
(ii) ये सरकारी राजपत्र में उनके प्रकाशन की तारीख से प्रवृत्त होंगे।
- स्नातक चिकित्सा शिक्षा विनियमावली, 1997 के खंड 1क के रूप में निम्नलिखित जोड़ा जाएगा:
(i) स्नातक चिकित्सा शिक्षा विनियमावली, 1997 में अध्याय I से V में दिए गए खंड 2 से 14 और उसमें संलग्न परिशिष्टों तथा अनुसूचियों को, विनियमावली के भाग I के रूप में शामिल किया जाएगा। ये उपबंध, शैक्षिक वर्ष 2018-19 तक एमबीबीएस पाठ्यक्रमों में दाखिल किए गए बच्चों के संबंध में नियंत्रण विनियम होंगे।

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BOARD OF GOVERNORS IN SUPER-SESSION**OF MEDICAL COUNCIL OF INDIA****AMENDMENT NOTIFICATION**

New Delhi, the 4th November, 2019

No. MCI-34(41)/2019-Med./161726.—In exercise of the powers conferred by Section 33 of the Indian Medical Council Act, 1956 (102 of 1956), the Board of Governors in super-session of Medical Council of India with the previous sanction of the Central Government, hereby makes the following Regulations to further amend the "Regulations on Graduate Medical Education, 1997", namely: -

1. (i) These Regulations may be called the "Regulations on Graduate Medical Education (Amendment), 2019.
- (ii) They shall come into force from the date of their publication in the Official Gazette.
2. The following shall be added as clause 1A to the Regulations on Graduate Medical Education, 1997:-
 - (i) The Regulations of Graduate Medical Education, 1997 from clause 2 to 14 contained in Chapters I to V and the Appendices and Schedules appended therein shall be included as Part I of the Regulation. These provisions shall be the governing Regulations with respect to batches admitted in MBBS courses until academic year 2018-19.
 - (ii) Part II containing the following Chapters shall be added to the Regulations on Graduate Medical Education, 1997 that shall be the governing Regulations with respect to batches admitted in MBBS course from academic year 2019-20 onwards.
3. Following shall be added as Part II of the Regulations on Graduate Medical Education, 1997:-


Part II

For MBBS course starting from academic year 2019-20 onwards

THE REGULATIONS ON GRADUATE MEDICAL EDUCATION, 1997**PART II****ARRANGEMENT OF CLAUSES****CHAPTER I****GENERAL CONSIDERATIONS AND TEACHING APPROACH**

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2. Objectives of the Indian Medical Graduate Training Programme
 - 2.1. National Goals
 - 2.2. Institutional Goals
 - 2.3. Goals and Roles for the Learner
3. Competency Based Training Programme of the Indian Medical Graduate
4. Broad Outline on training format


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5. Admission to the Indian Medical Graduate Programme

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CHAPTER IV**PHASE WISE TRAINING AND TIME DISTRIBUTION
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8. Phase distribution and timing of examination
9. New teaching / learning elements
- 9.1. Foundation Course
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 - 9.3. Electives
 - 9.4. Professional Development including Attitude, Ethics and Communication Module (AETCOM)
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CHAPTER V**COMPETENCY BASED CURRICULUM OF THE
INDIAN MEDICAL GRADUATE PROGRAMME**

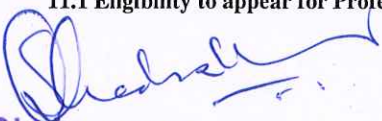
10. Specific Competencies
- 10.1. Preamble
 - 10.2. Integration
 - 10.3. Pre-clinical Subjects
 - 10.4. Second Professional (Para-Clinical)
 - 10.5. Third Professional (Part I)
 - 10.6. Third Professional (Part II)

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CHAPTER I

GENERAL CONSIDERATIONS AND TEACHING APPROACH

1. Introduction

The provisions contained in Part II of these Regulations shall apply to the MBBS course starting from academic year 2019-20 onwards

2. Indian Medical Graduate Training Programme

The undergraduate medical education programme is designed with a goal to create an “Indian Medical Graduate” (IMG) possessing requisite knowledge, skills, attitudes, values and responsiveness, so that she or he may function appropriately and effectively as a physician of first contact of the community while being globally relevant. To achieve this, the following national and institutional goals for the learner of the Indian Medical Graduate training programme are hereby prescribed:-


2.1. National Goals

At the end of undergraduate program, the Indian Medical Graduate should be able to:

- (a) Recognize “health for all” as a national goal and health right of all citizens and by undergoing training for medical profession to fulfill his/her social obligations towards realization of this goal.
- (b) Learn every aspect of National policies on health and devote her/him to its practical implementation.
- (c) Achieve competence in practice of holistic medicine, encompassing promotive, preventive, curative and rehabilitative aspects of common diseases.
- (d) Develop scientific temper, acquire educational experience for proficiency in profession and promote healthy living.
- (e) Become exemplary citizen by observance of medical ethics and fulfilling social and professional obligations, so as to respond to national aspirations.

2.2. Institutional Goals

- (1) In consonance with the national goals each medical institution should evolve institutional goals to define the kind of trained manpower (or professionals) they intend to produce. The Indian Medical Graduates coming out of a medical institute should:
 - (a) be competent in diagnosis and management of common health problems of the individual and the community, commensurate with his/her position as a member of the health team at the primary, secondary or tertiary levels, using his/her clinical skills based on history, physical examination and relevant investigations.
 - (b) be competent to practice preventive, promotive, curative, palliative and rehabilitative medicine in respect to the commonly encountered health problems.
 - (c) appreciate rationale for different therapeutic modalities; be familiar with the administration of “essential medicines” and their common adverse effects.



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- (d) be able to appreciate the socio-psychological, cultural, economic and environmental factors affecting health and develop humane attitude towards the patients in discharging one's professional responsibilities.
 - (e) possess the attitude for continued self learning and to seek further expertise or to pursue research in any chosen area of medicine, action research and documentation skills.
 - (f) be familiar with the basic factors which are essential for the implementation of the National Health Programmes including practical aspects of the following:
 - (i) Family Welfare and Maternal and Child Health (MCH)
 - (ii) Sanitation and water supply
 - (iii) Prevention and control of communicable and non-communicable diseases
 - (iv) Immunization
 - (v) Health Education
 - (vi) Indian Public Health Standards (IPHS), at various levels of service delivery
 - (vii) Bio-medical waste disposal
 - (viii) Organizational and/or institutional arrangements.
 - (g) acquire basic management skills in the area of human resources, materials and resource management related to health care delivery, hospital management, inventory skills and counseling.
 - (h) be able to identify community health problems and learn to work to resolve these by designing, instituting corrective steps and evaluating outcome of such measures.
 - (i) be able to work as a leading partner in health care teams and acquire proficiency in communication skills.
 - (j) be competent to work in a variety of health care settings.
 - (k) have personal characteristics and attitudes required for professional life such as personal integrity, sense of responsibility and dependability and ability to relate to or show concern for other individuals.
- (2) All efforts must be made to equip the medical graduate to acquire the skills as detailed in Table 11 Certifiable procedural skills – A Comprehensive list of skills recommended as desirable for Bachelor of Medicine and Bachelor of Surgery (MBBS) – Indian Medical Graduate.

2.3. Goals and Roles for the Learner

In order to fulfil the goal of the IMG training programme, the medical graduate must be able to function in the following roles appropriately and effectively:-

- 2.3.1. Clinician who understands and provides preventive, promotive, curative, palliative and holistic care with compassion.
- 2.3.2. Leader and member of the health care team and system with capabilities to collect analyze, synthesize and communicate health data appropriately.
- 2.3.3. Communicator with patients, families, colleagues and community.
- 2.3.4. Lifelong learner committed to continuous improvement of skills and knowledge.
- 2.3.5. Professional, who is committed to excellence, is ethical, responsive and accountable to patients, community and profession.

3. Competency Based Training Programme of the Indian Medical Graduate

Competency based learning would include designing and implementing medical education curriculum that focuses on the desired and observable ability in real life situations. In order to effectively fulfil the roles as listed in clause 2, the Indian Medical Graduate would have obtained the following set of competencies at the time of graduation:

3.1. Clinician, who understands and provides preventive, promotive, curative, palliative and holistic care with compassion

- 3.1.1 Demonstrate knowledge of normal human structure, function and development from a molecular, cellular, biologic, clinical, behavioural and social perspective.


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- 3.1.2. Demonstrate knowledge of abnormal human structure, function and development from a molecular, cellular, biological, clinical, behavioural and social perspective.
- 3.1.3. Demonstrate knowledge of medico-legal, societal, ethical and humanitarian principles that influence health care.
- 3.1.4. Demonstrate knowledge of national and regional health care policies including the National Health Mission that incorporates National Rural Health Mission (NRHM) and National Urban Health Mission (NUHM), frameworks, economics and systems that influence health promotion, health care delivery, disease prevention, effectiveness, responsiveness, quality and patient safety.
- 3.1.5. Demonstrate ability to elicit and record from the patient, and other relevant sources including relatives and caregivers, a history that is complete and relevant to disease identification, disease prevention and health promotion.
- 3.1.6. Demonstrate ability to elicit and record from the patient, and other relevant sources including relatives and caregivers, a history that is contextual to gender, age, vulnerability, social and economic status, patient preferences, beliefs and values.
- 3.1.7. Demonstrate ability to perform a physical examination that is complete and relevant to disease identification, disease prevention and health promotion.
- 3.1.8. Demonstrate ability to perform a physical examination that is contextual to gender, social and economic status, patient preferences and values.
- 3.1.9. Demonstrate effective clinical problem solving, judgment and ability to interpret and integrate available data in order to address patient problems, generate differential diagnoses and develop individualized management plans that include preventive, promotive and therapeutic goals.
- 3.1.10. Maintain accurate, clear and appropriate record of the patient in conformation with legal and administrative frame works.
- 3.1.11. Demonstrate ability to choose the appropriate diagnostic tests and interpret these tests based on scientific validity, cost effectiveness and clinical context.
- 3.1.12. Demonstrate ability to prescribe and safely administer appropriate therapies including nutritional interventions, pharmacotherapy and interventions based on the principles of rational drug therapy, scientific validity, evidence and cost that conform to established national and regional health programmes and policies for the following:
- Disease prevention,
 - Health promotion and cure,
 - Pain and distress alleviation, and
 - Rehabilitation.
- 3.1.13. Demonstrate ability to provide a continuum of care at the primary and/or secondary level that addresses chronicity, mental and physical disability.
- 3.1.14. Demonstrate ability to appropriately identify and refer patients who may require specialized or advanced tertiary care.
- 3.1.15. Demonstrate familiarity with basic, clinical and translational research as it applies to the care of the patient.
- 3.2. **Leader and member of the health care team and system**
- 3.2.1. Work effectively and appropriately with colleagues in an inter-professional health care team respecting diversity of roles, responsibilities and competencies of other professionals.
- 3.2.2. Recognize and function effectively, responsibly and appropriately as a health care team leader in primary and secondary health care settings.
- 3.2.3. Educate and motivate other members of the team and work in a collaborative and collegial fashion that will help maximize the health care delivery potential of the team.
- 3.2.4. Access and utilize components of the health care system and health delivery in a manner that is appropriate, cost effective, fair and in compliance with the national health care priorities and policies, as well as be able to collect, analyze and utilize health data.


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- 3.2.5 Participate appropriately and effectively in measures that will advance quality of health care and patient safety within the health care system.
- 3.2.6 Recognize and advocate health promotion, disease prevention and health care quality improvement through prevention and early recognition: in a) life style diseases and b) cancers, in collaboration with other members of the health care team.
- 3.3. ***Communicator with patients, families, colleagues and community***
- 3.3.1 Demonstrate ability to communicate adequately, sensitively, effectively and respectfully with patients in a language that the patient understands and in a manner that will improve patient satisfaction and health care outcomes.
- 3.3.2 Demonstrate ability to establish professional relationships with patients and families that are positive, understanding, humane, ethical, empathetic, and trustworthy.
- 3.3.3 Demonstrate ability to communicate with patients in a manner respectful of patient's preferences, values, prior experience, beliefs, confidentiality and privacy.
- 3.3.4 Demonstrate ability to communicate with patients, colleagues and families in a manner that encourages participation and shared decision-making.
- 3.4. ***Lifelong learner committed to continuous improvement of skills and knowledge***
- 3.4.1 Demonstrate ability to perform an objective self-assessment of knowledge and skills, continue learning, refine existing skills and acquire new skills.
- 3.4.2 Demonstrate ability to apply newly gained knowledge or skills to the care of the patient.
- 3.4.3 Demonstrate ability to introspect and utilize experiences, to enhance personal and professional growth and learning.
- 3.4.4 Demonstrate ability to search (including through electronic means), and critically evaluate the medical literature and apply the information in the care of the patient.
- 3.4.5 Be able to identify and select an appropriate career pathway that is professionally rewarding and personally fulfilling.
- 3.5. ***Professional who is committed to excellence, is ethical, responsive and accountable to patients, community and the profession***
- 3.5.1 Practice selflessness, integrity, responsibility, accountability and respect.
- 3.5.2 Respect and maintain professional boundaries between patients, colleagues and society.
- 3.5.3 Demonstrate ability to recognize and manage ethical and professional conflicts.
- 3.5.4 Abide by prescribed ethical and legal codes of conduct and practice.
- 3.5.5 Demonstrate a commitment to the growth of the medical profession as a whole.

4. Broad Outline on training format

- 4.1. In order to ensure that training is in alignment with the goals and competencies listed in sub-clause 2 and 3 above:
- 4.1.1 There shall be a "Foundation Course" to orient medical learners to MBBS programme, and provide them with requisite knowledge, communication (including electronic), technical and language skills.
- 4.1.2 The curricular contents shall be vertically and horizontally aligned and integrated to the maximum extent possible in order to enhance learner's interest and eliminate redundancy and overlap.
- 4.1.3 Teaching-learning methods shall be learner centric and shall predominantly include small group learning, interactive teaching methods and case based learning.
- 4.1.4 Clinical training shall emphasize early clinical exposure, skill acquisition, certification in essential skills; community/primary/secondary care-based learning experiences and emergencies.
- 4.1.5 Training shall primarily focus on preventive and community based approaches to health and disease, with specific emphasis on national health priorities such as family welfare, communicable and non-communicable diseases including cancer, epidemics and disaster management.


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- 4.1.6. Acquisition and certification of skills shall be through experiences in patient care, diagnostic and skill laboratories.
- 4.1.7. The development of ethical values and overall professional growth as integral part of curriculum shall be emphasized through a structured longitudinal and dedicated programme on professional development including attitude, ethics and communication.
- 4.1.8. Progress of the medical learner shall be documented through structured periodic assessment that includes formative and summative assessments. Logs of skill-based training shall be also maintained.
- 4.2. Appropriate Faculty Development Programmes shall be conducted regularly by institutions to facilitate medical teachers at all levels to continuously update their professional and teaching skills, and align their teaching skills to curricular objectives.

CHAPTER II

ADMISSION TO INDIAN MEDICAL GRADUATE PROGRAMME: NATIONAL ELIGIBILITY-CUM-ENTRANCE TEST AND COMMON COUNSELLING

5. Admission to the Indian Medical Graduate Programme

The provision as contained in Part I – Chapter II shall be the governing provisions.

CHAPTER III

MIGRATION

6. Migration

The provision as contained in Part I - Chapter II Clause 6 shall be the governing provisions.

CHAPTER IV

PHASE WISE TRAINING AND TIME DISTRIBUTION FOR PROFESSIONAL DEVELOPMENT


The Competency based Undergraduate Curriculum and Attitude, Ethics and Communication (AETCOM) course, as published by the Medical Council of India and also made available on the Council's website, shall be the curriculum for the batches admitted in MBBS from the academic year 2019-20 onwards.

Provided that in respect of batches admitted prior to the academic year 2019-20, the governing provisions shall remain as contained in the Part I of these Regulations.

7. Training period and time distribution:

- 7.1. Every learner shall undergo a period of certified study extending over 4 ½ academic years, divided into nine semesters from the date of commencement of course to the date of completion of examination which shall be followed by one year of compulsory rotating internship.
- 7.2. Each academic year will have at least 240 teaching days with a minimum of eight hours of working on each day including one hour as lunch break.
- 7.3. Teaching and learning shall be aligned and integrated across specialties both vertically and horizontally for better learner comprehension. Learner centered learning methods should include problem oriented learning, case studies, community oriented learning, self- directed and experiential learning.
- 7.4. The period of 4 ½ years is divided as follows:
- 7.4.1 Pre-Clinical Phase [(Phase I) - First Professional phase of 13 months preceded by Foundation Course of one month]: will consist of preclinical subjects – Human Anatomy, Physiology, Biochemistry, Introduction to Community Medicine, Humanities, Professional development including Attitude, Ethics & Communication (AETCOM) module and early clinical exposure, ensuring both horizontal and vertical integration.
- 7.4.2 Para-clinical phase [(Phase II) - Second Professional (12 months)]: will consist of Para-clinical subjects namely Pathology, Pharmacology, Microbiology, Community Medicine, Forensic Medicine and Toxicology, Professional development including Attitude, Ethics & Communication (AETCOM) module and introduction to clinical subjects ensuring both horizontal and vertical integration.


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The clinical exposure to learners will be in the form of learner-doctor method of clinical training in all phases. The emphasis will be on primary, preventive and comprehensive health care. A part of training during clinical postings should take place at the *primary level* of health care. It is desirable to provide learning experiences in secondary health care, wherever possible. This will involve:

- (a) Experience in recognizing and managing common problems seen in outpatient, inpatient and emergency settings,
- (b) Involvement in patient care as a team member,
- (c) Involvement in patient management and performance of basic procedures.

7.4.3 Clinical Phase – [(Phase III) Third Professional (28 months)]

- (a) Part I (13 months) - The clinical subjects include General Medicine, General Surgery, Obstetrics & Gynaecology, Pediatrics, Orthopaedics, Dermatology, Otorhinolaryngology, Ophthalmology, Community Medicine, Forensic Medicine and Toxicology, Psychiatry, Respiratory Medicine, Radiodiagnosis & Radiotherapy and Anaesthesiology & Professional development including AETCOM module.
- (b) Electives (2 months) - To provide learners with opportunity for diverse learning experiences, to do research/community projects that will stimulate enquiry, self directed experimental learning and lateral thinking [9.3].
- (c) Part II (13 months) - Clinical subjects include:
 - i. Medicine and allied specialties (General Medicine, Psychiatry, Dermatology Venereology and Leprosy (DVL), Respiratory Medicine including Tuberculosis)
 - ii. Surgery and allied specialties (General Surgery, Orthopedics [including trauma]), Dentistry, Physical Medicine and rehabilitation, Anaesthesiology and Radiodiagnosis)
 - iii. Obstetrics and Gynecology (including Family Welfare)
 - iv. Pediatrics
 - v. AETCOM module

7.5 Didactic lectures shall not exceed one third of the schedule; two third of the schedule shall include interactive sessions, practicals, clinical or/and group discussions. The learning process should include clinical experiences, problem oriented approach, case studies and community health care activities.

The admission shall be made strictly in accordance with the statutory notified time schedule towards the same.

7.6 Universities shall organize admission timing and admission process in such a way that teaching in the first Professional year commences with induction through the Foundation Course by the 1st of August of each year.

(i) Supplementary examinations shall not be conducted later than 90 days from the date of declaration of the results of the main examination, so that the learners who pass can join the main batch for progression and the remainder would appear for the examination in the subsequent year.

(ii) A learner shall not be entitled to graduate later than ten (10) years of her/his joining the first MBBS course.

7.7 No more than four attempts shall be allowed for a candidate to pass the first Professional examination. The total period for successful completion of first Professional course shall not exceed four (4) years. Partial attendance of examination in any subject shall be counted as an attempt.

7.8 A learner, who fails in the second Professional examination, shall not be allowed to appear in third Professional Part I examination unless she/he passes all subjects of second Professional examination.

7.9 Passing in third Professional (Part I) examination is not compulsory before starting part II training; however, passing of third Professional (Part I) is compulsory for being eligible for third Professional (Part II) examination.

7.10 During para-clinical and clinical phases, including prescribed 2 months of electives, clinical postings of three hours duration daily as specified in Tables 5, 6, 7 and 8 would apply for various departments.

8. Phase distribution and timing of examination

8.1 Time distribution of the MBBS programme is given in Table 1.


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- 8.2 Distribution of subjects by Professional Phase-wise is given in Table 2.
- 8.3 Minimum teaching hours prescribed in various disciplines are as under Tables 3-7.
- 8.4 Distribution of clinical postings is given in Table 8.
- 8.5 Duration of clinical postings will be:
- 8.5.1 Second Professional : 36 weeks of clinical posting (Three hours per day - five days per week : Total 540 hours)
- 8.5.2 Third Professional part I: 42 weeks of clinical posting (Three hours per day - six days per week : Total 756 hours)
- 8.5.3 Third Professional part II: 44 weeks of clinical posting (Three hours per day - six days per week : Total 792 hours)
- 8.6 Time allotted excludes time reserved for internal / University examinations, and vacation.
- 8.7 Second professional clinical postings shall commence before / after declaration of results of the first professional phase examinations, as decided by the institution/ University. Third Professional parts I and part II clinical postings shall start no later than two weeks after the completion of the previous professional examination.
- 8.8 25% of allotted time of third Professional shall be utilized for integrated learning with pre- and para- clinical subjects. This will be included in the assessment of clinical subjects.

Table 1: Time distribution of MBBS Programme & Examination Schedule

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
							Foundation Course	I MBBS			
I MBBS								Exam I MBBS	II MBBS		
II MBBS								Exam II MBBS	III MBBS		
III MBBS Part I									Exam III MBBS Part I	Electives & Skills	
III MBBS Part II											
Exam III MBBS Part II	Internship										
Internship											

- One month is provided at the end of every professional year for completion of examination and declaration of results.

Table 2: Distribution of subjects by Professional Phase

Phase & year of MBBS training	Subjects & New Teaching Elements	Duration#	University examination
First Professional MBBS	<ul style="list-style-type: none"> • Foundation Course (1 month) • Human Anatomy, Physiology & Biochemistry, introduction to Community Medicine, Humanities • Early Clinical Exposure 	1 + 13 months	I Professional


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	<ul style="list-style-type: none"> Attitude, Ethics, and Communication Module (AETCOM) 		
Second Professional MBBS	<ul style="list-style-type: none"> Pathology, Microbiology, Pharmacology, Forensic Medicine and Toxicology, Introduction to clinical subjects including Community Medicine Clinical postings Attitude, Ethics & Communication Module (AETCOM) 	12 months	II Professional
Third Professional MBBS Part I	<ul style="list-style-type: none"> General Medicine, General Surgery, Obstetrics & Gynecology, Pediatrics, Orthopedics, Dermatology, Psychiatry, Otorhinolaryngology, Ophthalmology, Community Medicine, Forensic Medicine and Toxicology, Respiratory medicine, Radiodiagnosis & Radiotherapy, Anesthesiology Clinical subjects /postings Attitude, Ethics & Communication Module (AETCOM) 	13 months	III Professional (Part I)
Electives	<ul style="list-style-type: none"> Electives, Skills and assessment* 	2 months	
Third Professional MBBS Part II	<ul style="list-style-type: none"> General Medicine, Pediatrics, General Surgery, Orthopedics, Obstetrics and Gynecology including Family welfare and allied specialties Clinical postings/subjects Attitude, Ethics & Communication Module (AETCOM) 	13 months	III Professional (Part II)

*Assessment of electives shall be included in Internal Assessment.

Table 3: Foundation Course (one month)

Subjects/ Contents	Teaching hours	Self Directed Learning (hours)	Total hours
Orientation ¹	30	0	30
Skills Module ²	35	0	35
Field visit to Community Health Center	8	0	8
Introduction to Professional Development & AETCOM module	-	-	40
Sports and extracurricular activities	22	0	22
Enhancement of language/ computer skills ³	40	0	40
	-	-	175

- Orientation course will be completed as single block in the first week and will contain elements outlined in 9.1.
- Skills modules will contain elements outlined in 9.1.
- Based on perceived need of learners, one may choose language enhancement (English or local spoken or both) and computer skills. This should be provided longitudinally through the duration of the Foundation Course.

Teaching of Foundation Course will be organized by pre-clinical departments.


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Table 4: First Professional teaching hours

Subjects	Lectures (hours)	Small Group Teaching/ Tutorials/ Integrated learning/ Practical (hours)	Self directed learning (hours)	Total (hours)
Human Anatomy	220	415	40	675
Physiology*	160	310	25	495
Biochemistry	80	150	20	250
Early Clinical Exposure**	90	-	0	90
Community Medicine	20	27	5	52
Attitude, Ethics & Communication Module (AETCOM) ***	-	26	8	34
Sports and extracurricular activities	-	-	-	60
Formative assessment and Term examinations	-	-	-	80
Total	-	-	-	1736

* including Molecular Biology.

** Early clinical exposure hours to be divided equally in all three subjects.

*** AETCOM module shall be a longitudinal programme.

Table 5: Second Professional teaching hours

Subjects	Lectures (hours)	Small group learning (Tutorials / Seminars) /Integrated learning (hours)	Clinical Postings (hours) *	Self - Directed Learning (hours)	Total (hours)
Pathology	80	138	-	12	230
Pharmacology	80	138	-	12	230
Microbiology	70	110	-	10	190
Community Medicine	20	30	-	10	60
Forensic Medicine and Toxicology	15	30	-	5	50
Clinical Subjects	75**	-	540***	-	615
Attitude, Ethics & Communication Module (AETCOM)	-	29	-	8	37
Sports and extracurricular activities	-	-	-	28	28
Total	-	-	-	-	1440

* At least 3 hours of clinical instruction each week must be allotted to training in clinical and procedural skill laboratories. Hours may be distributed weekly or as a block in each posting based on institutional logistics.

** 25 hours each for Medicine, Surgery and Gynecology & Obstetrics.

***The clinical postings in the second professional shall be 15 hours per week (3 hrs per day from Monday to Friday).


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Table 6: Third Professional Part I teaching hours

Subjects	Teaching Hours	Tutorials/ Seminars /Integrated Teaching (hours)	Self- Directed Learning (hours)	Total (hours)
General Medicine	25	35	5	65
General Surgery	25	35	5	65
Obstetrics and Gynecology	25	35	5	65
Pediatrics	20	30	5	55
Orthopaedics	15	20	5	40
Forensic Medicine and Toxicology	25	45	5	75
Community Medicine	40	60	5	105
Dermatology	20	5	5	30
Psychiatry	25	10	5	40
Respiratory Medicine	10	8	2	20
Otorhinolaryngology	25	40	5	70
Ophthalmology	30	60	10	100
Radiodiagnosis and Radiotherapy	10	8	2	20
Anesthesiology	8	10	2	20
Clinical Postings*	-	-	-	756
Attitude, Ethics & Communication Module (AETCOM)		19	06	25
Total	303	401	66	1551

* The clinical postings in the third professional part I shall be 18 hours per week (3 hrs per day from Monday to Saturday).

Table 7: Third Professional Part II teaching hours

Subjects	Teaching Hours	Tutorials/Seminars / Integrated Teaching (hours)	Self - Directed Learning (hours)	Total* (hours)
General Medicine	70	125	15	210
General Surgery	70	125	15	210
Obstetrics and Gynecology	70	125	15	210
Pediatrics	20	35	10	65
Orthopaedics	20	25	5	50
Clinical Postings**				792
Attitude, Ethics & Communication Module (AETCOM)***	28		16	43
Electives				200
Total	250	435	60	1780

* 25% of allotted time of third professional shall be utilized for integrated learning with pre- and para- clinical subjects and shall be assessed during the clinical subjects examination. This allotted time will be utilized as integrated teaching by para-clinical subjects with clinical subjects (as Clinical Pathology, Clinical Pharmacology and Clinical Microbiology).


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** The clinical postings in the third professional part II shall be 18 hours per week (3 hrs per day from Monday to Saturday).

*** Hours from clinical postings can also be used for AETCOM modules.

Table 8: Clinical postings

Subjects	Period of training in weeks			Total weeks
	II MBBS	III MBBS Part I	III MBBS Part II	
Electives	-	-	8* (4 regular clinical posting)	4
General Medicine ¹	4	4	8+4	20
General Surgery	4	4	8+4	20
Obstetrics & Gynaecology ²	4	4	8+4	20
Pediatrics	2	4	4	10
Community Medicine	4	6	-	10
Orthopedics - including Trauma ³	2	4	2	8
Otorhinolaryngology	4	4	-	8
Ophthalmology	4	4	-	8
Respiratory Medicine	2	-	-	2
Psychiatry	2	2	-	4
Radiodiagnosis ⁴	2	-	-	2
Dermatology, Venereology & Leprosy	2	2	2	6
Dentistry & Anesthesia	-	2	-	2
Casualty	-	2	-	2
	36	42	48	126

* In four of the eight weeks of electives, regular clinical postings shall be accommodated.

Clinical postings may be adjusted within the time framework.

¹ This posting includes Laboratory Medicine (Para-clinical) & Infectious Diseases (Phase III Part I).

² This includes maternity training and family welfare (including Family Planning).

³ This posting includes Physical Medicine and Rehabilitation.

⁴ This posting includes Radiotherapy, wherever available.

9. New teaching / learning elements

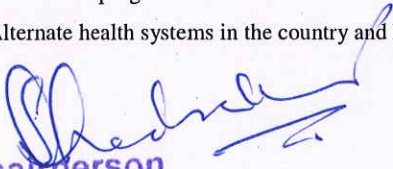
9.1. Foundation Course

9.1.1 **Goal:** The goal of the Foundation Course is to prepare a learner to study medicine effectively. It will be of one month duration after admission.

9.1.2 **Objectives:** The objectives are to:

(a) **Orient the learner to:**

- (i) The medical profession and the physician's role in society
- (ii) The MBBS programme
- (iii) Alternate health systems in the country and history of medicine


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- (iv) Medical ethics, attitudes and professionalism
- (v) Health care system and its delivery
- (vi) National health programmes and policies
- (vii) Universal precautions and vaccinations
- (viii) Patient safety and biohazard safety
- (ix) Principles of primary care (general and community based care)
- (x) The academic ambience

(b) Enable the learner to acquire enhanced skills in:

- (i) Language
- (ii) Interpersonal relationships
- (iii) Communication
- (iv) Learning including self-directed learning
- (v) Time management
- (vi) Stress management
- (vii) Use of information technology

(c) Train the learner to provide:

- (i) First-aid
- (ii) Basic life support

9.1.3 In addition to the above, learners may be enrolled in one of the following programmes which will be run concurrently:

- (a) Local language programme
- (b) English language programme
- (c) Computer skills
- (d) These may be done in the last two hours of the day for the duration of the Foundation Course.

9.1.4 These sessions must be as interactive as possible.

9.1.5 Sports (to be used through the Foundation Course as protected 04 hours / week).

9.1.6 Leisure and extracurricular activity (to be used through the Foundation Course as protected 02 hours per week).

9.1.7 Institutions shall develop learning modules and identify the appropriate resource persons for their delivery.

9.1.8 The time committed for the Foundation Course may not be used for any other curricular activity.

9.1.9 The Foundation Course will have compulsory 75% attendance. This will be certified by the Dean of the college.

9.1.10 The Foundation Course will be organized by the Coordinator appointed by the Dean of the college and will be under supervision of the heads of the preclinical departments.


9.1.11 Every college must arrange for a meeting with parents and their wards.

9.2. Early Clinical Exposure

9.2.1 **Objectives:** The objectives of early clinical exposure of the first-year medical learners are to enable the learner to:

- (a) Recognize the relevance of basic sciences in diagnosis, patient care and treatment,
- (b) Provide a context that will enhance basic science learning,
- (c) Relate to experience of patients as a motivation to learn,
- (d) Recognize attitude, ethics and professionalism as integral to the doctor-patient relationship,


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- (e) Understand the socio-cultural context of disease through the study of humanities.

9.2.2 **Elements**

- (a) Basic science correlation: i.e. apply and correlate principles of basic sciences as they relate to the care of the patient (this will be part of integrated modules).
- (b) Clinical skills: to include basic skills in interviewing patients, doctor-patient communication, ethics and professionalism, critical thinking and analysis and self-learning (this training will be imparted in the time allotted for early clinical exposure).
- (c) Humanities: To introduce learners to a broader understanding of the socio-economic framework and cultural context within which health is delivered through the study of humanities and social sciences.

9.3. **Electives**

9.3.1 **Objectives:** To provide the learner with opportunities:

- (a) For diverse learning experiences,
- (b) To do research/community projects that will stimulate enquiry, self-directed, experiential learning and lateral thinking.

9.3.2 Two months are designated for elective rotations after completion of the examination at end of the third MBBS Part I and before commencement of third MBBS Part II.

9.3.3 It is mandatory for learners to do an elective. The elective time should not be used to make up for missed clinical postings, shortage of attendance or other purposes.

9.3.4 **Structure**

- (a) The learner shall rotate through two elective blocks of 04 weeks each.
- (b) Block 1 shall be done in a pre-selected preclinical or para-clinical or other basic sciences laboratory OR under a researcher in an ongoing research project.
During the electives regular clinical postings shall continue.
- (c) Block 2 shall be done in a clinical department (including specialties, super-specialties, ICUs, blood bank and casualty) from a list of electives developed and available in the institution.

OR

as a supervised learning experience at a rural or urban community clinic.

- (d) Institutions will pre-determine the number and nature of electives, names of the supervisors, and the number of learners in each elective based on the local conditions, available resources and faculty.

9.3.5 Each institution will develop its own mechanism for allocation of electives.

9.3.6 It is preferable that elective choices are made available to the learners in the beginning of the academic year.

9.3.7 The learner must submit a learning log book based on both blocks of the elective.

9.3.8 75% attendance in the electives and submission of log book maintained during elective is required for eligibility to appear in the final MBBS examination.

9.3.9 Institutions may use part of this time for strengthening basic skill certification.

9.4. **Professional Development including Attitude, Ethics and Communication Module (AETCOM)**

9.4.1 **Objectives** of the programme: At the end of the programme, the learner must demonstrate ability to:

- (a) understand and apply principles of bioethics and law as they apply to medical practice and research; understand and apply the principles of clinical reasoning as they apply to the care of the patients,
- (b) understand and apply the principles of system based care as they relate to the care of the patient,
- (c) understand and apply empathy and other human values to the care of the patient,
- (d) communicate effectively with patients, families, colleagues and other health care professionals,


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- (e) understand the strengths and limitations of alternative systems of medicine,
- (f) respond to events and issues in a professional, considerate and humane fashion,
- (g) translate learning from the humanities in order to further his / her professional and personal growth.

9.4.2 **Learning experiences:**

- (a) This will be a longitudinal programme spread across the continuum of the MBBS programme including internship,
- (b) Learning experiences may include – small group discussions, patient care scenarios, workshop, seminars, role plays, lectures etc.
- (c) Attitude, Ethics & Communication Module (AETCOM module) developed by Medical Council of India should be used longitudinally for purposes of instruction.

9.4.3 75% attendance in Professional Development Programme (AETCOM Module) is required for eligibility to appear for final examination in each professional year.

9.4.4 Internal Assessment will include:

- (a) Written tests comprising of short notes and creative writing experiences,
- (b) OSCE based clinical scenarios / viva voce.

9.4.5 At least one question in each paper of the clinical specialties in the University examination should test knowledge competencies acquired during the professional development programme.

9.4.6 Skill competencies acquired during the Professional Development Programme must be tested during the clinical, practical and viva voce.

9.5. Learner-doctor method of clinical training (Clinical Clerkship)

9.5.1 **Goal:** To provide learners with experience in:

- (a) Longitudinal patient care,
- (b) Being part of the health care team,
- (c) Hands-on care of patients in outpatient and inpatient setting.

9.5.2 **Structure:**

- (a) The first clinical posting in second professional shall orient learners to the patient, their roles and the specialty.
- (b) The learner-doctor programme will progress as outlined in Table 9.
- (c) The learner will function as a part of the health care team with the following responsibilities:
 - (i) Be part of the unit's outpatient services on admission days,
 - (ii) Remain with the admission unit until 6 PM except during designated class hours,
 - (iii) Be assigned patients admitted during each admission day for whom he/she will undertake responsibility, under the supervision of a senior resident or faculty member,
 - (iv) Participate in the unit rounds on its admission day and will present the assigned patients to the supervising physician,
 - (v) Follow the patient's progress throughout the hospital stay until discharge,
 - (vi) Participate, under supervision, in procedures, surgeries, deliveries etc. of assigned patients (according to responsibilities outlined in table 9),
 - (vii) Participate in unit rounds on at least one other day of the week excluding the admission day,
 - (viii) Discuss ethical and other humanitarian issues during unit rounds,
 - (ix) Attend all scheduled classes and educational activities,
 - (x) Document his/her observations in a prescribed log book / case record.
- (d) **No learner will be given independent charge of the patient**
- (e) The supervising physician will be responsible for all patient care decisions

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9.5.3 **Assessment:**

- A designated faculty member in each unit will coordinate and facilitate the activities of the learner, monitor progress, provide feedback and review the log book/ case record.
- The log book/ case record must include the written case record prepared by the learner including relevant investigations, treatment and its rationale, hospital course, family and patient discussions, discharge summary etc.
- The log book should also include records of outpatients assigned. Submission of the log book/ case record to the department is required for eligibility to appear for the final examination of the subject.

Table 9: Learner - Doctor programme (Clinical Clerkship)

Year of Curriculum	Focus of Learner - Doctor programme
Year 1	Introduction to hospital environment, early clinical exposure, understanding perspectives of illness
Year 2	History taking, physical examination, assessment of change in clinical status, communication and patient education
Year 3	All of the above and choice of investigations, basic procedures and continuity of care
Year 4	All of the above and decision making, management and outcomes

CHAPTER V

COMPETENCY BASED CURRICULUM OF THE INDIAN MEDICAL GRADUATE PROGRAMME

10. Specific Competencies

10.1. Preamble: The salient feature of the revision of the medical curriculum in 2019 is the emphasis on learning which is competency-based, integrated and learner-centered acquisition of skills and ethical & humanistic values.

Each of the competencies described below must be read in conjunction with the goals of the medical education as listed in items 2 to 3.5.5

It is recommended that didactic teaching be restricted to less than one third of the total time allotted for that discipline. Greater emphasis is to be laid on hands-on training, symposia, seminars, small group discussions, problem-oriented and problem-based discussions and self-directed learning. Learners must be encouraged to take active part in and shared responsibility for their learning.

The global competencies to be achieved by the learner are outlined above in Chapter 1- section 3. Since the MBBS programme assessment will continue to be subject based, subject specific competencies have been outlined. These have to be acquired by the learner in the corresponding professional year. These competencies must be interpreted in the larger context outlined in section 3 and may be considered as "sub competencies" of the global competencies.

10.2. Integration must be horizontal (i.e. across disciplines in a given phase of the course) and vertical (across different phases of the course). As far as possible, it is desirable that teaching/learning occurs in each phase through study of organ systems or disease blocks in order to align the learning process. Clinical cases must be used to integrate and link learning across disciplines.


10.3. Pre-clinical Subjects

10.3.1. Human Anatomy

(a) **Competencies:** The undergraduate must demonstrate:

- Understanding of the gross and microscopic structure and development of human body.
- Comprehension of the normal regulation and integration of the functions of the organs and systems on basis of the structure and genetic pattern,
- Understanding of the clinical correlation of the organs and structures involved and interpret the anatomical basis of the disease presentations.


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- (b) **Integration:** The teaching should be aligned and integrated horizontally and vertically in organ systems with clinical correlation that will provide a context for the learner to understand the relationship between structure and function and interpret the anatomical basis of various clinical conditions and procedures.

10.3.2. Physiology

- (a) **Competencies:** The undergraduates must demonstrate:
1. Understanding of the normal functioning of the organs and organ systems of the body,
 2. Comprehension of the normal structure and organization of the organs and systems on basis of the functions,
 3. Understanding of age-related physiological changes in the organ functions that reflect normal growth and development,
 4. Understand the physiological basis of diseases.
- (b) **Integration:** The teaching should be aligned and integrated horizontally and vertically in organ systems in order to provide a context in which normal function can be correlated both with structure and with the biological basis, its clinical features, diagnosis and therapy.

10.3.3. Biochemistry

The course will comprise Molecular and Cellular Biochemistry.

- (a) **Competencies:** The learner must demonstrate an understanding of:
1. Biochemical and molecular processes involved in health and disease,
 2. Importance of nutrition in health and disease,
 3. Biochemical basis and rationale of clinical laboratory tests, and demonstrate ability to interpret these in the clinical context.
- (b) **Integration:** The teaching/learning programme should be integrated horizontally and vertically, as much as possible, to enable learners to make clinical correlations and to acquire an understanding of the cellular and molecular basis of health and disease.

10.3.4. Introduction to Community Medicine

- (a) **Competencies:** The undergraduate must demonstrate:
1. Understanding of the concept of health and disease,
 2. Understanding of demography, population dynamics and disease burden in National and global context,
 3. Comprehension of principles of health economics and hospital management,
 4. Understanding of interventions to promote health and prevent diseases as envisioned in National and State Health Programmes.

10.4. Second Professional (Para-Clinical)

10.4.1. Pathology

- (a) **Competencies:** The undergraduate must demonstrate:
1. Comprehension of the causes, evolution and mechanisms of diseases,
 2. Knowledge of alterations in gross and cellular morphology of organs in disease states,
 3. Ability to correlate the natural history, structural and functional changes with the clinical manifestations of diseases, their diagnosis and therapy,
- (b) **Integration:** The teaching should be aligned and integrated horizontally and vertically in organ systems recognizing deviations from normal structure and function and clinically correlated so as to provide an overall understanding of the etiology, mechanisms, laboratory diagnosis, and management of diseases.



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10.4.2. Microbiology

- (a) **Competencies:** The undergraduate learner demonstrate:
1. Understanding of role of microbial agents in health and disease,
 2. Understanding of the immunological mechanisms in health and disease,
 3. Ability to correlate the natural history, mechanisms and clinical manifestations of infectious diseases as they relate to the properties of microbial agents,
 4. Knowledge of the principles and application of infection control measures,
 5. An understanding of the basis of choice of laboratory diagnostic tests and their interpretation, antimicrobial therapy, control and prevention of infectious diseases.
- (b) **Integration:** The teaching should be aligned and integrated horizontally and vertically in organ systems with emphasis on host-microbe-environment interactions and their alterations in disease and clinical correlations so as to provide an overall understanding of the etiological agents, their laboratory diagnosis and prevention.

10.4.3. Pharmacology

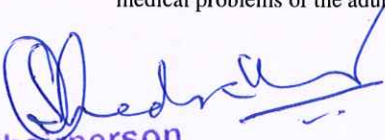
- (a) **Competencies:** The undergraduate must demonstrate:
1. Knowledge about essential and commonly used drugs and an understanding of the pharmacologic basis of therapeutics,
 2. Ability to select and prescribe medicines based on clinical condition and the pharmacologic properties, efficacy, safety, suitability and cost of medicines for common clinical conditions of national importance,
 3. Knowledge of pharmacovigilance, essential medicine concept and sources of drug information and industry-doctor relationship,
 4. Ability to counsel patients regarding appropriate use of prescribed drug and drug delivery systems.
- (b) **Integration:** The teaching should be aligned and integrated horizontally and vertically in organ systems recognizing the interaction between drug, host and disease in order to provide an overall understanding of the context of therapy.

10.4.4. Forensic Medicine and Toxicology

- (a) **Competencies:** The learner must demonstrate:
1. Understanding of medico-legal responsibilities of physicians in primary and secondary care settings,
 2. Understanding of the rational approach to the investigation of crime, based on scientific and legal principles,
 3. Ability to manage medical and legal issues in cases of poisoning / overdose,
 4. Understanding the medico-legal framework of medical practice and medical negligence,
 5. Understanding of codes of conduct and medical ethics.
- (b) **Integration:** The teaching should be aligned and integrated horizontally and vertically recognizing the importance of medico-legal, ethical and toxicological issues as they relate to the practice of medicine.

10.4.5. Community Medicine – as per 10.3.4**10.5. Third Professional (Part I)****10.5.1. General Medicine**

- (a) **Competencies:** The student must demonstrate ability to do the following in relation to common medical problems of the adult in the community:


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1. Demonstrate understanding of the patho-physiologic basis, epidemiological profile, signs and symptoms of disease and their investigation and management,
2. Competently interview and examine an adult patient and make a clinical diagnosis,
3. Appropriately order and interpret laboratory tests,
4. Initiate appropriate cost-effective treatment based on an understanding of the rational drug prescriptions, medical interventions required and preventive measures,
5. Follow up of patients with medical problems and refer whenever required,
6. Communicate effectively, educate and counsel the patient and family,
7. Manage common medical emergencies and refer when required,
8. Independently perform common medical procedures safely and understand patient safety issues.

(b) **Integration:** The teaching should be aligned and integrated horizontally and vertically in order to provide sound biologic basis and incorporating the principles of general medicine into a holistic and comprehensive approach to the care of the patient.

10.5.2. General Surgery

(a) **Competencies:** The student must demonstrate:

1. Understanding of the structural and functional basis, principles of diagnosis and management of common surgical problems in adults and children,
2. Ability to choose, calculate and administer appropriately intravenous fluids, electrolytes, blood and blood products based on the clinical condition,
3. Ability to apply the principles of asepsis, sterilization, disinfection, rational use of prophylaxis, therapeutic utilities of antibiotics and universal precautions in surgical practice,
4. Knowledge of common malignancies in India and their prevention, early detection and therapy,
5. Ability to perform common diagnostic and surgical procedures at the primary care level,
6. Ability to recognize, resuscitate, stabilize and provide Basic & Advanced Life Support to patients following trauma,
7. Ability to administer informed consent and counsel patient prior to surgical procedures,
8. Commitment to advancement of quality and patient safety in surgical practice.

(b) **Integration:** The teaching should be aligned and integrated horizontally and vertically in order to provide a sound biologic basis and a holistic approach to the care of the surgical patient.

10.5.3. Obstetrics and Gynaecology

(a) **Competencies in Obstetrics:** The student must demonstrate ability to:

1. Provide peri-conceptional counseling and antenatal care,
2. Identify high-risk pregnancies and refer appropriately,
3. Conduct normal deliveries, using safe delivery practices in the primary and secondary care settings,
4. Prescribe drugs safely and appropriately in pregnancy and lactation,
5. Diagnose complications of labor, institute primary care and refer in a timely manner,
6. Perform early neonatal resuscitation,
7. Provide postnatal care, including education in breast-feeding,
8. Counsel and support couples in the correct choice of contraception,



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9. Interpret test results of laboratory and radiological investigations as they apply to the care of the obstetric patient,
10. Apply medico-legal principles as they apply to tubectomy, Medical Termination of Pregnancy (MTP), Pre-conception and Prenatal Diagnostic Techniques (PC PNDT Act) and other related Acts.

Competencies in Gynecology: The student must demonstrate ability to:

1. Elicit a gynecologic history, perform appropriate physical and pelvic examinations and PAP smear in the primary care setting,
 2. Recognize, diagnose and manage common reproductive tract infections in the primary care setting,
 3. Recognize and diagnose common genital cancers and refer them appropriately.
- (b) **Integration:** The teaching should be aligned and integrated horizontally and vertically in order to provide comprehensive care for women in their reproductive years and beyond, based on a sound knowledge of structure, functions and disease and their clinical, social, emotional, psychological correlates in the context of national health priorities.

10.5.4. Pediatrics

(a) **Competencies:** The student must demonstrate:

1. Ability to assess and promote optimal growth, development and nutrition of children and adolescents and identify deviations from normal,
2. Ability to recognize and provide emergency and routine ambulatory and First Level Referral Unit care for neonates, infants, children and adolescents and refer as may be appropriate,
3. Ability to perform procedures as indicated for children of all ages in the primary care setting,
4. Ability to recognize children with special needs and refer appropriately,
5. Ability to promote health and prevent diseases in children,
6. Ability to participate in National Programmes related to child health and in conformation with the Integrated Management of Neonatal and Childhood Illnesses (IMNCI) Strategy,
7. Ability to communicate appropriately and effectively.

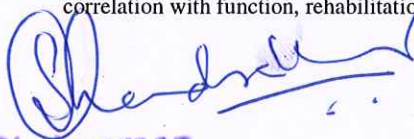
(b) **Integration:** The teaching should be aligned and integrated horizontally and vertically in order to provide comprehensive care for neonates, infants, children and adolescents based on a sound knowledge of growth, development, disease and their clinical, social, emotional, psychological correlates in the context of national health priorities.

10.5.5. Orthopaedics (including Trauma)

(a) **Competencies:** The student must demonstrate:


1. Ability to recognize and assess bone injuries, dislocation and poly-trauma and provide first contact care prior to appropriate referral,
2. Knowledge of the medico-legal aspects of trauma,
3. Ability to recognize and manage common infections of bone and joints in the primary care setting,
4. Recognize common congenital, metabolic, neoplastic, degenerative and inflammatory bone diseases and refer appropriately,
5. Ability to perform simple orthopaedic techniques as applicable to a primary care setting,
6. Ability to recommend rehabilitative services for common orthopaedic problems across all ages.

(b) **Integration:** The teaching should be aligned and integrated horizontally and vertically in order to allow the student to understand the structural basis of orthopaedic problems, their management and correlation with function, rehabilitation and quality of life.



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10.5.6. Forensic Medicine and Toxicology – as per 10.4.4**10.5.7. Community medicine**

(a) **Competencies:** The learner must demonstrate:

1. Understanding of physical, social, psychological, economic and environmental determinants of health and disease,
2. Ability to recognize and manage common health problems including physical, emotional and social aspects at individual family and community level in the context of National Health Programmes,
3. Ability to Implement and monitor National Health Programmes in the primary care setting,
4. Knowledge of maternal and child wellness as they apply to national health care priorities and programmes,
5. Ability to recognize, investigate, report, plan and manage community health problems including malnutrition and emergencies.

(b) **Integration:** The teaching should be aligned and integrated **horizontally** and vertically in order to allow the learner to understand the impact of environment, society and national health priorities as they relate to the promotion of health and prevention and cure of disease.

10.5.8. Dermatology, Venereology & Leprosy

(a) **Competencies:** The undergraduate student must demonstrate:

1. Understanding of the principles of diagnosis of diseases of the skin, hair, nail and mucosa,
2. Ability to recognize, diagnose, order appropriate investigations and treat common diseases of the skin including leprosy in the primary care setting and refer as appropriate,
3. A syndromic approach to the recognition, diagnosis, prevention, counseling, testing and management of common sexually transmitted diseases including HIV based on national health priorities,
4. Ability to recognize and treat emergencies including drug reactions and refer as appropriate.

(b) **Integration:** The teaching should be aligned and integrated horizontally and vertically in order to emphasize the biologic basis of diseases of the skin, sexually transmitted diseases and leprosy and to provide an understanding that skin diseases may be a manifestation of systemic disease.


10.5.9. Psychiatry

(a) **Competencies:** The student must demonstrate:

1. Ability to promote mental health and mental hygiene,
2. Knowledge of etiology (bio-psycho-social-environmental interactions), clinical features, diagnosis and management of common psychiatric disorders across all ages,
3. Ability to recognize and manage common psychological and psychiatric disorders in a primary care setting, institute preliminary treatment in disorders difficult to manage, and refer appropriately,
4. Ability to recognize alcohol/ substance abuse disorders and refer them to appropriate centers,
5. Ability to assess risk for suicide and refer appropriately,
6. Ability to recognize temperamental difficulties and personality disorders,
7. Assess mental disability and rehabilitate appropriately,
8. Understanding of National and State programmes that address mental health and welfare of patients and community.

(b) **Integration:** The teaching should be aligned and integrated horizontally and vertically in order to allow the student to understand bio-psycho-social-environmental interactions that lead to diseases/ disorders for preventive, promotive, curative, rehabilitative services and medico-legal implications in the care of patients both in family and community.


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10.5.10 Respiratory Medicine**(a) Competencies:** The student must demonstrate:

1. Knowledge of common chest diseases, their clinical manifestations, diagnosis and management,
2. Ability to recognize, diagnose and manage pulmonary tuberculosis as contemplated in National Tuberculosis Control programme,
3. Ability to manage common respiratory emergencies in primary care setting and refer appropriately.

(b) Integration: The teaching should be aligned and integrated horizontally and vertically in order to allow the student to recognize diagnose and treat TB in the context of the society, national health priorities, drug resistance and co-morbid conditions like HIV.**10.5.11 Otorhinolaryngology****(a) Competencies:** The learner must demonstrate:

1. Knowledge of the common Otorhinolaryngological (ENT) emergencies and problems,
2. Ability to recognize, diagnose and manage common ENT emergencies and problems in primary care setting,
3. Ability to perform simple ENT procedures as applicable in a primary care setting,
4. Ability to recognize hearing impairment and refer to the appropriate hearing impairment rehabilitation programme.

(b) Integration: The teaching should be aligned and integrated horizontally and vertically in order to allow the learner to understand the structural basis of ENT problems, their management and correlation with function, rehabilitation and quality of life.**10.5.12 Ophthalmology****(a) Competencies:** The student must demonstrate:

1. Knowledge of common eye problems in the community
2. Recognize, diagnose and manage common eye problems and identify indications for referral,
3. Ability to recognize visual impairment and blindness in the community and implement National programmes as applicable in the primary care setting.

(b) Integration: The teaching should be aligned and integrated horizontally and vertically in order to allow the student to understand the structural basis of ophthalmologic problems, their management and correlation with function, rehabilitation and quality of life.**10.5.13a Radiodiagnosis****(a) Competencies:** The student must demonstrate:

1. Understanding of indications for various radiological investigations in common clinical practice,
2. Awareness of the ill effects of radiation and various radiation protective measures to be employed,
3. Ability to identify abnormalities in common radiological investigations.

(b) Integration: Horizontal and vertical integration to understand the fundamental principles of radiologic imaging, anatomic correlation and their application in diagnosis and therapy.**10.5.13b Radiotherapy****(a) Competencies:** The student must demonstrate understanding of:

1. Clinical presentations of various cancers,
2. Appropriate treatment modalities for various types of malignancies,
3. Principles of radiotherapy and techniques.



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- (b) **Integration:** Horizontal and vertical integration to enable basic understanding of fundamental principles of radio-therapeutic procedures.

10.5.14 Anaesthesiology

- (a) **Competencies in Anaesthesiology:** The student must demonstrate ability to:

1. Describe and discuss the pre-operative evaluation, assessing fitness for surgery and the modifications in medications in relation to anaesthesia / surgery,
2. Describe and discuss the roles of Anaesthesiologist as a peri-operative physician including pre-medication, endotracheal intubation, general anaesthesia and recovery (including variations in recovery from anaesthesia and anaesthetic complications),
3. Describe and discuss the management of acute and chronic pain, including labour analgesia,
4. Demonstrate awareness about the maintenance of airway in children and adults in various situations,
5. Demonstrate the awareness about the indications, selection of cases and execution of cardio-pulmonary resuscitation in emergencies and in the intensive care and high dependency units,
6. Choose cases for local / regional anaesthesia and demonstrate the ability to administer the same,
7. Discuss the implications and obtain informed consent for various procedures and to maintain the documents.

- (b) **Integration:** The teaching should be aligned and integrated horizontally and vertically in order to provide comprehensive care for patients undergoing various surgeries, in patients with pain, in intensive care and in cardio respiratory emergencies. Integration with the preclinical department of Anatomy, para- clinical department of Pharmacology and horizontal integration with any/all surgical specialities is proposed.

10.6. Third Professional (Part II)

- 10.6.1. General Medicine – as per 10.5.1
 10.6.2. General Surgery – as per 10.5.2
 10.6.3. Obstetrics & Gynaecology – as per 10.5.3
 10.6.4. Pediatrics – as per 10.5.4
 10.6.5. Orthopaedics – as per 10.5.5

CHAPTER VI

ASSESSMENT

11. Assessment

11.1. Eligibility to appear for Professional examinations


- 11.1.1. The performance in essential components of training are to be assessed, based on:

(a) Attendance

1. Attendance requirements are 75% in theory and 80% in practical /clinical for eligibility to appear for the examinations in that subject. In subjects that are taught in more than one phase – the learner must have 75% attendance in theory and 80% in practical in each phase of instruction in that subject.
2. If an examination comprises more than one subject (for e.g., General Surgery and allied branches), the candidate must have 75% attendance in each subject and 80% attendance in each clinical posting.
3. Learners who do not have at least 75% attendance in the electives will not be eligible for the Third Professional - Part II examination.

- (b) **Internal Assessment:** Internal assessment shall be based on day-to-day assessment. It shall relate to different ways in which learners participate in learning process including assignments, preparation for seminar, clinical case presentation, preparation of clinical case for discussion, clinical case study/problem solving exercise, participation in project for health


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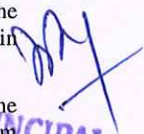
care in the community, proficiency in carrying out a practical or a skill in small research project, a written test etc.

1. Regular periodic examinations shall be conducted throughout the course. There shall be no less than three internal assessment examinations in each Preclinical / Para-clinical subject and no less than two examinations in each clinical subject in a professional year. An end of posting clinical assessment shall be conducted for each clinical posting in each professional year.
2. When subjects are taught in more than one phase, the internal assessment must be done in each phase and must contribute proportionately to final assessment. For example, General Medicine must be assessed in second Professional, third Professional Part I and third Professional Part II, independently.
3. Day to day records and log book (including required skill certifications) should be given importance in internal assessment. Internal assessment should be based on competencies and skills.
4. The final internal assessment in a broad clinical specialty (e.g., Surgery and allied specialties etc.) shall comprise of marks from all the constituent specialties. The proportion of the marks for each constituent specialty shall be determined by the time of instruction allotted to each.
5. Learners must secure at least 50% marks of the total marks (combined in theory and practical / clinical; not less than 40 % marks in theory and practical separately) assigned for internal assessment in a particular subject in order to be eligible for appearing at the final University examination of that subject. Internal assessment marks will reflect as separate head of passing at the summative examination.
6. The results of internal assessment should be displayed on the notice board within a 1-2 weeks of the test. Universities shall guide the colleges regarding formulating policies for remedial measures for students who are either not able to score qualifying marks or have missed on some assessments due to any reason.
7. Learners must have completed the required certifiable competencies for that phase of training and completed the log book appropriate for that phase of training to be eligible for appearing at the final university examination of that subject.

University Examinations

- 11.2.1 University examinations are to be designed with a view to ascertain whether the candidate has acquired the necessary knowledge, minimal level of skills, ethical and professional values with clear concepts of the fundamentals which are necessary for him/her to function effectively and appropriately as a physician of first contact. Assessment shall be carried out on an objective basis to the extent possible.
- 11.2.2 Nature of questions will include different types such as structured essays (Long Answer Questions - LAQ), Short Answers Questions (SAQ) and objective type questions (e.g. Multiple Choice Questions - MCQ). Marks for each part should be indicated separately. MCQs shall be accorded a weightage of not more than 20% of the total theory marks. In subjects that have two papers, the learner must secure at least 40% marks in each of the papers with minimum 50% of marks in aggregate (both papers together) to pass.
- 11.2.3 Practical/clinical examinations will be conducted in the laboratories and /or hospital wards. The objective will be to assess proficiency and skills to conduct experiments, interpret data and form logical conclusion. Clinical cases kept in the examination must be common conditions that the learner may encounter as a physician of first contact in the community. Selection of rare syndromes and disorders as examination cases is to be discouraged. Emphasis should be on candidate's capability to elicit history, demonstrate physical signs, write a case record, analyze the case and develop a management plan.
- 11.2.4 Viva/oral examination should assess approach to patient management, emergencies, attitudinal, ethical and professional values. Candidate's skill in interpretation of common investigative data, X-rays, identification of specimens, ECG, etc. is to be also assessed.
- 11.2.5 There shall be one main examination in an academic year and a supplementary to be held not later than 90 days after the declaration of the results of the main examination.


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11.2.6 A learner shall not be entitled to graduate after 10 years of his/her joining of the first part of the MBBS course.

11.2.7 University Examinations shall be held as under:

(a) First Professional

1. The first Professional examination shall be held at the end of first Professional training (1+12 months), in the subjects of Human Anatomy, Physiology and Biochemistry.
2. A maximum number of four permissible attempts would be available to clear the first Professional University examination, whereby the first Professional course will have to be cleared within 4 years of admission to the said course. Partial attendance at any University examination shall be counted as an availed attempt.

(b) Second Professional

1. The second Professional examination shall be held at the end of second professional training (11 months), in the subjects of Pathology, Microbiology, and Pharmacology.

(c) Third Professional

1. Third Professional Part I shall be held at end of third Professional part I of training (12 months) in the subjects of Ophthalmology, Otorhinolaryngology, Community Medicine and Forensic Medicine and Toxicology
2. Third Professional Part II - (Final Professional) examination shall be at the end of training (14 months including 2 months of electives) in the subjects of General Medicine, General Surgery, Obstetrics & Gynecology and Pediatrics. The discipline of Orthopedics, Anesthesiology, Dentistry and Radiodiagnosis will constitute 25% of the total theory marks incorporated as a separate section in paper II of General Surgery.
3. The discipline of Psychiatry and Dermatology, Venereology and Leprosy (DVL), Respiratory Medicine including Tuberculosis will constitute 25% of the total theory marks in General Medicine incorporated as a separate section in paper II of General Medicine.

(d) Examination schedule is in Table 1.

(e) Marks distribution is in Table 10.

Table 10 : Marks distribution for various subjects

Phase of Course	Written-Theory – Total	Practicals/Orals/ Clinicals	Pass Criteria
First Professional			Internal Assessment: 50% combined in theory and practical (not less than 40% in each) for eligibility for appearing for University Examinations
Human Anatomy - 2 papers	200	100	
Physiology - 2 papers	200	100	
Biochemistry - 2 papers	200	100	University Examination Mandatory 50% marks separately in theory and practical (practical = practical/clinical + viva)
Second Professional			
Pharmacology - 2 Papers	200	100	
Pathology - 2 papers	200	100	
Microbiology - 2 papers	200	100	
Third Professional Part – I			
Forensic Medicine & Toxicology - 1 paper	100	100	
Ophthalmology – 1 paper	100	100	

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Otorhinolaryngology - 1 paper	100	100
Community Medicine - 2 papers	200	100
Third Professional Part - II		
General Medicine - 2 papers	200	200
General Surgery - 2 papers	200	200
Pediatrics - 1 paper	100	100
Obstetrics & Gynaecology - 2 papers	200	200

Note: At least one question in each paper of the clinical specialties should test knowledge - competencies acquired during the professional development programme (AETCOM module); Skills competencies acquired during the Professional Development programme (AETCOM module) must be tested during clinical, practical and viva.


In subjects that have two papers, the learner must secure at least 40% marks in each of the papers with minimum 50% of marks in aggregate (both papers together) to pass in the said subject.

11.2.8 **Criteria for passing in a subject:** A candidate shall obtain 50% marks in University conducted examination separately in Theory and Practical (practical includes: practical/ clinical and viva voce) in order to be declared as passed in that subject.

11.2.9 **Appointment of Examiners**

- Person appointed as an examiner in the particular subject must have at least four years of total teaching experience as assistant professor after obtaining postgraduate degree in the subject in a college affiliated to a recognized/approved/permited medical college.
- For the Practical/ Clinical examinations, there shall be at least four examiners for 100 learners, out of whom not less than 50% must be external examiners. Of the four examiners, the senior-most internal examiner will act as the Chairman and coordinator of the whole examination programme so that uniformity in the matter of assessment of candidates is maintained. Where candidates appearing are more than 100, two additional examiners (one external & one internal) for every additional 50 or part there of candidates appearing, be appointed.
- In case of non-availability of medical teachers, approved teachers without a medical degree (engaged in the teaching of MBBS students as whole-time teachers in a recognized medical college), may be appointed examiners in their concerned subjects provided they possess requisite doctorate qualifications and four years teaching experience (as assistant professors) of MBBS students. Provided further that the 50% of the examiners (Internal & External) are from the medical qualification stream.
- External examiners may not be from the same University.
- The internal examiner in a subject shall not accept external examinership for a college from which external examiner is appointed in his/her subject.
- A University having more than one college shall have separate sets of examiners for each college, with internal examiners from the concerned college.
- External examiners shall rotate at an interval of 2 years.
- There shall be a Chairman of the Board of paper-setters who shall be an internal examiner and shall moderate the questions.
- All eligible examiners with requisite qualifications and experience can be appointed internal examiners by rotation in their subjects.
- All theory paper assessment should be done as central assessment program (CAP) of concerned university.
- Internal examiners should be appointed from same institution for unitary examination in same institution. For pooled examinations at one centre approved internal examiners from same university may be appointed.
- The grace marks up to a maximum of five marks may be awarded at the discretion of the University to a learner for clearing the examination as a whole but not for clearing a subject resulting in exemption.


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CHAPTER VII

INTERNSHIP

12. INTERNSHIP

Internship is a phase of training wherein a graduate will acquire the skills and competencies for practice of medical and health care under supervision so that he/she can be certified for independent medical practice as an Indian Medical Graduate. In order to make trained work force available, it may be considered as a phase of training wherein the graduate is expected to conduct actual practice under the supervision of a trained doctor. The learning methods and modalities have to be done during the MBBS course itself with larger number of hands on session and practice on simulators.

12.1. Goal:

The goal of the internship programme is to train medical students to fulfill their roles as doctors of first contact in the community.

12.2 Objectives: At the end of the internship period, the medical graduate will possess all competencies required of an Indian Medical Graduate, namely:

- 12.2.1 Independently provide preventive, promotive, curative and palliative care with compassion,
- 12.2.2 Function as leader and member of the health care team and health system,
- 12.2.3 Communicate effectively with patients, families, colleagues and the community,
- 12.2.4 Be certified in diagnostic and therapeutic skills in different disciplines of medicine taught in the undergraduate programme,
- 12.2.5 Be a lifelong learner committed to continuous improvement of skills and knowledge,
- 12.2.6 Be a professional committed to excellence and is ethical, responsive and accountable to patients, community and profession.

12.3 Time Distribution


Community Medicine (Residential posting)	2 months
General Medicine including 15 days of Psychiatry	2 months
General Surgery including 15 days Anaesthesia	2 months
Obstetrics & Gynaecology including	
Family Welfare Planning	2 months
Pediatrics	1 month
Orthopaedics including PM & R	1 month
Otorhinolaryngology	15 days
Ophthalmology	15 days
Casualty	15 days
Elective posting (1x15 days)	15 days

Subjects for Elective posting will be as follows:

1. Dermatology, Venereology & Leprosy
2. Respiratory Medicine
3. Radio diagnosis
4. Forensic Medicine & Toxicology
5. Blood Bank
6. Psychiatry

Note: Structure internship with assessment at the end in the college.


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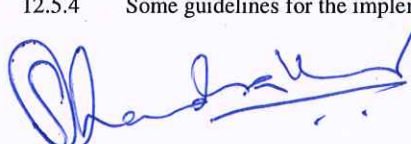

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12.4 Other details:


- 12.4.1 The core rotations of the internship shall be done in primary and secondary/ tertiary care institutions in India. In case of any difficulties, the matter may be referred to the Medical Council of India to be considered on individual merit.
- 12.4.2 Every candidate will be required after passing the final MBBS examination to undergo compulsory rotational internship to the satisfaction of the College authorities and University concerned for a period of 12 months so as to be eligible for the award of the degree of Bachelor of Medicine and Bachelor of Surgery (MBBS) and full registration.
- 12.4.3 The University shall issue a provisional MBBS pass certificate on passing the final examination.
- 12.4.4 The State Medical Council will grant provisional registration to the candidate upon production of the provisional MBBS pass certificate. The provisional registration will be for a period of one year. In the event of the shortage or unsatisfactory work, the period of provisional registration and the compulsory rotating internship shall be suitably extended by the appropriate authorities.
- 12.4.5 The intern shall be entrusted with clinical responsibilities under direct supervision of a designated supervising physician. They shall not work independently.
- 12.4.6 Interns will not issue medical certificate or death certificate or other medico-legal document under their signature.
- 12.4.7 Each medical college must ensure that the student gets learning experience in primary/secondary and urban/rural centers in order to provide a diverse learning experience and facilitate the implementation of national health programmes/ priorities. These shall include community and outreach activities, collaboration with rural and urban community health centers, participation in government health missions etc.
- 12.4.8 One year's approved service in the Armed Forces Medical Services, after passing the final MBBS examination shall be considered as equivalent to the pre-registration training detailed above; such training shall, as far as possible, be at the Base/General Hospital. The training in Community Medicine should fulfill the norms of the MCI as proposed above.
- 12.4.9 In recognition of the importance of hands-on experience, full responsibility for patient care and skill acquisition, internship should be increasingly scheduled to utilize clinical facilities available in District Hospital, Taluka Hospital, Community Health Centre and Primary Health Centre, in addition to Teaching Hospital. A critical element of internship will be the acquisition of specific experiences and skill as listed in major areas: provided that where an intern is posted to District/Sub Divisional Hospital for training, there shall be a committee consisting of representatives of the college/University, the State Government and the District administration, who shall regulate the training of such trainee. Provided further that, for such trainee a certificate of satisfactory completion of training shall be obtained from the relevant administrative authorities which shall be countersigned by the Principal/Dean of College.

12.5 Assessment of Internship:

- 12.5.1 The intern shall maintain a record of work in a log book, which is to be verified and certified by the medical officer under whom he/she works. Apart from scrutiny of the record of work, assessment and evaluation of training shall be undertaken by an objective approach using situation tests in knowledge, skills and attitude during and at the end of the training.
- 12.5.2 Based on the record of work and objective assessment at the end of each posting, the Dean/Principal shall issue cumulative certificate of satisfactory completion of training at the end of internship, following which the University shall award the MBBS degree or declare him eligible for it.
- 12.5.3 Full registration shall only be given by the State Medical Council/Medical Council of India on the award of the MBBS degree by the University or its declaration that the candidate is eligible for it.
- 12.5.4 Some guidelines for the implementation of the training programme are given below.



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12.6 INTERNSHIP – DISCIPLINE RELATED:

12.6.1 COMMUNITY MEDICINE

GOAL:

The aim of teaching the undergraduate student in Community Medicine is to impart such knowledge and skills that may enable him to diagnose and treat common medical illnesses and recognize the importance of community involvement. He/she shall acquire competence to deal effectively with an individual and the community in the context of primary health care. This is to be achieved by hands-on experience in the District Hospital and Primary Health Centre. The details are as under: -

I) District Hospital /Community Health Centre/Attachment to General Practitioner:

A. An intern must be able to do without assistance:

1. An intern must:
 - a) Be able to diagnose common ailments and advise primary care;
 - b) Demonstrate knowledge on 'Essential drugs' and their usage;
 - c) Recognize medical emergencies, resuscitate and institute initial treatment and refer to a suitable institution.
2. An intern must be familiar with all National Health Programmes (e.g. RCH, UIP, CDD, ARI, FP, ANC, Tuberculosis, Leprosy and others), as recommended by the Ministry of Health and Family Welfare.
3. An intern must:
 - a) Gain full expertise in immunization against infectious disease;
 - b) Participate in programmes related to prevention and control of locally prevalent endemic diseases including nutritional disorders;
 - c) Learn skills in family welfare planning procedures;
4. An intern must:
 - a) Conduct programmes on health education,
 - b) Gain capabilities to use Audiovisual aids,
 - c) Acquire capability of utilization of scientific information for promotion of community health

B. An intern must have observed or preferably assisted at the following:

1. An intern should be capable of establishing linkages with other agencies as water supply, food distribution and other environmental/social agencies.
2. An intern should acquire managerial skills including delegation of duties to and monitoring the activities of paramedical staff and other health professionals.

II) Taluka Hospital/ First Referral Unit

A. An intern must be able to do without assistance:

1. An intern shall provide health education to an individual/community on:
 - a) tuberculosis,
 - b) small family, spacing, use of appropriate contraceptives,
 - c) applied nutrition and care of mothers and children,
 - d) immunization.

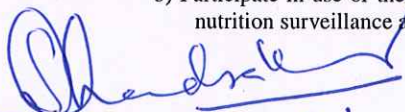
B. An intern must be able to do with supervision:

An intern shall attend at least one school health programme with the medical officer.

III) Primary Health Centre / Urban Health Centre

A. An intern must be able to do without assistance the following:

- a) Participate in family composite health care (birth to death), inventory of events.
- b) Participate in use of the modules on field practice for community health e.g. safe motherhood, nutrition surveillance and rehabilitation, diarrheal disorders etc.



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- c) Participate in and maintain documents related to immunization and cold chain.
- d) Acquire competence in diagnosis and management of common ailments e.g. malaria, tuberculosis, enteric fever, congestive heart failure, hepatitis, meningitis acute renal failure etc.

B. An intern must be able to do under supervision the following:

- a) Acquire proficiency in Family Welfare Programmes (antenatal care, normal delivery, contraception etc.).
- b) Undergo village attachment of at least one week duration to understand issues of community health along with exposure to village health centres, ASHA Sub Centres.
- c) Participate in Infectious Diseases Surveillance and Epidemic Management activities along with the medical officer.

12.6.2 GENERAL MEDICINE

GOAL:

The aim of teaching the undergraduate student in General Medicine is to impart such knowledge and skills that may enable him to diagnose and treat common medical illnesses. He/she shall acquire competence in clinical diagnosis based on history, physical examination and relevant laboratory investigations and institute appropriate line of management; this would include diseases common in tropics (parasitic, bacterial or viral infections, nutritional disorders, including dehydration and electrolyte disturbances) and various system illnesses.

A. An intern must be able to do without assistance and interpret the results of:

- i. the following laboratory investigations:
 - a) Blood: (Routine haematology smear and blood groups),
 - b) Urine: (Routine chemical and microscopic examination),
 - c) Stool: (for ova/cyst and occult blood),
 - d) Sputum and throat swab for gram stain or acid-fast stain, and
 - e) Cerebrospinal Fluid (CSF) for smear,
 - f) Electrocardiogram (ECG),
 - g) Glucometer recording of blood sugar,
 - h) routine radiographs of chest, abdomen, skull etc.
- ii. Perform independently the following:
 - a) diagnostic procedures
 - Proctoscopy,
 - Ophthalmoscopy/Otoscopy,
 - Indirect laryngoscopy.
 - b) Therapeutic procedures;
 - Urethral catheterization,
 - Insertion of Ryle's Tube,
 - Pleural, Ascitic fluid aspiration,
 - Cerebrospinal Fluid (CSF) aspiration,
 - Air way tube installation,
 - Oxygen administration etc.

B. An intern must have observed or preferably assisted at the following operations/ procedures:

- a) **Biopsy Procedures:** Liver, Kidney, Skin, Nerve, Lymph node, and muscle biopsy, Bone marrow aspiration, Biopsy of Malignant lesions on surface, nasal/nerve/skin smear for leprosy under supervision.


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C. Skills that an intern should be able to perform under supervision:

- a) An intern should be familiar with lifesaving procedures, including use of aspirator, respirator and defibrillator, cardiac monitor, blood gas analyser.
- b) An intern should be able to advise about management and prognosis of acute & chronic illnesses like viral fever, gastroenteritis, hepatitis, pneumonias, myocardial infarction and angina, TIA and stroke, seizures, diabetes mellitus, hypertension renal and hepatic failure, thyroid disorders and hematological disorders. He should participate in counseling sessions for patients with non-communicable diseases and tuberculosis, HIV patients etc.
- c) Intern should be able to confirm death and demonstrate understanding of World Health Organisation cause of death reporting and data quality requirements.
- d) Intern should be able to demonstrate understanding of the coordination with local and national epidemic management plans.
- e) Intern shall be able to demonstrate prescribing skills and demonstrate awareness of pharmacovigilance, antibiotics policy, prescription audit and concept of essential medicines list.

12.6.3: PEDIATRICS:**GOAL:**

The aim of teaching the undergraduate student in Pediatrics is to impart such knowledge and skills that may enable him to diagnose and treat common childhood illnesses including neonatal disorders. He/she shall acquire competence for clinical diagnosis based on history, physical examination and relevant laboratory investigations and institute appropriate line of management; this would include diseases common in tropics (parasitic, bacterial or viral infections, nutritional disorders, including dehydration and electrolyte disturbances) and various system illnesses.

A. An intern must be able to do without assistance:

An intern shall be able to diagnose and manage common childhood disorders including neonatal disorders and acute emergencies, examining sick child making a record of information.

An intern shall perform:

- a) **diagnostic techniques:** blood collection (including from femoral vein and umbilical cord), drainage of abscess, collection of cerebrospinal, pleural and peritoneal fluids, suprapubic aspiration of urine.
- b) **techniques related to patient care:** immunization, perfusion techniques, nasogastric tube insertion, feeding procedures, tuberculin testing & breast-feeding counseling.
- c) **use of equipments:** vital monitoring, temperature monitoring, resuscitation at birth and care of children receiving intensive care.
- d) institute early management of common childhood disorders with special reference to pediatric dosage and oral rehydration therapy.

B. An intern must have observed or preferably assisted at the following operations/ procedures:


- a) screening of newborn babies and those with risk factors for any anomalies and steps for prevention in future; detect congenital abnormalities;
- b) recognise growth abnormalities; recognise anomalies of psychomotor development;
- c) assess nutritional and dietary status of infants and children and organize prevention, detection and follow up of deficiency disorders both at individual and community levels, such as:

- protein-energy malnutrition
- deficiencies of vitamins especially A, B, C and D;
- Iron deficiency

C. Skills that an intern should be able to perform under supervision:

- a) An intern should be familiar with life-saving procedures, including use of aspirator, respirator, cardiac monitor, blood gas analyser.
- b) An intern should be able to advise about management and prognosis of acute & chronic illnesses like viral fever, gastroenteritis, hepatitis, pneumonias, congenital heart diseases, seizures, renal and hepatic diseases, thyroid disorders and hematological disorders. She/he should participate in counseling sessions with parents including HIV counseling.


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12.6.4: GENERAL SURGERY**GOAL:**

The aim of teaching the undergraduate student in General Surgery is to impart such knowledge and skills that may enable him to diagnose and treat common surgical ailments. He/she shall have ability to diagnose and suspect with reasonable accuracy all acute and chronic surgical illnesses.

(A) THERAPEUTIC- An intern must perform or assist in:

- a) venesection or venous access
- b) tracheostomy and endotracheal intubation
- c) catheterization of patients with acute retention or trocar cystostomy
- d) drainage of superficial abscesses
- e) basic suturing of wound and wound management (including bandaging)
- f) biopsy of surface tumours
- g) perform vasectomy

(B) Skill that an intern should be able to perform under supervision:

- a) Advise about prognosis of acute & chronic surgical illnesses, head injury, trauma, burns and cancer. Counsel patients regarding the same.
- b) Advise about rehabilitation of patients after surgery and assist them for early recovery.
- c) Intern should be able to demonstrate understanding of World Health Organisation cause of death reporting and data quality requirements.
- d) Intern should be able to demonstrate understanding of the use of national and sub-national cause of death statistics.

(C) An intern must have observed or preferably assisted at the following operations/procedures:

- a) Resuscitation of critical patients
- b) Basic surgical procedures for major and minor surgical illnesses
- c) Wound dressings and application of splints
- d) Laparoscopic/ Minimally Invasive surgery
- e) Lymph node biopsy

12.6.5: CASUALTY:**GOAL:**

The aim of teaching the undergraduate student in casualty is to impart such knowledge and skills that may enable him/her to diagnose and treat common acute surgical /medical ailments. He/she shall have ability to diagnose and suspect, with reasonable accuracy, acute surgical illnesses including emergencies, resuscitate critically injured patient and a severely burned patient, control surface bleeding and manage open wounds and monitor and institute first-line management of patients of head, spine, chest, abdominal and pelvic injury as well as acute abdomen.

(A) THERAPEUTIC- An intern must perform or assist in:

- a) Identification of acute emergencies in various disciplines of medical practice,
- b) Management of acute anaphylactic shock,
- c) Management of peripheral-vascular failure and shock,
- d) Management of acute pulmonary edema and Left Ventricular Failure (LVF),
- e) Emergency management of drowning, poisoning and seizure,
- f) Emergency management of bronchial asthma and status asthmaticus,
- g) Emergency management of hyperpyrexia,


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- h) Emergency management of comatose patients regarding airways, positioning, prevention of aspiration and injuries,
- i) Assessment and administering emergency management of burns,
- j) Assessing and implementing emergency management of various trauma victims,
- k) Identification of medico-legal cases and learn filling up of forms as well as complete other medico-legal formalities in cases of injury, poisoning, sexual offenses, intoxication and other unnatural conditions.

(B) Skill that an intern should be able to perform under supervision:

- a) Advise about prognosis of acute surgical illnesses, head injury, trauma and burns. Counsel patients regarding the same.

(C) An intern must have observed or preferably assisted at the following operations/ procedures:

- a) Resuscitation of critical patients
- b) documentation medico legal cases
- c) management of bleeding and application of splints;

12.6.6: OBSTETRICS AND GYNAECOLOGY

GOAL:

The aim of teaching the undergraduate student in Obstetrics & Gynaecology is to impart such knowledge and skills that may enable him to diagnose and manage antenatal and post natal follow up; manage labor and detect intrapartum emergencies; diagnose and treat common gynaecologic ailments.


(A) THERAPEUTIC- An intern must perform or assist in:

- a) Diagnosis of early pregnancy and provision of ante-natal care; antenatal pelvic assessment and detection of cephalopelvic disproportion,
- b) Diagnosis of pathology of pregnancy related to:
 - abortion
 - ectopic pregnancy
 - tumours complicating pregnancy
 - acute abdomen in early pregnancy
 - hyperemesis gravidarum,
- c) Detection of high risk pregnancy cases and give suitable advice e.g. PIH, hydramanios, antepartum haemorrhage, multiple pregnancies, abnormal presentations and intra-uterine growth retardation,
- d) Induction of labor and amniotomy under supervision,
- e) Induction of labor and amniotomy under supervision,
- f) Management of normal labor, detection of abnormalities, post-partum hemorrhage and repair of perennial tears,
- g) Assist in forceps delivery,
- h) Detection and management of abnormalities of lactation,
- i) Evaluation and prescription oral contraceptives with counseling,
- j) Per speculum, per vaginum and per rectal examination for detection of common congenital, inflammatory, neoplastic and traumatic conditions of vulva, vagina, uterus and ovaries,
- k) Medico-legal examination in Gynecology and Obstetrics.

(B) Skills that an intern should be able to perform under supervision:

- a) Dilatation and curettage and fractional curettage,
- b) Endometrial biopsy,
- c) Endometrial aspiration,
- d) Pap smear collection,
- e) Intra Uterine Contraceptive Device (IUCD) insertion,
- f) Minilap ligation,
- g) Urethral catheterization,


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- h) Suture removal in postoperative cases,
- i) Cervical punch biopsy.

(C) An intern must have observed or preferably assisted at the following operations/ procedures:

- a) Major abdominal and vaginal surgery cases,
- b) Second trimester Medical Termination of Pregnancy (MTP) procedures
e.g. Emcredyl Prostaglandin instillations, Caesarean section.

12.6.7 OTORHINOLARYNGOLOGY (ENT)

GOAL:

The aim of teaching the undergraduate student in ophthalmology is to impart such knowledge and skills that may enable him to diagnose and treat common otorhinolaryngological conditions such as ear pain, foreign bodies and acquire ability for a comprehensive diagnosis of common Ear, Nose and Throat (ENT) diseases including emergencies and malignant neoplasms of the head and neck.

(A) THERAPEUTIC- An intern must perform or assist in:

- a) Ear syringing, antrum puncture and packing of the nose for epistaxis,
- b) Nasal douching and packing of the external canal,
- c) Removing foreign bodies from nose and ear,
- d) Observing or assisting in various endoscopic procedures and tracheostomy.

(B) Skill that an intern should be able to perform under supervision:

- a) Intern shall have participated as a team member in the diagnosis of various ENT- related diseases and be aware of National programme on prevention of deafness,
- b) Intern shall acquire knowledge of various ENT related rehabilitative programmes.

(C) An intern must have observed or preferably assisted at the following operations/ procedures:

- a) Intern shall acquire skills in the use of head mirror, otoscope and indirect laryngoscopy and first line of management of common Ear Nose and Throat (ENT) problems.

12.6.8 OPHTHALMOLOGY

GOAL:

The aim of teaching the undergraduate student in ophthalmology is to impart such knowledge and skills that may enable him to diagnose and treat common ophthalmological conditions such as Trauma, Acute conjunctivitis, allergic conjunctivitis, xerosis, entropion, corneal ulcer, iridocyclitis, myopia, hypermetropia, cataract, glaucoma, ocular injury and sudden loss of vision.

(A) THERAPEUTIC- An intern must perform or assist in:

- a) Subconjunctival injection
- b) Ocular bandaging
- c) Removal of concretions
- d) Epilation and electrolysis
- e) Corneal foreign body removal
- f) Cauterization of corneal ulcers
- g) Chalazion removal
- h) Entropion correction
- i) Suturing conjunctival tears
- j) Lids repair
- k) Glaucoma surgery (assisted)
- l) Enucleation of eye in cadaver.



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(B) Skill that an intern should be able to perform under supervision:

- (a) Advise regarding methods for rehabilitation of the blind.

(C) An intern must have observed or preferably assisted at the following operations/ procedures:

- a) Assessment of refractive errors and advise its correction,
 b) Diagnose ocular changes in common systemic disorders,
 c) Perform investigative procedures such as tonometry, syringing, direct ophthalmoscopy, subjective refraction and fluorescein staining of cornea.

12.6.9 ORTHOPAEDICS**GOAL:**

The aim of teaching the undergraduate student in Orthopaedics and Physical Medicine and Rehabilitation is to impart such knowledge and skills that may enable him to diagnose and treat common ailments. He/she shall have ability to diagnose and suspect presence of fracture, dislocation, actual osteomyelitis, acute poliomyelitis and common congenital deformities such as congenital talipesquinovarus (CTEV) and dislocation of hip (CDH).

(A) THERAPEUTIC- An intern must assist in:

- a) Splinting (plaster slab) for the purpose of emergency splintage, definitive splintage and post-operative splintage and application of Thomas splint,
 b) Manual reduction of common fractures – phalangeal, metacarpal, metatarsal and Colles' fracture,
 c) Manual reduction of common dislocations – interphalangeal, metacarpophalangeal, elbow and shoulder dislocations,
 d) Plaster cast application for undisplaced fractures of arm, fore arm, leg and ankle,
 e) Emergency care of a multiple injury patient,
 f) Transport and bed care of spinal cord injury patients.

(B) Skill that an intern should be able to perform under supervision:

- a) Advise about prognosis of poliomyelitis, cerebral palsy, CTEV and CDH,
 b) Advise about rehabilitation of amputees and mutilating traumatic and leprosy deformities of hand.

(C) An intern must have observed or preferably assisted at the following operations:

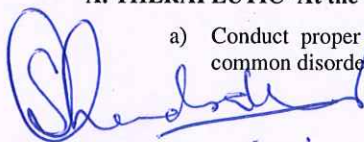
- a) Drainage for acute osteomyelitis,
 b) Sequestrectomy in chronic osteomyelitis,
 c) Application of external fixation,
 d) Internal fixation of fractures of long bones.

12.6.10 DERMATOLOGY VENEREOLOGY & LEPROSY**GOAL:**

The aim of teaching the undergraduate student in Dermatology Venereology & Leprosy is to impart such knowledge and skills that may enable him to diagnose and treat common dermatological infections and leprosy. He/she shall acquire competence for clinical diagnosis based on history, physical examination and relevant laboratory investigations and institute appropriate line of management; this would include diseases common in tropics (parasitic, bacterial or viral infections, and cutaneous manifestations of systemic illnesses).

A. THERAPEUTIC- At the end of internship an intern must be able to:

- a) Conduct proper clinical examination; elicit and interpret physical findings, and diagnose common disorders and emergencies,



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- b) Perform simple, routine investigative procedures for making bedside diagnosis, specially the examination of scraping for fungus, preparation of slit smears and staining for AFB for leprosy patient and for STD cases,
- c) Manage common diseases recognizing the need for referral for specialized care in case of inappropriateness of therapeutic response.

B. An intern must have observed or preferably assisted at the following operations/ procedures:

- a) Skin biopsy for diagnostic purpose

12.6.11 PSYCHIATRY

GOAL:

The aim of teaching the undergraduate student in Psychiatry is to impart such knowledge and skills that may enable him to diagnose and treat common psychiatric illnesses. He/she shall acquire competence for clinical diagnosis based on history, physical examination and relevant laboratory investigations and institute appropriate line of management. He/she should also be able to recognize the behavioural manifestations of systemic illnesses.

A. THERAPEUTIC- An intern must perform or assist in:

- a) Diagnose and manage common psychiatric disorders,
- b) Identify and manage psychological reactions,
- c) Diagnose and manage behavioural disorders in medical and surgical patients.

B. An intern must have observed or preferably assisted at the following operations/ procedures:

- a) ECT administration,
- b) Therapeutic counseling and follow-up.

12.6.12 RESPIRATORY MEDICINE

GOAL:

The aim of teaching the undergraduate student in Respiratory Medicine is to impart such knowledge and skills that may enable him to diagnose and treat common respiratory illnesses. He/she shall acquire competence for clinical diagnosis based on history, physical examination and relevant laboratory investigations and institute appropriate line of management.

A. THERAPEUTIC - An intern must perform or assist in:

- a) diagnosing and managing common respiratory disorders and emergencies,
- b) simple, routine investigative procedures required for making bed side diagnosis, especially sputum collection, examination for etiological organism like AFB, interpretation of chest X-rays and respiratory function tests,
- c) interpreting and managing various blood gases and pH abnormalities in various illnesses.

B. An intern must have observed or preferably assisted at the following operations/ procedures:

- a) Laryngoscopy,
- b) Pleural aspiration, respiratory physiotherapy, laryngeal intubation and pneumo-thoracic drainage aspiration,
- c) Therapeutic counseling and follow up.

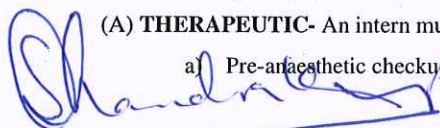
12.6.13 ANAESTHESIOLOGY

GOAL:

The aim of teaching the undergraduate student in anaesthesia is to impart such knowledge and skills that may enable him to understand principles of anaesthesia and recognize risk and complications of anaesthesia. At the end of internship, graduate should be able to perform cardio-pulmonary resuscitation correctly, including recognition of cardiac arrest.

(A) THERAPEUTIC- An intern must perform or assist in:

- a) Pre-anaesthetic checkup and prescribe pre-anaesthetic medications,



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- b) Venepuncture and set up intravenous drip,
- c) Laryngoscopy and endotracheal intubation,
- d) Lumbar puncture, spinal anaesthesia and simple nerve blocks,
- e) Simple general anaesthetic procedures under supervision,
- f) Monitor patients during anaesthesia and in the post-operative period,
- g) Maintain anaesthetic records,
- h) Perform cardio-pulmonary resuscitation correctly, including recognition of cardiac arrest.

(B) Skill that an intern should be able to perform under supervision:

- a) Counseling and advise regarding various methods of anaesthesia,
- b) Recognise and manage problems associated with emergency anaesthesia,
- c) Recognise and treat complications in the post-operative period.

(C) An intern must have observed or preferably assisted at the following operations/ procedures:

- a) Anaesthesia for major and minor surgical and other procedures;

12.6.14 RADIODIAGNOSIS

GOAL:

The aim of teaching the undergraduate student in radiodiagnosis is to impart such knowledge and skills that may enable him to understand principles of imageology and recognize risk and complications of radiologic procedures and the need for protective techniques. At the end of internship, graduate should be able to counsel and prepare patients for various radiologic procedures.

An intern must acquire competency in:

- a) Identifying and diagnosing acute abdominal conditions clinically and choose appropriate imaging modality for diagnosis,
- b) Identifying and diagnosing acute traumatic conditions in bones and skull using X rays / CT Scans with emphasis on fractures and head injuries,
- c) Recognising basic hazards and precautions in radio-diagnostic practices specially related to pregnancy,
- d) Demonstrating awareness of the various laws like PC PNDT Act.

12.6.15 PHYSICAL MEDICINE AND REHABILITATION

GOAL:

The aim of teaching the undergraduate student in Physical Medicine & Rehabilitation is to impart such knowledge and skills that may enable him to diagnose and treat common rheumatologic, orthopedic and neurologic illnesses requiring physical treatment. He/she shall acquire competence for clinical diagnosis based on history, physical examination and relevant laboratory investigations and institute appropriate line of management.

A. THERAPEUTIC- An intern must perform or assist in:

- a) Diagnosing and managing with competence clinical diagnosis and management based on detailed history and assessment of common disabling conditions like poliomyelitis, cerebral palsy, hemiplegia, paraplegia, amputations etc.
- b) Participation as a team member in total rehabilitation including appropriate follow up of common disabling conditions,
- c) Procedures of fabrication and repair of artificial limbs and appliances.

B. An intern must have observed or preferably assisted at the following operations/ procedures:

- a) use of self-help devices and splints and mobility aids
- b) accessibility problems and home making for disabled
- c) simple exercise therapy in common conditions like prevention of deformity in polio, stump exercise in an amputee etc.
- d) Therapeutic counselling and follow up




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12.6.16 FORENSIC MEDICINE AND TOXICOLOGY**GOAL:**

The aim of teaching the undergraduate student in Forensic Medicine is to impart such knowledge and skills that may enable him to manage common medico-legal problems in day to day practice. He/she shall acquire competence for post mortem diagnosis based on history, physical examination and relevant observations during autopsy.

A. An intern must perform or assist in:

- Identifying and documenting medico-legal problems in a hospital and general practice,
- Identifying the medico-legal responsibilities of a medical man in various hospital situations,
- Diagnosing and managing with competence basic poisoning conditions in the community,
- Diagnosing and managing with competence and documentation in cases of sexual assault,
- Preparing medico-legal reports in various medico legal situations.

B. An intern must have observed or preferably assisted at the following operations/ procedures, as given in Table 11:

- Various medico legal / post-mortem procedures and formalities during their performance by police.

Table 11: Certifiable Procedural Skills:


A Comprehensive list of skills recommended as desirable for Bachelor of Medicine and Bachelor of Surgery (MBBS) – Indian Medical Graduate

Specialty	Procedure
General Medicine	<ul style="list-style-type: none"> • Venipuncture (I) • Intramuscular injection(I) • Intradermal injection (D) • Subcutaneous injection(I) • Intra Venous (IV) injection (I) • Setting up IV infusion and calculating drip rate (I) • Blood transfusion (O) • Urinary catheterization (D) • Basic life support (D) • Oxygen therapy (I) • Aerosol therapy / nebulization (I) • Ryle's tube insertion (D) • Lumbar puncture (O) • Pleural and ascitic aspiration (O) • Cardiac resuscitation (D) • Peripheral blood smear interpretation (I) • Bedside urine analysis (D)
General Surgery	<ul style="list-style-type: none"> • Basic suturing (I) • Basic wound care (I)

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	<ul style="list-style-type: none"> • Basic bandaging (I) • Incision and drainage of superficial abscess (I) • Early management of trauma (I) and trauma life support (D)
Orthopedics	<ul style="list-style-type: none"> • Application of basic splints and slings (I) • Basic fracture and dislocation management (O) • Compression bandage (I)
Gynecology	<ul style="list-style-type: none"> • Per Speculum (PS) and Per Vaginal (PV) examination (I) • Visual Inspection of Cervix with Acetic Acid (VIA) (O) • Pap Smear sample collection & interpretation (I) • Intra- Uterine Contraceptive Device (IUCD) insertion & removal (I)
Obstetrics	<ul style="list-style-type: none"> • Obstetric examination (I) • Episiotomy (I) • Normal labor and delivery (including partogram) (I)
Pediatrics	<ul style="list-style-type: none"> • Neonatal resuscitation (D) • Setting up Pediatric IV infusion and calculating drip rate (I) • Setting up Pediatric Intraosseous line (O)
Forensic Medicine	<ul style="list-style-type: none"> • Documentation and certification of trauma (I) • Diagnosis and certification of death (D) • Legal documentation related to emergency cases (D) • Certification of medical-legal cases e.g. Age estimation, sexual assault etc. (D) • Establishing communication in medico-legal cases with police, public health authorities, other concerned departments, etc (D)
Otorhinolaryngology	<ul style="list-style-type: none"> • Anterior nasal packing (D) • Otoscopy (I)
Ophthalmology	<ul style="list-style-type: none"> • Visual acuity testing (I) • Digital tonometry (D) • Indirect ophthalmoscopy (O) • Epilation (O) • Eye irrigation (I) • Instillation of eye medication (I) • Ocular bandaging (I)
Dermatology	<ul style="list-style-type: none"> • Slit skin smear for leprosy (O) • Skin biopsy (O) • Gram's stained smear interpretation (I) • KOH examination of scrapings for fungus (D) • Dark ground illumination (O) • Tissue smear (O) • Cautery - Chemical and electrical (O)


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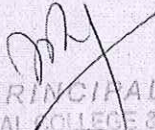
- I- Independently performed on patients,
- O- Observed in patients or on simulations,
- D- Demonstration on patients or simulations and performance under supervision in patients

Certification of Skills: Any faculty member of concerned department can certify skills. For common procedures, the certifying faculty may be decided locally.

[ADVT.-III/4/Exty./277/19]

Dr. R. K. VATS, Secy. General

Foot Note: The Principal Regulations namely, "Graduate Medical Education Regulations, 1997" were published in Part - III, Section (4) of the Gazette of India vide Medical Council of India notification dated 4th March, 1997, and amended vide MCI notifications dated 29/05/1999, 02/07/2002, 30/09/2003, 16/10/2003, 01/03/2004, 20/10/2008, 15/12/2008, 22/12/2008, 25/03/2009, 19/04/2010, 07/10/2010, 21/12/2010, 15/02/2012, 29/12/2015, 05/08/2016, 21/09/2016, 10/03/2017, 04/07/2017, 23/01/2018, 06/02/2018, 21/05/2018, 05/02/2019 & 14/05/2019.


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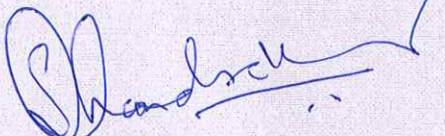

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ALOK KUMAR

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Date: 2019.11.11 16:15:10 +0530


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2.6.1



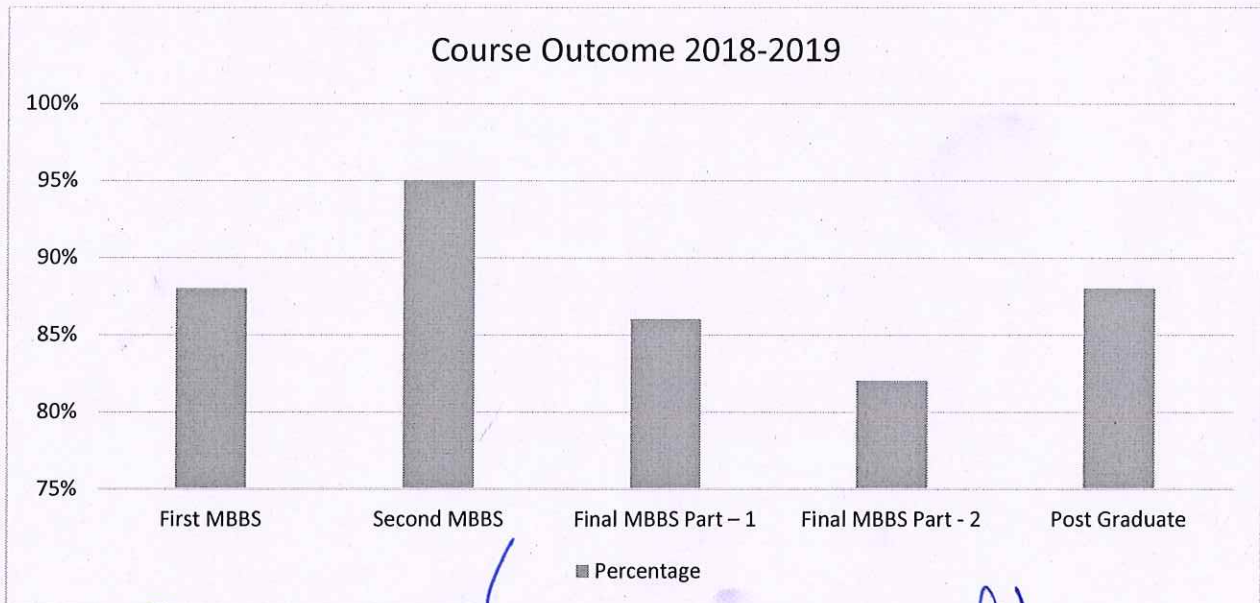
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MNR Nagar, Fasalwadi, Sangareddy - 502 294, Sangareddy Dist. Telangana. India

Ph: + 85000 56667, (08455) 230523, 230527, 230524 Fax No. (08455) - 230555, 230533

COURSE OUTCOME FOR 2018-19

<u>Year</u>	<u>Percentage</u>
First MBBS	88%
Second MBBS	95%
Final MBBS Part - 1	86%
Final MBBS Part - 2	82%
Post Graduate	88%

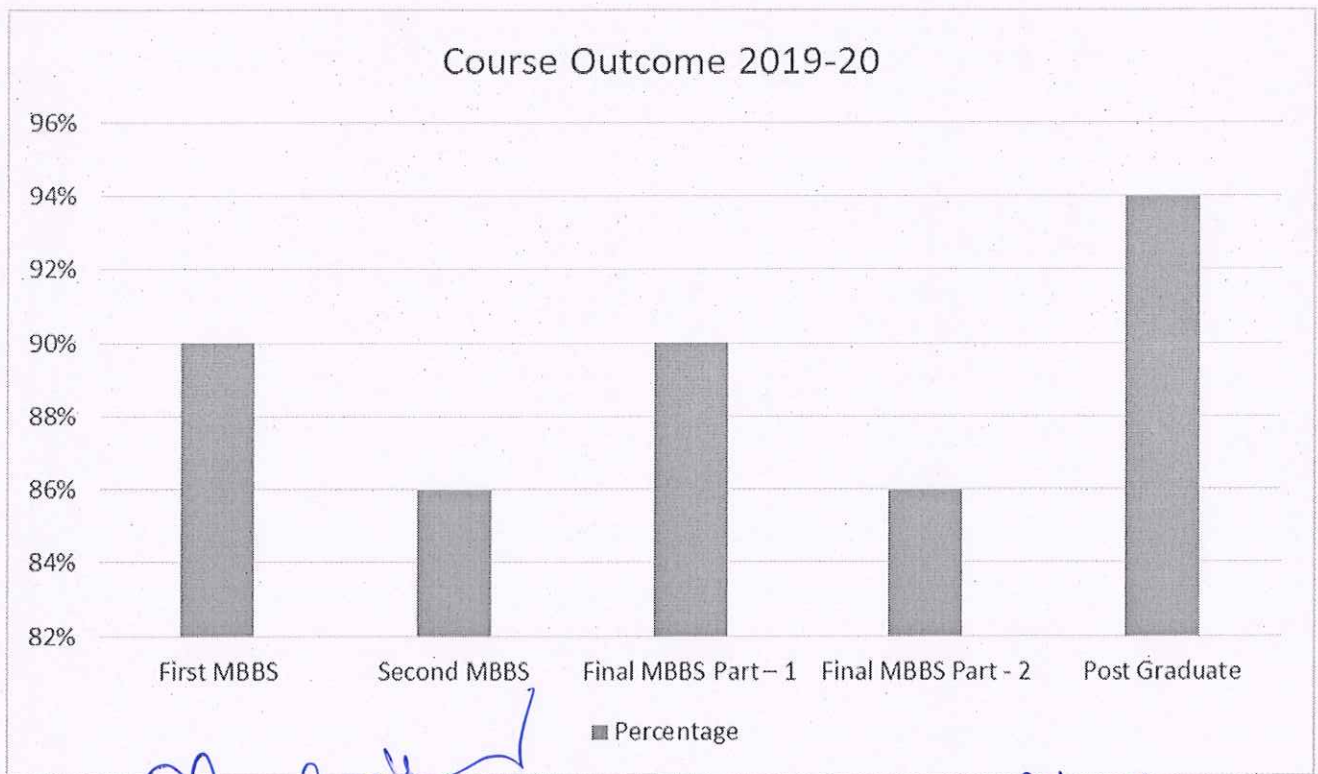



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COURSE OUTCOME FOR 2019-20

<u>Year</u>	<u>Percentage</u>
First MBBS	90%
Second MBBS	86%
Final MBBS Part – 1	90%
Final MBBS Part - 2	86%
Post Graduate	94%

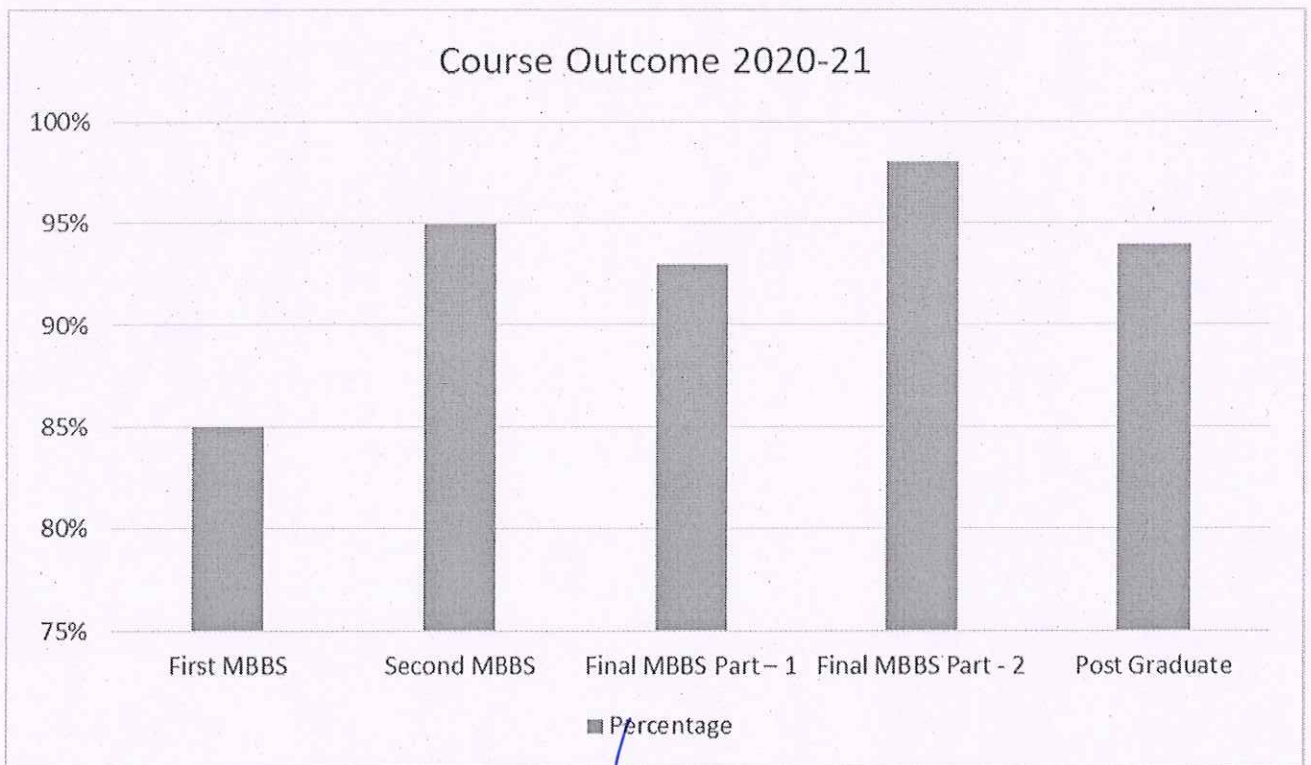




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COURSE OUTCOME FOR 2020-21

<u>Year</u>	<u>Percentage</u>
First MBBS	85%
Second MBBS	95%
Final MBBS Part – 1	93%
Final MBBS Part - 2	98%
Post Graduate	94%

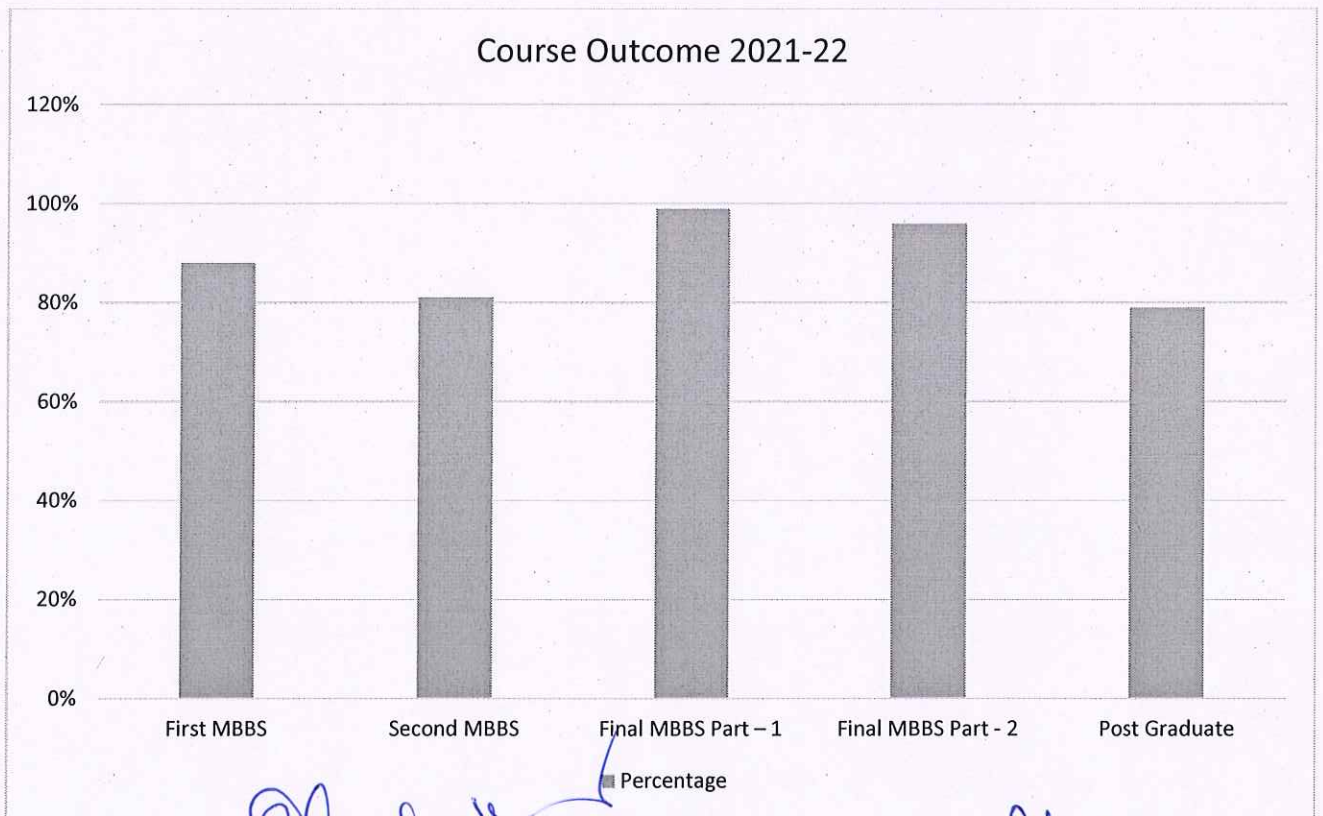



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COURSE OUTCOME FOR 2021-22

<u>Year</u>	<u>Percentage</u>
First MBBS	88%
Second MBBS	81%
Final MBBS Part – 1	99%
Final MBBS Part - 2	96%
Post Graduate	79%

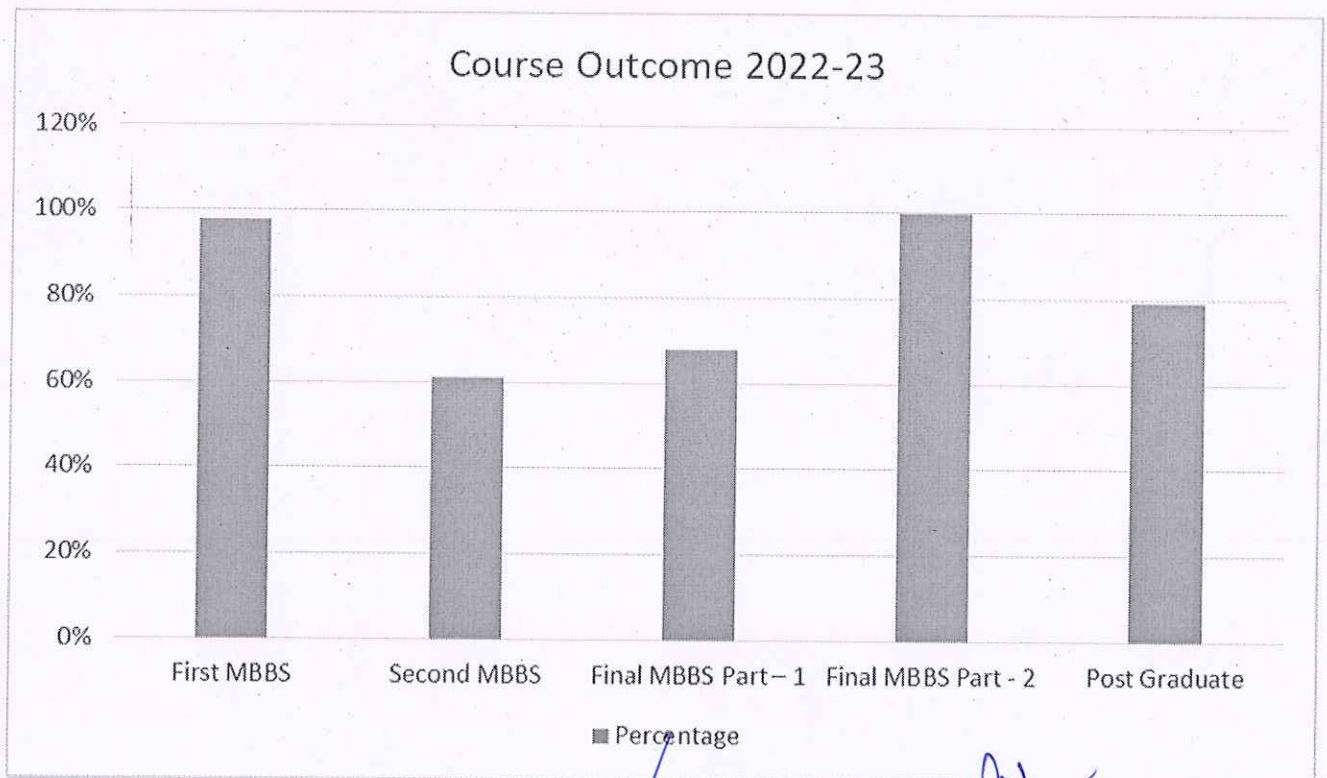



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COURSE OUTCOME FOR 2022-23

<u>Year</u>	<u>Percentage</u>
First MBBS	98%
Second MBBS	61%
Final MBBS Part – 1	68%
Final MBBS Part - 2	100%
Post Graduate	79.2%




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COURSE OUTCOMES - A.Y : 2022-23 (2018 BATCH)

<u>Name of the student</u>	<u>General Medicine</u>	<u>Percentage</u>	<u>LEVEL</u>
GODAS RAJESH	165	55.00	1
CHINTA CHANDRA SEKHAR REDDY	165	55.00	1
AASHRITHA VANGARI	166	55.33	1
BANDARU LALASA SWETHA	170	56.67	1
D. JAHNAVI	174	58.00	1
JAY KISHAN BHATI	174	58.00	1
SRIRAM K CHAKRAVARTHY	174	58.00	1
MOGURAM VAMSHI	175	58.33	1
BHARGAVA REDDY PALLAKI	175	58.33	1
EDALA NIKESH KUMAR	175	58.33	1
SEELAM SUYUKTHA	176	58.67	1
SIRUPA LAHARI	176	58.67	1
ANGIREKULA SREEJA	176	58.67	1
K. SHARATH KUMAR	177	59.00	1
BHARATH CHANDRA KONDRU	178	59.33	1
DASARI RITHIKA REDDY	178	59.33	1
AYYAGARI SINDHU	178	59.33	1
RATHLA PARLAL	179	59.67	1
KATAKAM PRIYESH REDDY	179	59.67	1
AODARI AKSHITH	180	60.00	1
VELAGAPUDI SAI KISHAN	181	60.33	1
VALLOORI SRUSTI GRISELDA	182	60.67	1
HIMA M	182	60.67	1
G LAXMI SHIVANI	182	60.67	1
H PRITHVI	183	61.00	2
LAVUDI SANDHYA	183	61.00	2
YERVA MYTHILI	183	61.00	2
DORNALA SAI TEJA	184	61.33	2
SIRIPURAPU CHANDRAHAAS	185	61.67	2
G.SPANDANA	186	62.00	2
CHELLOJU MAHESH	186	62.00	2
SOMASANI VISHAL	188	62.67	2
DOOSA KEERTHANA	188	62.67	2
BERI RITHVIKA	188	62.67	2
GUTTEDAR MEGHA VERONICA	188	62.67	2
GOLLA MANASA	188	62.67	2
SAMMETA SRAVANI	189	63.00	2
NADIMPALLY HARSHITH REDDY	189	63.00	2
A. HARI PRIYA	190	63.33	2
AMTUL BASEER WAHEED	190	63.33	2
INTI MOUNIKA	190	63.33	2
KANCHARLA SAMVEDA	190	63.33	2
AKSHAY KULKARNI	190	63.33	2
NIMMAKURI SOWMYASRI	190	63.33	2

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JINCY MOHAN M.G.	191	63.67	2
BHANDAR DIVYA	191	63.67	2
NANDANI NANDAN	191	63.67	2
D R NIHARIKA	192	64.00	2
PAGIDI VANI	192	64.00	2
JAHNAVI PAKALAPATI	192	64.00	2
KORIVI AKSHARA PREETHI	192	64.00	2
NAGAMALLA MANISHA	192	64.00	2
BONAGIRI SINDHU	193	64.33	2
KOLAGATLA BHAGYASRI	194	64.67	2
BOMMANAPALLY INDIRA PRIYA DARSHINI	194	64.67	2
TALAKAYALA AISHWARYA	194	64.67	2
MALLEKHEDI BHAVANA SRAVANTHI	194	64.67	2
CHANTI TEJA	195	65.00	2
MOHD MOHSIN	195	65.00	2
LEBAKA VYSHNAVI	195	65.00	2
DEEKSHITHA OBIREDDY	195	65.00	2
KOLACHALA KAMESWARI SAI CHETALI	195	65.00	2
TATIKONDA MEGHANA MANI CHANDANA	196	65.33	2
KATARI ASHRITH	196	65.33	2
ESHICA DEVINENI	197	65.67	2
PADMAJA SAI GATIGANTI	197	65.67	2
BHEEMAVARAPU SAI SIVANI REDDY	198	66.00	2
VANKAMAMIDI BALA KEERTHANA	198	66.00	2
VEMURI MOHANCHANDRA BALAJI	199	66.33	2
KASULA LIKHITHA	199	66.33	2
G MEDHA	199	66.33	2
GUGULOTH NEETU CHARAN	199	66.33	2
M VIGNESWARI	200	66.67	2
MUDUTHANAPALLI NAGA PRIYA	200	66.67	2
KATUKURI AKHIL REDDY	201	67.00	2
MEDASANI CHINMAI	202	67.33	2
JARUPULA GREESHMA	202	67.33	2
JANGITI SHIVANI	205	68.33	2
SANKET RAJENDRA BHISE	205	68.33	2
PUPPALA HARSHINI	205	68.33	2
SHAIK MD FAYAZ SHAHRUKH	205	68.33	2
K NANDIKA	208	69.33	2
ILLENDULA NAGALALITYA	209	69.67	2
SAJJANAPU AISHWARYA	209	69.67	2
THOTA SUHARSHITHA	211	70.33	2
P.ALEKYA CHOUDARY	211	70.33	2
P.PRAVALIKA	215	71.67	2
KONDRAJU JAYASRI MAHESHWARI	217	72.33	2
KIRTY BATTULA	218	72.67	2
KONDA KEERTHANA	219	73.00	2
KATHERVATH TARUN	221	73.67	2


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COURSE OUTCOMES - A.Y : 2022-23 (2018 BATCH)

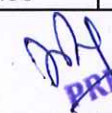
<u>Name of the student</u>	<u>General Surgery</u>	<u>Percentage</u>	<u>LEVEL</u>
SRIRAM K CHAKRAVARTHY	164	54.67	1
SEELAM SUYUKTHA	165	55.00	1
SHAIK MD FAYAZ SHAHRUKH	168	56.00	1
TATIKONDA MEGHANA MANI CHANDANA	174	58.00	1
RATHLA PARLAL	174	58.00	1
G LAXMI SHIVANI	175	58.33	1
SIRUPA LAHARI	176	58.67	1
EDALA NIKESH KUMAR	180	60.00	1
SIRIPURAPU CHANDRAHAAS	181	60.33	1
KATARI ASHRITH	182	60.67	1
K. SHARATH KUMAR	183	61.00	2
SAMMETA SRAVANI	184	61.33	2
BHARATH CHANDRA KONDRU	185	61.67	2
MOGURAM VAMSHI	187	62.33	2
BERI RITHVIKA	187	62.33	2
BHARGAVA REDDY PALLAKI	187	62.33	2
KOLACHALA KAMESWARI SAI CHETALI	187	62.33	2
SOMASANI VISHAL	188	62.67	2
MALLEKHEDI BHAVANA SRAVANTHI	188	62.67	2
JAY KISHAN BHATI	188	62.67	2
ANGIREKULA SREEJA	188	62.67	2
KATAKAM PRIYESH REDDY	188	62.67	2
GODAS RAJESH	189	63.00	2
SAJJANAPU AISHWARYA	189	63.00	2
NAGAMALLA MANISHA	189	63.00	2
G.SPANDANA	190	63.33	2
NIMMAKURI SOWMYASRI	190	63.33	2
HIMA M	190	63.33	2
JINCY MOHAN M.G.	190	63.33	2
BANDARU LALASA SWETHA	190	63.33	2
DASARI RITHIKA REDDY	191	63.67	2
M VIGNESWARI	192	64.00	2
H PRITHVI	192	64.00	2
JAHNAVI PAKALAPATI	193	64.33	2
YERVA MYTHILI	193	64.33	2
MEDASANI CHINMAI	194	64.67	2
CHELLOJU MAHESH	194	64.67	2
KASULA LIKHITHA	194	64.67	2
KANCHARLA SAMVEDA	194	64.67	2
AKSHAY KULKARNI	194	64.67	2
BHANDAR DIVYA	194	64.67	2
JARUPULA GREESHMA	195	65.00	2
BONAGIRI SINDHU	195	65.00	2
VALLOORI SRUSTI GRISELDA	196	65.33	2


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AMTUL BASEER WAHEED	196	65.33	2
KATUKURI AKHIL REDDY	196	65.33	2
LAVUDI SANDHYA	196	65.33	2
CHINTA CHANDRA SEKHAR REDDY	196	65.33	2
VELAGAPUDI SAI KISHAN	196	65.33	2
GUTTEDAR MEGHA VERONICA	196	65.33	2
CHANTI TEJA	197	65.67	2
AODARI AKSHITH	197	65.67	2
KATHERVATH TARUN	197	65.67	2
TALAKAYALA AISHWARYA	197	65.67	2
NANDANI NANDAN	197	65.67	2
KUKKUNOORI DHARANI	197	65.67	2
INTI MOUNIKA	198	66.00	2
G MEDHA	199	66.33	2
NADIMPALLY HARSHITH REDDY	199	66.33	2
PAGIDI VANI	200	66.67	2
ESHIKA DEVINENI	200	66.67	2
LEBAKA VYSHNAVI	200	66.67	2
DEEKSHITHA OBIREDDY	200	66.67	2
KOLAGATLA BHAGYASRI	202	67.33	2
GOLLA MANASA	202	67.33	2
AYYAGARI SINDHU	202	67.33	2
SANKET RAJENDRA BHISE	203	67.67	2
D R NIHARIKA	204	68.00	2
THOTA SUHARSHITHA	204	68.00	2
D. JAHNAVI	204	68.00	2
MUDUTHANAPALLI NAGA PRIYA	204	68.00	2
BHEEMAVARAPU SAI SIVANI REDDY	206	68.67	2
MOHD MOHSIN	206	68.67	2
AASHRITHA VANGARI	206	68.67	2
DORNALA SAI TEJA	207	69.00	2
PADMAJA SAI GATIGANTI	207	69.00	2
PUPPALA HARSHINI	208	69.33	2
VEMURI MOHANCHANDRA BALAJI	210	70.00	2
P.PRAVALIKA	210	70.00	2
BOMMANAPALLY INDIRA PRIYA DARSHINI	210	70.00	2
A. HARI PRIYA	211	70.33	2
VANKAMAMIDI BALA KEERTHANA	211	70.33	2
KORIVI AKSHARA PREETHI	212	70.67	2
KONDRAJU JAYASRI MAHESHWARI	213	71.00	2
KIRTY BATTULA	215	71.67	2
JANGITI SHIVANI	215	71.67	2
ILLENDULA NAGALALITYA	216	72.00	2
TIPPARAJU NITHINSREE	217	72.33	2
DOOSA KEERTHANA	218	72.67	2
GUGULOTH NEETU CHARAN	219	73.00	2
KONDA KEERTHANA	220	73.33	2


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COURSE OUTCOMES - A.Y : 2022-23 (2018 BATCH)


<u>Name of the student</u>	<u>OBG</u>	<u>Percentage</u>	<u>LEVEL</u>
KATAKAM PRIYESH REDDY	116	58	1
MOGURAM VAMSHI	121	60.5	1
BHARGAVA REDDY PALLAKI	121	60.5	1
JAHNAVI PAKALAPATI	124	62	2
NAGAMALLA MANISHA	125	62.5	2
SOMASANI VISHAL	127	63.5	2
G MEDHA	127	63.5	2
KORIVI AKSHARA PREETHI	127	63.5	2
JARUPULA GREESHMA	127	63.5	2
EDALA NIKESH KUMAR	127	63.5	2
SRIRAM K CHAKRAVARTHY	127	63.5	2
G LAXMI SHIVANI	127	63.5	2
CHINTA CHANDRA SEKHAR REDDY	128	64	2
SIRUPA LAHARI	128	64	2
ANGIREKULA SREEJA	128	64	2
KATARI ASHRITH	128	64	2
VEMURI MOHANCHANDRA BALAJI	129	64.5	2
BHARATH CHANDRA KONDRU	129	64.5	2
RATHLA PARLAL	129	64.5	2
SEELAM SUYUKTHA	129	64.5	2
GODAS RAJESH	129	64.5	2
PUPPALA HARSHINI	129	64.5	2
SHAIK MD FAYAZ SHAHRUKH	129	64.5	2
INTI MOUNIKA	130	65	2
NIMMAKURI SOWMYASRI	130	65	2
SAMMETA SRAVANI	130	65	2
JAY KISHAN BHATI	130	65	2
NANDANI NANDAN	130	65	2
HIMA M	131	65.5	2
K. SHARATH KUMAR	131	65.5	2
PAGIDI VANI	132	66	2
JINCY MOHAN M.G.	132	66	2
BANDARU LALASA SWETHA	132	66	2
MUDUTHANAPALLI NAGA PRIYA	133	66.5	2
CHELLOJU MAHESH	134	67	2
BHANDAR DIVYA	134	67	2
DASARI RITHIKA REDDY	135	67.5	2
VELAGAPUDI SAI KISHAN	135	67.5	2
BONAGIRI SINDHU	135	67.5	2
A. HARI PRIYA	136	68	2
G.SPANDANA	136	68	2
KATHERVATH TARUN	136	68	2
MALLEKHEDI BHAVANA SRAVANTHI	136	68	2
LEBAKA VYSHNAVI	136	68	2


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YERVA MYTHILI	136	68	2
KOLACHALA KAMESWARI SAI CHETALI	136	68	2
KUKKUNOORI DHARANI	136	68	2
H PRITHVI	137	68.5	2
DORNALA SAI TEJA	137	68.5	2
PADMAJA SAI GATIGANTI	137	68.5	2
AYYAGARI SINDHU	137	68.5	2
TATIKONDA MEGHANA MANI CHANDANA	138	69	2
MOHD MOHSIN	138	69	2
KANCHARLA SAMVEDA	138	69	2
AKSHAY KULKARNI	138	69	2
TALAKAYALA AISHWARYA	138	69	2
CHANTI TEJA	140	70	2
M VIGNESWARI	140	70	2
D. JAHNAVI	140	70	2
SAJJANAPU AISHWARYA	140	70	2
P.PRAVALIKA	141	70.5	2
BOMMANAPALLY INDIRA PRIYA DARSHINI	141	70.5	2
BERI RITHVIKA	141	70.5	2
AMTUL BASEER WAHEED	142	71	2
NADIMPALLY HARSHITH REDDY	142	71	2
THOTA SUHARSHITHA	143	71.5	2
KATUKURI AKHIL REDDY	143	71.5	2
KASULA LIKHITHA	143	71.5	2
KONDA KEERTHANA	143	71.5	2
K NANDIKA	143	71.5	2
MEDASANI CHINMAI	144	72	2
SIRIPURAPU CHANDRAHAAS	144	72	2
VANKAMAMIDI BALA KEERTHANA	145	72.5	2
GUTTEDAR MEGHA VERONICA	145	72.5	2
GOLLA MANASA	145	72.5	2
VALLOORI SRUSTI GRISELDA	146	73	2
KONDRAJU JAYASRI MAHESHWARI	146	73	2
LAVUDI SANDHYA	146	73	2
AOUDARI AKSHITH	147	73.5	2
AASHRITHA VANGARI	147	73.5	2
ESHIKA DEVINENI	147	73.5	2
D R NIHARIKA	148	74	2
KOLAGATLA BHAGYASRI	148	74	2
P.ALEKYA CHOUDARY	150	75	2
SUGOOR VAISHNAVI REDDY	152	76	3
JANGITI SHIVANI	152	76	3
GUGULOTH NEETU CHARAN	152	76	3
ILLENDULA NAGALALITYA	153	76.5	3
KIRTY BATTULA	153	76.5	3
SANKET RAJENDRA BHISE	153	76.5	3
DEEKSHITHA OBIREDDY	153	76.5	3


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COURSE OUTCOMES - A.Y : 2022-23 (2018 BATCH)

Name of the student	Paediatrics	Percentage	LEVEL
RATHLA PARLAL	54	54	1
MOHD MOHSIN	57	57	1
BHARGAVA REDDY PALLAKI	57	57	1
AYYAGARI SINDHU	57	57	1
G LAXMI SHIVANI	57	57	1
BHARATH CHANDRA KONDRU	58	58	1
KORIVI AKSHARA PREETHI	58	58	1
SIRUPA LAHARI	58	58	1
AOUDARI AKSHITH	59	59	1
AASHRITHA VANGARI	59	59	1
SANKET RAJENDRA BHISE	59	59	1
BERI RITHVIKA	59	59	1
GODAS RAJESH	60	60	1
A. HARI PRIYA	61	61	2
SAMMETA SRAVANI	61	61	2
SEELAM SUYUKTHA	61	61	2
VELAGAPUDI SAI KISHAN	61	61	2
EDALA NIKESH KUMAR	61	61	2
KATAKAM PRIYESH REDDY	61	61	2
BHANDAR DIVYA	61	61	2
NAGAMALLA MANISHA	61	61	2
G.SPANDANA	62	62	2
DOOSA KEERTHANA	62	62	2
DORNALA SAI TEJA	62	62	2
NADIMPALLY HARSHITH REDDY	62	62	2
SAJJANAPU AISHWARYA	62	62	2
MUDUTHANAPALLI NAGA PRIYA	62	62	2
SOMASANI VISHAL	63	63	2
KANCHARLA SAMVEDA	63	63	2
AKSHAY KULKARNI	63	63	2
PAGIDI VANI	63	63	2
DASARI RITHIKA REDDY	63	63	2
K. SHARATH KUMAR	63	63	2
PADMAJA SAI GATIGANTI	63	63	2
BANDARU LALASA SWETHA	63	63	2
SHAIK MD FAYAZ SHAHRUKH	63	63	2
P.PRAVALIKA	64	64	2
SIRIPURAPU CHANDRAHAAS	64	64	2
KATHERVATH TARUN	64	64	2
TALAKAYALA AISHWARYA	64	64	2
JAY KISHAN BHATI	64	64	2
ANGIREKULA SREEJA	64	64	2
KUKKUNOORI DHARANI	64	64	2
VALLOORI SRUSTI GRISELDA	65	65	2


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MEDASANI CHINMAI	65	65	2
KASULA LIKHITHA	65	65	2
NIMMAKURI SOWMYASRI	65	65	2
D. JAHNAVI	65	65	2
CHINTA CHANDRA SEK HAR REDDY	65	65	2
NANDANI NANDAN	65	65	2
AMTUL BASEER WAHEED	66	66	2
CHELLOJU MAHESH	66	66	2
INTI MOUNIKA	66	66	2
MALLEKHEDI BHAVANA SRAVANTHI	66	66	2
HIMA M	66	66	2
JINCY MOHAN M.G.	66	66	2
KATARI ASHRITH	66	66	2
KOLACHALA KAMESWARI SAI CHETALI	66	66	2
VEMURI MOHANCHANDRA BALAJI	67	67	2
CHANTI TEJA	67	67	2
H PRITHVI	67	67	2
MOGURAM VAMSHI	67	67	2
JAHNAVI PAKALAPATI	67	67	2
LAVUDI SANDHYA	67	67	2
DEEKSHITHA OBIREDDY	67	67	2
SRIRAM K CHAKRAVARTHY	67	67	2
TATIKONDA MEGHANA MANI CHANDANA	68	68	2
THOTA SUHARSHITHA	68	68	2
P.ALEKYA CHOUDARY	68	68	2
M VIGNESWARI	68	68	2
G MEDHA	68	68	2
KIRTY BATTULA	69	69	2
TIPPARAJU NITHINSREE	69	69	2
YERVA MYTHILI	69	69	2
KATUKURI AKHIL REDDY	70	70	2
KOLAGATLA BHAGYASRI	70	70	2
LEBAKA VYSHNAVI	71	71	2
K NANDIKA	71	71	2
PUPPALA HARSHINI	71	71	2
JARUPULA GREESHMA	71	71	2
GUTTEDAR MEGHA VERONICA	71	71	2
BHEEMAVARAPU SAI SIVANI REDDY	72	72	2
BOMMANAPALLY INDIRA PRIYA DARSHINI	72	72	2
BONAGIRI SINDHU	72	72	2
SUGOOR VAISHNAVI REDDY	73	73	2
KONDA KEERTHANA	73	73	2
VANKAMAMIDI BALA KEERTHANA	73	73	2
GUGULOTH NEETU CHARAN	73	73	2
D R NIHARIKA	74	74	2
ILLENDULA NAGALALITYA	74	74	2
JANGITI SHIVANI	74	74	2


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<u>Name of the student</u>	<u>Ophthalmology</u>	<u>Percentage</u>	<u>LEVEL</u>
Baddam Sucharith Reddy	99	49.5	0
Khedkar Poonam Bhujangrao	100	50	1
Doddavarapu Bhavya	101	50.5	1
Saikam SaKrishna	102	51	1
MD. Faiz Ali	104	52	1
Konda Uday Kumar	106	53	1
Veeravalli Shruthi Daniel	106	53	1
Syed Abdul Haseeb	107	53.5	1
Ihithya Tottempudi	108	54	1
k Ramya	108	54	1
Arihant Biswajit Das	109	54.5	1
Royyala Arunkumar	109	54.5	1
Raavi Guna Sai Ram	110	55	1
Aditi Asthana	111	55.5	1
Godugu Ajay Kumar Yadav	114	57	1
Vuskemalla Abhiram	114	57	1
Alladi R Abhigna	115	57.5	1
Bonagiri Srinija	116	58	1
Ganji Varsha	116	58	1
Kandhukuri Bhumika	116	58	1
Ayyanki Sanjana	117	58.5	1
Vighane Apurvaa Subhash	117	58.5	1
Maguluri Sunidhi	118	59	1
Zerikunthe Shivani Chandrakant	118	59	1
Guttedhar Madhuri	119	59.5	1
Malothu Sandhya	119	59.5	1
Reya Roy	119	59.5	1
Mediwar Shruti Shrikant	120	60	1
Risham Muhammed	120	60	1
Sannidhya Sharma	120	60	1
Mudigonda Shivani	121	60.5	1
Deepika Gollapalli	122	61	2
Konkathi Shruthi	122	61	2
Pamballa Anusha	122	61	2
Banoth Praveen	123	61.5	2
Devansh Parlawar	123	61.5	2
Mekala Sneha Sree	123	61.5	2
Dhawale Aman Suresh	125	62.5	2
Nellutla Milind	126	63	2
Yalamanjula Nikhitha	126	63	2
Dhanchetti Kaveri	127	63.5	2
Majety Devika	127	63.5	2
Nooreen Fatima	127	63.5	2
Chintala Vanaja Rani	128	64	2

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Choutipelly Akhilesh	128	64	2
Gatla Suma	128	64	2
Mavilla Venkata Sai Goud	129	64.5	2
Saladi Sri Rajeswari	129	64.5	2
Setti Sri Prabhas	129	64.5	2
Aitha Srivarsha	130	65	2
Shaik Juveriya Mahi	130	65	2
Uttekar Rushikesh Dipak	130	65	2
Dasari Swathi	133	66.5	2
Kavali Supriya	133	66.5	2
Narra Divyasree	133	66.5	2
Spurthi Choutakuri	133	66.5	2
S.Maavya	134	67	2
Shetty Tribhuvana Sagar	134	67	2
Tanakam Yashwanthi	134	67	2
Boyapally Kiranmai	136	68	2
Boyina Vijay Kumar	136	68	2
Mukul Saner	136	68	2
Dameracherla Sai Harsha	137	68.5	2
Dasari Sudeshna	137	68.5	2
Doppalapudi Niharika	137	68.5	2
M.Priyanka	137	68.5	2
Mengji Nitisha	137	68.5	2
Poppadi Mounica	137	68.5	2
Subham Singh	137	68.5	2
Akula Suraj	138	69	2
M.Soumya Sree	138	69	2
Valeti Harshitha	138	69	2
Akula Akshitha	141	70.5	2
Dhulipala Ridhi	143	71.5	2
Yedlapalley Srivalli	143	71.5	2
Pavithra.M	144	72	2
Palagiri Sai Keerthana Reddy	145	72.5	2
Jaya Sindhuri V	147	73.5	2
Kanukunta Sai Priya	147	73.5	2
Comshwarampet Anjali	149	74.5	2
Satya Abhishek Varma Vegesna	160	80	3
LEVEL OF ATTAINMENT OF COURSE OUTCOME			1.62


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COURSE OUTCOMES - A:Y = 2022-23 (2019 BATCH)

<u>Name of the student</u>	<u>ENT</u>	<u>Percentage</u>	<u>LEVEL</u>
Ihithya Tottempudi	99	49.5	0
Veeravalli Shruthi Daniel	102	51	1
Vighane Apurvaa Subhash	106	53	1
Devansh Parlawar	107	53.5	1
Doddavarapu Bhavya	107	53.5	1
Guttedhar Madhuri	108	54	1
Khedkar Poonam Bhujangrao	108	54	1
Raavi Guna Sai Ram	108	54	1
Saikam SaKrishna	108	54	1
Baddam Sucharith Reddy	110	55	1
MD. Faiz Ali	110	55	1
Ganji Varsha	112	56	1
Alladi R Abhigna	113	56.5	1
Banoth Praveen	113	56.5	1
Aditi Asthana	114	57	1
Deepika Gollapalli	115	57.5	1
Maguluri Sunidhi	116	58	1
Syed Abdul Haseeb	116	58	1
Akula Suraj	117	58.5	1
k Ramya	118	59	1
Reya Roy	118	59	1
Setti Sri Prabhas	118	59	1
Godugu Ajay Kumar Yadav	119	59.5	1
Konkathi Shruthi	119	59.5	1
Pamballa Anusha	119	59.5	1
Risham Muhammed	119	59.5	1
Shetty Tribhuvana Sagar	119	59.5	1
Tanakam Yashwanthi	119	59.5	1
Mekala Sneha Sree	121	60.5	1
Shaik Juveriya Mahi	121	60.5	1
Kandhukuri Bhumika	122	61	2
Konda Uday Kumar	122	61	2
Nellutla Milind	122	61	2
Ayyanki Sanjana	123	61.5	2
Mukul Saner	123	61.5	2
Nooreen Fatima	123	61.5	2
Chintala Vanaja Rani	124	62	2
Dhawale Aman Suresh	124	62	2
Royyala Arunkumar	125	62.5	2
Spurthi Choutakuri	125	62.5	2
Vuskemalla Abhiram	126	63	2
Mudigonda Shivani	127	63.5	2
Choutipelly Akhilesh	128	64	2
Narra Divyasree	128	64	2


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Zerikunthe Shivani Chandrakant	128	64	2
Aitha Srivarsha	130	65	2
Arihant Biswajit Das	130	65	2
Bonagiri Srinija	130	65	2
Kavali Supriya	132	66	2
Yalamanjula Nikhitha	132	66	2
S.Maavya	133	66.5	2
Pavithra.M	134	67	2
M.Priyanka	135	67.5	2
Dasari Swathi	136	68	2
Majety Devika	136	68	2
Boyina Vijay Kumar	137	68.5	2
Dhanchetti Kaveri	138	69	2
Mavilla Venkata Sai Goud	139	69.5	2
Poppadi Mounica	139	69.5	2
Akula Akshitha	140	70	2
Boyapally Kiranmai	140	70	2
Dasari Sudeshna	140	70	2
Uttekar Rushikesh Dipak	140	70	2
Yedlapalley Srivalli	140	70	2
Valeti Harshitha	141	70.5	2
Mediwar Shruti Shrikant	142	71	2
Palagiri Sai Keerthana Reddy	142	71	2
Dameracherla Sai Harsha	143	71.5	2
Dhulipala Ridhi	143	71.5	2
M.Soumya Sree	144	72	2
Malothu Sandhya	145	72.5	2
Jaya Sindhuri V	146	73	2
Saladi Sri Rajeswari	146	73	2
Satya Abhishek Varma Vegesna	146	73	2
Kanukunta Sai Priya	147	73.5	2
Gatla Suma	148	74	2
Mengji Nitisha	148	74	2
Sannidhya Sharma	149	74.5	2
Comshwarampet Anjali	150	75	2
Doppalapudi Niharika	155	77.5	3
Subham Singh	156	78	3
LEVEL OF ATTAINMENT OF COURSE OUTCOME			1.64


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COURSE OUTCOMES - A.Y : 2022-23 (2019 BATCH)


<u>Name of the student</u>	<u>SPM</u>	<u>Percentage</u>	<u>LEVEL</u>
Ihithya Tottempudi	144	48.00	0
Thootupalli Manichandana	147	49.00	0
Tanakam Yashwanthi	150	50.00	1
Alladi R Abhigna	151	50.33	1
Syed Abdul Haseeb	151	50.33	1
Zerikunthe Shivani Chandrakant	155	51.67	1
Doddavarapu Bhavya	158	52.67	1
Raavi Guna Sai Ram	159	53.00	1
Baddam Sucharith Reddy	161	53.67	1
Boyapally Kiranmai	161	53.67	1
Dameracherla Sai Harsha	161	53.67	1
Vighane Apurvaa Subhash	161	53.67	1
Mudigonda Shivani	162	54.00	1
Arihant Biswajit Das	164	54.67	1
Banoth Praveen	164	54.67	1
Shaik Juveriya Mahi	164	54.67	1
Godugu Ajay Kumar Yadav	165	55.00	1
Bonagiri Srinija	167	55.67	1
Dasari Swathi	167	55.67	1
Deepika Gollapalli	167	55.67	1
Khedkar Poonam Bhujangrao	167	55.67	1
M.Priyanka	168	56.00	1
Malothu Sandhya	169	56.33	1
Veeravalli Shruthi Daniel	169	56.33	1
Dhanchetti Kaveri	175	58.33	1
Reya Roy	175	58.33	1
Setti Sri Prabhas	175	58.33	1
Yalamanjula Nikhitha	175	58.33	1
Bogam Manohar	176	58.67	1
Guttedhar Madhuri	176	58.67	1
Saikam SaKrishna	176	58.67	1
Shetty Tribhuvana Sagar	176	58.67	1
Ayyanki Sanjana	177	59.00	1
Ganji Varsha	177	59.00	1
Mukul Saner	177	59.00	1
Vuskemalla Abhiram	177	59.00	1
Jaya Sindhuri V	179	59.67	1
Devansh Parlawar	180	60.00	1
Konda Uday Kumar	180	60.00	1
Konkathi Shruthi	180	60.00	1
Aitha Srivarsha	182	60.67	1
Dasari Sudeshna	182	60.67	1
Chintala Vanaja Rani	184	61.33	2
M.Soumya Sree	184	61.33	2


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Gatla Suma	185	61.67	2
Dhawale Aman Suresh	186	62.00	2
Pamballa Anusha	186	62.00	2
Aditi Asthana	188	62.67	2
Spurthi Choutakuri	188	62.67	2
Subham Singh	188	62.67	2
Risham Muhammed	189	63.00	2
Sannidhya Sharma	189	63.00	2
Uttekar Rushikesh Dipak	189	63.00	2
Akula Suraj	190	63.33	2
Choutipelly Akhilesh	191	63.67	2
Dhulipala Ridhi	192	64.00	2
Kandhukuri Bhumika	193	64.33	2
MD. Faiz Ali	193	64.33	2
Nellutla Milind	193	64.33	2
Doppalapudi Niharika	194	64.67	2
Majety Devika	194	64.67	2
Nooreen Fatima	194	64.67	2
Poppadi Mounica	194	64.67	2
Royyala Arunkumar	194	64.67	2
Valeti Harshitha	194	64.67	2
Mengji Nitisha	198	66.00	2
k Ramya	199	66.33	2
Mekala Sneha Sree	199	66.33	2
Maguluri Sunidhi	201	67.00	2
Narra Divyasree	201	67.00	2
Kanukunta Sai Priya	202	67.33	2
Yedlapalley Srivalli	202	67.33	2
Kavali Supriya	203	67.67	2
Mediwar Shruti Shrikant	203	67.67	2
Mavilla Venkata Sai Goud	204	68.00	2
Pavithra.M	205	68.33	2
Akula Akshitha	206	68.67	2
Saladi Sri Rajeswari	206	68.67	2
Comshwarampet Anjali	209	69.67	2
Satya Abhishek Varma Vegesna	209	69.67	2
Boyina Vijay Kumar	210	70.00	2
S.Maavya	213	71.00	2
Palagiri Sai Keerthana Reddy	214	71.33	2
LEVEL OF ATTAINMENT OF COURSE OUTCOME			1.47


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COURSE OUTCOMES - A.Y : 2022-23 (2019 BATCH)


<u>Name of the student</u>	<u>Forensic</u>	<u>Percentage</u>	<u>LEVEL</u>
Saikam SaKrishna	104	52	1
Alladi R Abhigna	111	55.5	1
Maguluri Sunidhi	111	55.5	1
Devansh Parlawar	112	56	1
Syed Abdul Haseeb	112	56	1
Vuskemalla Abhiram	112	56	1
Arihant Biswajit Das	113	56.5	1
Veeravalli Shruthi Daniel	113	56.5	1
Dhawale Aman Suresh	115	57.5	1
Konda Uday Kumar	115	57.5	1
k Ramya	116	58	1
Aditi Asthana	117	58.5	1
Ganji Varsha	118	59	1
Raavi Guna Sai Ram	118	59	1
Baddam Sucharith Reddy	119	59.5	1
Ihithya Tottempudi	119	59.5	1
Boyina Vijay Kumar	120	60	1
Deepika Gollapalli	120	60	1
Doppalapudi Niharika	120	60	1
Guttedhar Madhuri	120	60	1
Malothu Sandhya	120	60	1
MD. Faiz Ali	120	60	1
Kanukunta Sai Priya	121	60.5	1
Mudigonda Shivani	121	60.5	1
Setti Sri Prabhas	121	60.5	1
Zerikunthe Shivani Chandrakant	121	60.5	1
Mukul Saner	122	61	2
Shetty Tribhuvana Sagar	122	61	2
Vighane Apurvaa Subhash	122	61	2
Pamballa Anusha	123	61.5	2
Banoth Praveen	124	62	2
S.Maavya	124	62	2
Doddavarapu Bhavya	125	62.5	2
Khedkar Poonam Bhujangrao	125	62.5	2
Nooreen Fatima	125	62.5	2
Reya Roy	125	62.5	2
Ayyanki Sanjana	126	63	2
Konkathi Shruthi	126	63	2
Pavithra.M	126	63	2
Spurthi Choutakuri	126	63	2
Uttekar Rushikesh Dipak	126	63	2
Yalamanjula Nikhitha	126	63	2
Yedlapalley Srivalli	126	63	2
Dasari Swathi	127	63.5	2


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Kavali Supriya	127	63.5	2
Mediwar Shruti Shrikant	127	63.5	2
Shaik Juveriya Mahi	127	63.5	2
Bogam Manohar	128	64	2
Kandhukuri Bhumika	128	64	2
Mavilla Venkata Sai Goud	128	64	2
Risham Muhammed	128	64	2
Valeti Harshitha	128	64	2
Aitha Srivarsha	129	64.5	2
Gatla Suma	129	64.5	2
M.Soumya Sree	129	64.5	2
Mekala Sneha Sree	129	64.5	2
Royyala Arunkumar	129	64.5	2
Tanakam Yashwanthi	129	64.5	2
Akula Suraj	130	65	2
M.Priyanka	130	65	2
Bonagiri Srinija	131	65.5	2
Dasari Sudeshna	131	65.5	2
Mengji Nitisha	132	66	2
Godugu Ajay Kumar Yadav	133	66.5	2
Majety Devika	133	66.5	2
Boyapally Kiranmai	134	67	2
Dhanchetti Kaveri	134	67	2
Akula Akshitha	135	67.5	2
Sannidhya Sharma	135	67.5	2
Chintala Vanaja Rani	137	68.5	2
Satya Abhishek Varma Vegesna	137	68.5	2
Subham Singh	137	68.5	2
Jaya Sindhuri V	140	70	2
Saladi Sri Rajeswari	141	70.5	2
Choutipelly Akhilesh	142	71	2
Dameracherla Sai Harsha	143	71.5	2
Nellutla Milind	143	71.5	2
Palagiri Sai Keerthana Reddy	143	71.5	2
Dhulipala Ridhi	144	72	2
Poppadi Mounica	147	73.5	2
Comshwarampet Anjali	153	76.5	3
Narra Divyasree	158	79	3
LEVEL OF ATTAINMENT OF COURSE OUTCOME			1.71


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COURSE OUTCOMES - A:Y = 2022-23 (2020 BATCH)

<u>Name of the student</u>	<u>PATHO</u>	<u>Percentage</u>	<u>LEVEL</u>
SHIVA TEJA AROLLA	100	33.33333333	0
BANOTH MARIAMMA	127	42.33333333	0
SRIRAMOJU SOWMYA	138	46	0
KAMBHAM NAVYA SAI	140	46.66666667	0
MEDA NAINESHA	143	47.66666667	0
G SHIVA PRAKASH REDDY	145	48.33333333	0
UPPU VARUN KUMAR	145	48.33333333	0
BANOTH NIKHITHA	146	48.66666667	0
MAIDAM LIKHITHA	147	49	0
RAMADUGU PAVANI	147	49	0
SHREEYA KANDI	150	50	1
SUREPALLY HUSSAIN	151	50.33333333	1
HRITHIKA CHAPLA	152	50.66666667	1
GADDAM DHANUSH	153	51	1
THOTADA SAI CHARANI	156	52	1
JADLOD LALITHA	158	52.66666667	1
TEJAS BHASKARRAO DINDE	158	52.66666667	1
K RAHUL	159	53	1
GORLA SRINIVAS	161	53.66666667	1
MEDEPALLI HERALD	161	53.66666667	1
JARUPULA RAHUL NAIK	162	54	1
CHARLI DUGGIRALA	163	54.33333333	1
CHELANGARI SRINIDHI	163	54.33333333	1
KATTAKINDI SATISH GOUD	163	54.33333333	1
YELGAPURI RAVEENA	163	54.33333333	1
KAUSTUBH RAJ PANDEY	165	55	1
SIRSI NITHIN SAI	167	55.66666667	1
BHAVANA YELGONDA	168	56	1
KARROLLA SAUMITH REDDY	169	56.33333333	1
MOHAMMED ATHER SAIFUDDIN	169	56.33333333	1
VAISHNAVI MAKKAPATY	169	56.33333333	1
VALLAKATI SANTHU PRIYA	169	56.33333333	1
KOMMINENI PUJITHA	170	56.66666667	1
PAPISHETTY SAHASRA	170	56.66666667	1
CHIPRIKAR DHAMMAPAL SUNIL	172	57.33333333	1
KUNCHALA LAHARI	173	57.66666667	1
NALLI SHINY	173	57.66666667	1
SHAIKH SAHIL RAJMOHMAD	173	57.66666667	1
KADAM MRUTUNJAY MADHAVRAO	174	58	1
PUJARI SANKETKUMAR LAXMANRAO	174	58	1
MANAV AVINASH SHAH	175	58.33333333	1
GUNTUR LIKHITHA	176	58.66666667	1
KASHIF MINHAJ M V	176	58.66666667	1
MANTRI PRANAV PAWAN	176	58.66666667	1
A KEERTHANA	177	59	1

Chairperson
Internal Quality Assurance Cell (IQAC)
MNR Medical College & Hospital

PRINCIPAL
MNR MEDICAL COLLEGE & HOSPITAL
FASALWADI, SANGAREDDY-502229
962205-502229

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MNR MEDICAL COLLEGE & HOSPITAL
FASALWADI, SANGAREDDY-502229

GURRAM KEERTHANA	177	59	1
W VINDHYA SREE	178	59.33333333	1
DHARAVATH MOUNICA	180	60	1
ELECHARALA INDRASENA REDDY	180	60	1
SUPRIYA BANOTH	180	60	1
ADITYA REDDY MAMILLA	181	60.33333333	1
B SREEHARSHINI	181	60.33333333	1
KATTA LAHARIKA	181	60.33333333	1
SHARON SANTY C	181	60.33333333	1
PEARL SUSAN PRINCE	182	60.66666667	1
RASAMALLA MADHURI	182	60.66666667	1
RITWIK KASHYAP OJHA	182	60.66666667	1
VEERAPANENI VENKATA SAI PRANEETH	182	60.66666667	1
DHURATHATI YAGNA SAMPREETH	183	61	2
K SHRAVYA	183	61	2
PARIMI SAI LALITHA SUMASREE	183	61	2
PRASHANTHI SARAYU GADDE	183	61	2
GADDE BHAVANA	184	61.33333333	2
GHATE ASHUTOSH RAJENDRA	184	61.33333333	2
TEJAL POPURI	184	61.33333333	2
ANSHU BHAGYANTHI POKALA	185	61.66666667	2
LAUDIA MOUNIKA	185	61.66666667	2
M ABHITHA	185	61.66666667	2
NANDINI H NAIR	185	61.66666667	2
BANOTH SHIVANI	186	62	2
M ANUSHA	186	62	2
MUPPARAPU POOJA CHOWDARY	186	62	2
SRI SAI SVAECHHA PATURI	186	62	2
UPPADA VENKATA SAI PRASANNA	186	62	2
AENAGANDULA AKSHAYA	188	62.66666667	2
AKULA AKHIL	188	62.66666667	2
VUYYURU KRISHNA SAI	188	62.66666667	2
AKHEEL	189	63	2
NAGIREDDY SRIDATTA RISHITHA	189	63	2
PULARI KEERTHANA	189	63	2
M ALAK PRASAD REDDY	190	63.33333333	2
MANEY RATNA MANASWI	190	63.33333333	2
MUDAVATH SUNIDHI CHOUHAN	190	63.33333333	2
B VAISHNAVI	191	63.66666667	2
GANJIKUNTA AROOSHI	191	63.66666667	2
RAMAVATH BABU NAIK	192	64	2
AYUSHI VARMA	193	64.33333333	2
D JANAKI	193	64.33333333	2
GAJULAGUDEM SHIVA VARUN	193	64.33333333	2
MEKALA SHRIJA REDDY	193	64.33333333	2
PANDI SRAVANI	193	64.33333333	2
G NIKITHA	194	64.66666667	2


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UNDELA NAVEEN REDDY	194	64.66666667	2
DNYANESHWARI BABASAHEB KHAIRNAR	195	65	2
JARUBULA HARI KRISHNA	195	65	2
KOPPARAPU JAYAVARSHA	195	65	2
SAMIHA MAHVEEN	195	65	2
T LASYA PRIYA	195	65	2
THOTA NEHASREE	195	65	2
ASHRITHA REDDY MORAMGANTI	196	65.33333333	2
SAFOORA KHATOON	196	65.33333333	2
MADUPOJU ALEKHYA	197	65.66666667	2
BURUNGALE PRATIK RAJENDRA	198	66	2
DANGE POOJA SHIVLING	198	66	2
DONEPUDI SRILASYA	198	66	2
M ANUDEEP	198	66	2
MULLE NAVEEN KUMAR	198	66	2
GUGULOTH AKSHITHA	199	66.33333333	2
BODHUKAM NAGAKEERTHANA	200	66.66666667	2
KATTA ABHINAV	200	66.66666667	2
CHINNAYYAGARI HARIKA	201	67	2
ATHMAKUR AKSHAY REDDY	203	67.66666667	2
RAVULA HARSHINI	203	67.66666667	2
BAIRU DIVYA	207	69	2
CHERLA HARSHITH	208	69.33333333	2
MUVVA TEENA CHOWDARY	208	69.33333333	2
YELLAMELLI DEEPIKA SATYA	208	69.33333333	2
THAMMISHETTI NAVYA SRI	209	69.66666667	2
BORANCHI BHAGYASRI	210	70	2
FAREEHA MOHAMMED	210	70	2
MAJJIGA SRICHARITHA	210	70	2
CH TEJESH	211	70.33333333	2
NIDA SAHIRIN	212	70.66666667	2
MIDDE GAYATHRI	213	71	2
ANIKET KUMAR	218	72.66666667	2
DEEKSHA UMESH TAYADE	218	72.66666667	2
GADPALE SAKSHI	221	73.66666667	2
LEVEL OF ATTAINMENT OF COURSE OUTCOME			1.46


 Chairperson
 Internal Quality Assurance Cell (IQAC)
 MNR Medical College & Hospital


 PRINCIPAL
 MNR MEDICAL COLLEGE & HOSPITAL
 FASALWADI, SANGAREDDY-502294

COURSE OUTCOMES - A.Y : 2022-23 (2020 BATCH)

<u>Name of the student</u>	<u>MICRO</u>	<u>Percentage</u>	<u>LEVEL</u>
THOTADA SAI CHARANI	133	44.33333333	0
B SREEHARSHINI	136	45.33333333	0
BANOTH MARIAMMA	145	48.33333333	0
BANOTH NIKHITHA	145	48.33333333	0
KAMBHAM NAVYA SAI	146	48.66666667	0
DHARAVATH MOUNICA	148	49.33333333	0
SHREEYA KANDI	148	49.33333333	0
ADDANKI SAHITHI	149	49.66666667	0
CHARLI DUGGIRALA	150	50	1
CHELANGARI SRINIDHI	150	50	1
KATTAKINDI SATISH GOUD	150	50	1
HRITHIKA CHAPLA	151	50.33333333	1
BHAVANA YELGONDA	153	51	1
THAKKELLAPALLY ASHISH RAO	153	51	1
SHAIKH SAHIL RAJMOHMAD	154	51.33333333	1
SIRSI NITHIN SAI	155	51.66666667	1
G SHIVA PRAKASH REDDY	157	52.33333333	1
GADDAM DHANUSH	157	52.33333333	1
M ABHITHA	157	52.33333333	1
K RAHUL	158	52.66666667	1
MEDA NAINESHA	158	52.66666667	1
TEJAS BHASKARRAO DINDE	159	53	1
SHIVA TEJA AROLLA	160	53.33333333	1
ADITYA REDDY MAMILLA	163	54.33333333	1
NAGIREDDY SRIDATTA RISHITHA	165	55	1
W VINDHYA SREE	165	55	1
MANAV AVINASH SHAH	166	55.33333333	1
MUPPARAPU POOJA CHOWDARY	166	55.33333333	1
PAPISHETTY SAHASRA	166	55.33333333	1
SRIRAMOJU SOWMYA	169	56.33333333	1
KARROLLA SAUMITH REDDY	170	56.66666667	1
MOHAMMED ATHER SAIFUDDIN	170	56.66666667	1
UPPU VARUN KUMAR	171	57	1
CHIPRIKAR DHAMMAPAL SUNIL	172	57.33333333	1
D JANAKI	172	57.33333333	1
GANJIKUNTA AROOSHI	172	57.33333333	1
JADLOD LALITHA	172	57.33333333	1
KOMMINENI PUJITHA	172	57.33333333	1
M ANUSHA	173	57.66666667	1
BANOTH SHIVANI	174	58	1
VEERAPANENI VENKATA SAI PRANEETH	174	58	1
SUPRIYA BANOTH	175	58.33333333	1
SUREPALLY HUSSAIN	175	58.33333333	1
VAISHNAVI MAKKAPATY	175	58.33333333	1


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 Internal Quality Assurance Cell (IQAC)
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VALLAKATI SANTHU PRIYA	175	58.33333333	1
AKHEEL	176	58.66666667	1
GURRAM KEERTHANA	176	58.66666667	1
K SHRAVYA	176	58.66666667	1
SAMIHA MAHVEEN	176	58.66666667	1
GUNTUR LIKHITHA	177	59	1
RAMADUGU PAVANI	177	59	1
SRI SAI SVAECHHA PATURI	177	59	1
BAIRU DIVYA	178	59.33333333	1
GORLA SRINIVAS	178	59.33333333	1
NANDINI H NAIR	178	59.33333333	1
AENAGANDULA AKSHAYA	179	59.66666667	1
LAUDIA MOUNIKA	179	59.66666667	1
PUJARI SANKETKUMAR LAXMANRAO	179	59.66666667	1
RITWIK KASHYAP OJHA	179	59.66666667	1
YELGAPURI RAVEENA	179	59.66666667	1
CHERLA HARSHITH	180	60	1
GHATE ASHUTOSH RAJENDRA	180	60	1
JARUPULA RAHUL NAIK	181	60.33333333	1
KAUSTUBH RAJ PANDEY	181	60.33333333	1
MANEY RATNA MANASWI	181	60.33333333	1
PULARI KEERTHANA	181	60.33333333	1
JARUBULA HARI KRISHNA	182	60.66666667	1
KUNCHALA LAHARI	182	60.66666667	1
DHURATHATI YAGNA SAMPREETH	183	61	2
MIDDE GAYATHRI	183	61	2
PRASHANTHI SARAYU GADDE	183	61	2
UNDELA NAVEEN REDDY	183	61	2
ATHMAKUR AKSHAY REDDY	184	61.33333333	2
PARIMI SAI LALITHA SUMASREE	184	61.33333333	2
VUYYURU KRISHNA SAI	184	61.33333333	2
DNYANESHWARI BABASAHEB KHAIRNAR	185	61.66666667	2
ANSHU BHAGYANTHI POKALA	186	62	2
GADDE BHAVANA	186	62	2
KASHIF MINHAI M V	186	62	2
KOPPARAPU JAYAVARSHA	186	62	2
MANTRI PRANAV PAWAN	186	62	2
AKULA AKHIL	187	62.33333333	2
DONEPUDI SRILASYA	187	62.33333333	2
BORANCHI BHAGYASRI	188	62.66666667	2
KATTA LAHARIKA	188	62.66666667	2
MATTA SAI KIRAN GOUD	188	62.66666667	2
AYUSHI VARMA	189	63	2
PANDI SRAVANI	189	63	2
RAMAVATH BABU NAIK	189	63	2
UPPADA VENKATA SAI PRASANNA	189	63	2
ELECHARALA ANDRASENA REDDY	190	63.33333333	2

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Internal Quality Assurance Cell (IQAC)
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Principal
MNR MEDICAL COLLEGE & HOSPITAL
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G NIKITHA	190	63.33333333	2
MEDEPALLI HERALD	192	64	2
CHINNAYYAGARI HARIKA	193	64.33333333	2
RASAMALLA MADHURI	193	64.33333333	2
B VAISHNAVI	194	64.66666667	2
KATHULA PRADEEP MAHI MANVITHA	194	64.66666667	2
MULLE NAVEEN KUMAR	194	64.66666667	2
GUGULOTH AKSHITHA	195	65	2
MAIDAM LIKHITHA	195	65	2
MUDAVATH SUNIDHI CHOUHAN	195	65	2
SHARON SANTY C	195	65	2
T LASYA PRIYA	195	65	2
THOTA NEHASREE	195	65	2
ASHRITHA REDDY MORAMGANTI	196	65.33333333	2
KADAM MRUTUNJAY MADHAVRAO	196	65.33333333	2
M ANUDEEP	196	65.33333333	2
M ALAK PRASAD REDDY	197	65.66666667	2
MADUPOJU ALEKHYA	198	66	2
NALLI SHINY	198	66	2
E KEERTHANA	201	67	2
T KAUSHIK RAJ	201	67	2
BODHUKAM NAGAKEERTHANA	202	67.33333333	2
MEKALA SHRIJA REDDY	202	67.33333333	2
BURUNGAL PRATIK RAJENDRA	203	67.66666667	2
ANIKET KUMAR	204	68	2
CH TEJESH	204	68	2
DANGE POOJA SHIVLING	205	68.33333333	2
RAVULA HARSHINI	205	68.33333333	2
SAFOORA KHATOON	205	68.33333333	2
YELLAMELLI DEEPIKA SATYA	205	68.33333333	2
PEARL SUSAN PRINCE	208	69.33333333	2
TEJAL POPURI	208	69.33333333	2
KATTA ABHINAV	209	69.66666667	2
GADPALE SAKSHI	210	70	2
MUVVA TEENA CHOWDARY	211	70.33333333	2
DEEKSHA UMESH TAYADE	215	71.66666667	2
FAREEHA MOHAMMED	216	72	2
GAJULAGUDEM SHIVA VARUN	217	72.33333333	2
MAJJIGA SRICHARITHA	221	73.66666667	2
NIDA SAHIRIN	221	73.66666667	2
THAMMISHETTI NAVYA SRI	225	75	2
LEVEL OF ATTAINMENT OF COURSE OUTCOME			1.42

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Internal Quality Assurance Cell (IQAC)
MNR Medical College & Hospital

PRINCIPAL
MNR MEDICAL COLLEGE & HOSPITAL
FASALWADI, SANGAREDDY-502294

COURSE OUTCOMES - A.Y : 2022-23 (2020 BATCH)


<u>Name of the student</u>	<u>PHARMACOLOGY</u>	<u>PERCENTAGE</u>	<u>LEVEL</u>
TEJAS BHASKARRAO DINDE	124	41.33	0
MANAV AVINASH SHAH	132	44.00	0
DHARAVATH MOUNICA	137	45.67	0
MEDA NAINESHA	137	45.67	0
G SHIVA PRAKASH REDDY	138	46.00	0
KAMBHAM NAVYA SAI	142	47.33	0
K SHRAVYA	146	48.67	0
SRIRAMOJU SOWMYA	146	48.67	0
BANOTH NIKHITHA	153	51.00	1
PAPISHETTY SAHASRA	155	51.67	1
VAISHNAVI MAKKAPATY	157	52.33	1
VEERAPANENI VENKATA SAI PRANEETH	157	52.33	1
SIRSI NITHIN SAI	158	52.67	1
CHARLI DUGGIRALA	159	53.00	1
MOHAMMED ATHER SAIFUDDIN	161	53.67	1
CHELANGARI SRINIDHI	162	54.00	1
HRITHIKA CHAPLA	162	54.00	1
KAUSTUBH RAJ PANDEY	166	55.33	1
PUJARI SANKETKUMAR LAXMANRAO	166	55.33	1
RAMADUGU PAVANI	166	55.33	1
YELGAPURI RAVEENA	166	55.33	1
B SREEHARSHINI	168	56.00	1
GADDAM DHANUSH	168	56.00	1
K RAHUL	168	56.00	1
SHIVA TEJA AROLLA	169	56.33	1
BANOTH MARIAMMA	170	56.67	1
THOTADA SAI CHARANI	172	57.33	1
KATHULA PRADEEP MAHI MANVITHA	173	57.67	1
KADAM MRUTUNJAY MADHAVRAO	175	58.33	1
KOMMINENI PUJITHA	175	58.33	1
B VAISHNAVI	176	58.67	1
AENAGANDULA AKSHAYA	177	59.00	1
GORLA SRINIVAS	178	59.33	1
KUNCHALA LAHARI	178	59.33	1
CHERLA HARSHITH	179	59.67	1
JADLOD LALITHA	179	59.67	1
KASHIF MINHAJ M V	179	59.67	1
BHAVANA YELGONDA	180	60.00	1
MAIDAM LIKHITHA	180	60.00	1
DNYANESHWARI BABASAHEB KHAIARNAR	181	60.33	1
GUNTUR LIKHITHA	181	60.33	1
KOPPARAPU JAYAVARSHA	181	60.33	1
SHAIKH SAHIL RAJMOHMAD	181	60.33	1
UPPU VARUN KUMAR	181	60.33	1
AKULA AKHIL	182	60.67	1


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ANSHU BHAGYANTHI POKALA	182	60.67	1
CH TEJESH	182	60.67	1
DHURATHATI YAGNA SAMPREETH	182	60.67	1
MEDEPALLI HERALD	182	60.67	1
MUDAVATH SUNIDHI CHOUHAN	183	61.00	2
DONEPUDI SRILASYA	184	61.33	2
ELECHARALA INDRASENA REDDY	184	61.33	2
M ABHITHA	184	61.33	2
NANDINI H NAIR	184	61.33	2
KATTAKINDI SATISH GOUD	185	61.67	2
BODHUKAM NAGAKEERTHANA	186	62.00	2
JARUBULA HARI KRISHNA	186	62.00	2
MEKALA SHRIJA REDDY	186	62.00	2
NALLI SHINY	186	62.00	2
SAMIHA MAHVEEN	186	62.00	2
PARIMI SAI LALITHA SUMASREE	187	62.33	2
RITWIK KASHYAP OJHA	187	62.33	2
BAIRU DIVYA	188	62.67	2
DEEKSHA UMESH TAYADE	188	62.67	2
MATTA SAI KIRAN GOUD	188	62.67	2
NAGIREDDY SRIDATTA RISHITHA	188	62.67	2
ATHMAKUR AKSHAY REDDY	189	63.00	2
JARUPULA RAHUL NAIK	189	63.00	2
CHIPRIKAR DHAMMAPAL SUNIL	190	63.33	2
D JANAKI	190	63.33	2
MULLE NAVEEN KUMAR	190	63.33	2
PANDI SRAVANI	190	63.33	2
VUYYURU KRISHNA SAI	190	63.33	2
AKHEEL	191	63.67	2
MUPPARAPU POOJA CHOWDARY	191	63.67	2
VALLAKATI SANTHU PRIYA	191	63.67	2
GANJIKUNTA AROOSHI	192	64.00	2
UNDELA NAVEEN REDDY	192	64.00	2
BANOTH SHIVANI	193	64.33	2
GURRAM KEERTHANA	193	64.33	2
KATTA LAHARIKA	193	64.33	2
PRASHANTHI SARAYU GADDE	193	64.33	2
M ANUDEEP	194	64.67	2
MANEY RATNA MANASWI	194	64.67	2
W VINDHYA SREE	194	64.67	2
BORANCHI BHAGYASRI	195	65.00	2
PULARI KEERTHANA	195	65.00	2
RASAMALLA MADHURI	195	65.00	2
G NIKITHA	196	65.33	2
AYUSHI VARMA	197	65.67	2
CHINNAYYAGARI HARIKA	197	65.67	2
GHATE ASHUTOSH RAJENDRA	197	65.67	2


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RAMAVATH BABU NAIK	197	65.67	2
T LASYA PRIYA	197	65.67	2
GAJULAGUDEM SHIVA VARUN	199	66.33	2
MANTRI PRANAV PAWAN	199	66.33	2
SAFOORA KHATOON	199	66.33	2
SHARON SANTY C	199	66.33	2
BURUNGALE PRATIK RAJENDRA	200	66.67	2
GUGULOTH AKSHITHA	200	66.67	2
SUPRIYA BANOTH	200	66.67	2
UPPADA VENKATA SAI PRASANNA	201	67.00	2
GADPALE SAKSHI	203	67.67	2
TEJAL POPURI	203	67.67	2
DANGE POOJA SHIVLING	204	68.00	2
E KEERTHANA	204	68.00	2
THOTA NEHASREE	204	68.00	2
PEARL SUSAN PRINCE	205	68.33	2
RAVULA HARSHINI	205	68.33	2
FAREEHA MOHAMMED	206	68.67	2
MIDDE GAYATHRI	206	68.67	2
ASHRITHA REDDY MORAMGANTI	208	69.33	2
KATTA ABHINAV	208	69.33	2
M ANUSHA	208	69.33	2
YELLAMELLI DEEPIKA SATYA	210	70.00	2
SRI SAI SVAECHHA PATURI	212	70.67	2
THAMMISHETTI NAVYA SRI	213	71.00	2
ANIKET KUMAR	217	72.33	2
GADDE BHAVANA	217	72.33	2
MADUPOJU ALEKHYA	218	72.67	2
MUVVA TEENA CHOWDARY	220	73.33	2
MAJJIGA SRICHARITHA	222	74.00	2
NIDA SAHIRIN	226	75.33	2
LEVEL OF ATTAINMENT OF COURSE OUTCOME			1.54


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 MNR Medical College & Hospital


PRINCIPAL
 MNR MEDICAL COLLEGE & HOSPITAL
 CASALWADI, SANGAREDDY-502294

COURSE OUTCOMES - A.Y : 2022-23 (2021 BATCH)

<u>Name of the student</u>	<u>Anatomy</u>	<u>Percentage</u>	<u>LEVEL</u>
HRUDAY KANDULA	107	35.67	0
JUBRE RAJESH	111	37.00	0
VELLALA RAMYA PRATHYUSHA	111	37.00	0
THALLAPPELLY AISHWARYA	127	42.33	0
CHEGURI SRINIDHI	129	43.00	0
KAMPELLY SAI RAM	130	43.33	0
KODATHALA DHARANESWARREDDY	130	43.33	0
KETHIREDDY MANASWINI	133	44.33	0
HAJIRA TABASSUM	134	44.67	0
M A GHANI	134	44.67	0
K GOVARDHAN	137	45.67	0
K CHANDRA PRADHYUMNA REDDY	139	46.33	0
THANUJA VUDHARI	139	46.33	0
SARMADA YELLAPRAGADA	142	47.33	0
BANTANAHAL SAI NAVYA	145	48.33	0
VADDI GIRIDHAR SAINATHREDDY	146	48.67	0
KOMAL PATEL	147	49.00	0
PAGIDIPATI RAJU	148	49.33	0
BANAVATH SAI KIRAN	150	50.00	1
LAYA KULKARNI	150	50.00	1
DIRISINAPU SRI HARSHITHA	153	51.00	1
GANDRA SAI DHANUSH REDDY	155	51.67	1
SOWMYA AMRUTHAM	155	51.67	1
KANDAGATLA VISHWANE RAJ	156	52.00	1
BUSANI AMULYA	157	52.33	1
SHASANOOR SWETHA REDDY	158	52.67	1
MANIKONDA GOPI KRISHNA SAI	159	53.00	1
CHALLA UDAY BABU	160	53.33	1
DEOKATE VARUN PRAKASH	162	54.00	1
GOREGAONKAR LAUKIK MANOJ	162	54.00	1
MANDOLLA ALEKHYA	163	54.33	1
AKULA AKSHAYA	165	55.00	1
BEDARAKOTA SRIKANTH	165	55.00	1
D NEHA	165	55.00	1
GUNDADI SAI CHARAN MUDHIRAJ	165	55.00	1
MAHINDRAKAR SHRIYA	165	55.00	1
SHAIK YOUNUS	165	55.00	1
BHAGYA LAKSHMI MARPALLYGOLLA	166	55.33	1
MEGHANA POTHULA	167	55.67	1
SANJANA GOURISHETTY	167	55.67	1
NAYAB SAI VAMSHI	168	56.00	1
KODALI PRIYANKACHOWDARY	169	56.33	1
GUTTE AARYA PRAKASH	170	56.67	1
KORUKONDA HARI KRISHNA SASTRY	170	56.67	1

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FASALWADI, SANGAREDDY-502294

MEKALA SAI PRANEETH YADAV	170	56.67	1
P AMRUTHA VARSHINI	170	56.67	1
REDDYPOGU ANJALI	170	56.67	1
CHILUMULA ANJI	171	57.00	1
GUGULOTHU GOPI	171	57.00	1
SAMALA SATWIKK CHAITANYA	171	57.00	1
YANGALI SATHWIKA	171	57.00	1
BIRADAR SWARAJ SANJAY	172	57.33	1
TAMADA DEEPIKA	172	57.33	1
GEDELA UMA MAHESHWAR RAO	173	57.67	1
P S S KAUSTUBH JAIN	173	57.67	1
PEDHITI SHIVA PRIYA REDDY	173	57.67	1
AATIF SUHAIB	174	58.00	1
GANGARAPU SURAKSHITHA	174	58.00	1
KARRA KRISHNA PRIYA CHOUHAN	174	58.00	1
NUTANA T	174	58.00	1
TANNERU BHANU TEJA	174	58.00	1
ARTHAM ANASUYA	175	58.33	1
BODALA VENKATA SUJITH	175	58.33	1
GUDUGUNTLA SWEJAN	175	58.33	1
GUNTI YASHWANTH	175	58.33	1
KUTADI USHA SREE	175	58.33	1
DUBBAKA UDAY KIRAN	176	58.67	1
JANGA MADHU SREE	176	58.67	1
RESHMA IREM	176	58.67	1
SANNIHITHA THALLAPALLY	176	58.67	1
SHANIGARAPU VENNELA	176	58.67	1
A PRAJWALIKA	177	59.00	1
BETHU LOHITHA LAKSHMI	178	59.33	1
JONNA SHANMUKA SAI	178	59.33	1
KESHAVARAM EDIGAVARRUN TEJ GOUD	178	59.33	1
MEKA BHAWIN	178	59.33	1
POLA SANTOSH KUMAR	178	59.33	1
POTLA MEGHANA	178	59.33	1
AMBALA RANJITH KUMAR	179	59.67	1
K PAVANI	179	59.67	1
M HARINDRA VARDHANREDDY	180	60.00	1
BHISE YASH MANJULDAS	181	60.33	1
MULEVA SURESH CHOUDARY	181	60.33	1
NEELI MANEESH	181	60.33	1
PRANAV NANDA SAI ADABALA	181	60.33	1
VADITHE HARSHA VARDHAN	181	60.33	1
NANDAIHAGARI SAI PRAKASH	182	60.67	1
SARUKOLLA JAHNAVI	182	60.67	1
A SUPRAJA	183	61.00	2
KALNE PARMESH BABARAO	183	61.00	2
KANDAKATLA LAKSHITHA	183	61.00	2

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MUNDE AISHWARYA BABASAHEB	183	61.00	2
NUKALA NAGA VENKATA SAI JASVANTH	183	61.00	2
NABELA ARSHIYAN	184	61.33	2
ANUGU GREESHMITHA	185	61.67	2
JALAGAM PREMASUDAR SUPRIYA	185	61.67	2
SAYYED NAAZIYA FARHEEN	185	61.67	2
ALLURI SATYA VEDA VARMA	186	62.00	2
GOVINDU SRAVANTHI	186	62.00	2
MACHA ANJALI	186	62.00	2
NEYSA TABITHA FERNANDES	186	62.00	2
PAYYAVULA BALACHANDRA SAI	186	62.00	2
A VENNELA	187	62.33	2
BHUJBALE SIDDHESH DATTA	187	62.33	2
JANGA MANASVINI REDDY	187	62.33	2
KOTHAGATTU VYSHNAVI	187	62.33	2
G BHUVANESHWARI	188	62.67	2
KOMPELly BHARGAVI	189	63.00	2
BANDIWAR SANJANA GAJANAN	190	63.33	2
DASYAM RISHIKA	190	63.33	2
RAMANABHOINA SRILAKSHMI	190	63.33	2
MUBASHEERA SULTANA	191	63.67	2
JINUKUNTLA SAHITHYA	192	64.00	2
V NAVYA SREE	192	64.00	2
CHALLA BRINDHA	193	64.33	2
VALDASU LIKITHA	194	64.67	2
ANAM ADITYA REDDY	195	65.00	2
BODLAPATI NISHITHA	195	65.00	2
JANAMANCHI ADITHYA	196	65.33	2
GUJJARU LUSIKA HASYA	197	65.67	2
SINGI REDDY BHARGAVI	197	65.67	2
VUPPALAPATI VASHUKRISHNA	197	65.67	2
AKSHAYA ALLURI	199	66.33	2
SRIJA BANDLAMUDI	199	66.33	2
VEMUGANTI PRANEETH KUMAR	199	66.33	2
BARASKAR TARANNUM HUSENSO	200	66.67	2
GUGULOTHU SHIRISHA	200	66.67	2
S SUMANA	200	66.67	2
DOWPATI YAMINI	202	67.33	2
RAMAVATH NAVEEN	202	67.33	2
TYLAM VEERENDRA BABU	202	67.33	2
UGGELLI NAVEEN REDDY	202	67.33	2
WARKARE SHIVANIOM PRAKASH	202	67.33	2
UMMAT UR RAHEEMKULSOOM	203	67.67	2
ANNEDI NIRAJ	204	68.00	2
BEULAH EVANGELINE IRIGI	204	68.00	2
I VENKAT VAISHNAVI	204	68.00	2
BANOTHU JEEVANA JYOTHI	206	68.67	2

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JYOTHIKA R CHANDRAN	206	68.67	2
NAYAKA TULASI	207	69.00	2
AARYA MAHESH KOTHEKAR	211	70.33	2
JIVTODE NEHA DIPAK	211	70.33	2
SAMALA TEJA TAPASWI	211	70.33	2
NISHITA PATWARDHAN	215	71.67	2
PUJARI SPANDITA BABURAO	215	71.67	2
SAI SRI LAKSHMI SUGANDHI VADDI	215	71.67	2
NALAMASA CHARANI	216	72.00	2
NANDIKA D	220	73.33	2
MITHALI KANODIA	225	75.00	2
LEVEL OF ATTAINMENT OF COURSE OUTCOME			1.29


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COURSE OUTCOMES - A.Y : 2022-23 (2021 BATCH)

<u>Name of the student</u>	<u>Physiology</u>	<u>Percentage</u>	<u>LEVEL</u>
PAGIDIPATI RAJU	128	42.67	0
VELLALA RAMYA PRATHYUSHA	128	42.67	0
HRUDAY KANDULA	135	45.00	0
K GOVARDHAN	136	45.33	0
ALLURI SATYA VEDA VARMA	137	45.67	0
HAJIRA TABASSUM	149	49.67	0
SHASANOOR SWETHA REDDY	151	50.33	1
JUBRE RAJESH	152	50.67	1
KORUKONDA HARI KRISHNA SASTRY	157	52.33	1
SHAIK YOUNUS	158	52.67	1
GUNDADI SAI CHARAN MUDHIRAJ	159	53.00	1
M A GHANI	159	53.00	1
BEDARAKOTA SRIKANTH	160	53.33	1
GANDRA SAI DHANUSH REDDY	161	53.67	1
GOREGAONKAR LAUKIK MANOJ	161	53.67	1
MEKALA SAI PRANEETH YADAV	161	53.67	1
VADDI GIRIDHAR SAINATHREDDY	162	54.00	1
DIRISINAPU SRI HARSHITHA	163	54.33	1
PEDHITI SHIVA PRIYA REDDY	163	54.33	1
THALLAPPELLY AISHWARYA	164	54.67	1
JONNA SHANMUKA SAI	165	55.00	1
BHUJBALE SIDDHESH DATTA	166	55.33	1
MACHA ANJALI	166	55.33	1
BANAVATH SAI KIRAN	167	55.67	1
GEDELA UMA MAHESHWAR RAO	167	55.67	1
BHAGYA LAKSHMI MARPALLYGOLLA	168	56.00	1
KETHIREDDY MANASWINI	168	56.00	1
THANUJA VUDHARI	168	56.00	1
ARTHAM ANASUYA	169	56.33	1
CHEGURI SRINIDHI	169	56.33	1
REDDYPOGU ANJALI	169	56.33	1
BANTANAHAL SAI NAVYA	171	57.00	1
CHILUMULA ANJI	171	57.00	1
GUDUGUNTLA SWEJAN	172	57.33	1
KODATHALA DHARANESWARREDDY	172	57.33	1
BUSANI AMULYA	173	57.67	1
D NEHA	173	57.67	1
JINUKUNTLA SAHITHYA	173	57.67	1
DUBBAKA UDAY KIRAN	174	58.00	1
NAYAB SAI VAMSHI	174	58.00	1
PAYYAVULA BALACHANDRA SAI	174	58.00	1
TAMADA DEEPIKA	174	58.00	1
VADITHE HARSHA VARDHAN	174	58.00	1
GUGULOTHU GOPI	175	58.33	1


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RAMANABHOINA SRILAKSHMI	175	58.33	1
DEOKATE VARUN PRAKASH	176	58.67	1
NANDAI AHGARI SAI PRAKASH	176	58.67	1
P AMRUTHA VARSHINI	176	58.67	1
YANGALI SATHWIKA	176	58.67	1
K CHANDRA PRADHYUMNA REDDY	177	59.00	1
KALNE PARMESH BABARAO	177	59.00	1
MUNDE AISHWARYA BABASAHEB	177	59.00	1
SRIJA BANDLAMUDI	177	59.00	1
BETHU LOHITHA LAKSHMI	178	59.33	1
GUNTI YASHWANTH	178	59.33	1
K PAVANI	178	59.33	1
POLA SANTOSH KUMAR	178	59.33	1
POTLA MEGHANA	178	59.33	1
SAMALA SATWIKK CHAITANYA	178	59.33	1
GANGARAPU SURAKSHITHA	179	59.67	1
MAHINDRAKAR SHRIYA	179	59.67	1
KARRA KRISHNA PRIYA CHOUHAN	180	60.00	1
KOMAL PATEL	180	60.00	1
A SUPRAJA	181	60.33	1
MANDOLLA ALEKHYA	181	60.33	1
NEYSA TABITHA FERNANDES	181	60.33	1
SARUKOLLA JAHNAVI	181	60.33	1
TANNERU BHANU TEJA	181	60.33	1
G BHUVANESHWARI	182	60.67	1
KODALI PRIYANKACHOWDARY	182	60.67	1
NUTANA T	182	60.67	1
P S S KAUSTUBH JAIN	182	60.67	1
BODLAPATI NISHITHA	183	61.00	2
GUGULOTHU SHIRISHA	183	61.00	2
NEELI MANEESH	183	61.00	2
PRANAV NANDA SAI ADABALA	183	61.00	2
SINGI REDDY BHARGAVI	183	61.00	2
BANOTHU JEEVANA JYOTHI	184	61.33	2
JANGA MANASVINI REDDY	184	61.33	2
KUTADI USHA SREE	184	61.33	2
MANIKONDA GOPI KRISHNA SAI	184	61.33	2
VEMUGANTI PRANEETH KUMAR	184	61.33	2
AKULA AKSHAYA	185	61.67	2
CHALLA UDAY BABU	185	61.67	2
M HARINDRA VARDHANREDDY	185	61.67	2
MUBASHEERA SULTANA	186	62.00	2
LAYA KULKARNI	187	62.33	2
MEGHANA POTHULA	187	62.33	2
BARASKAR TARANNUM HUSENSO	188	62.67	2
BIRADAR SWARAJ SANJAY	188	62.67	2
KOMPPELLY BHARGAVI	188	62.67	2


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SOWMYA AMRUTHAM	188	62.67	2
GOVINDU SRAVANTHI	190	63.33	2
V NAVYA SREE	190	63.33	2
NAYAKA TULASI	191	63.67	2
SHANIGARAPU VENNELA	191	63.67	2
VALDASU LIKITHA	191	63.67	2
BODALA VENKATA SUJITH	192	64.00	2
AMBALA RANJITH KUMAR	193	64.33	2
JANGA MADHU SREE	193	64.33	2
KANDAGATLA VISHWANE RAJ	194	64.67	2
NABELA ARSHIYAN	194	64.67	2
RESHMA IREM	194	64.67	2
S SUMANA	194	64.67	2
AATIF SUHAIB	195	65.00	2
MULEVA SURESH CHOUDARY	195	65.00	2
RAMAVATH NAVEEN	195	65.00	2
MEKA BHAWIN	196	65.33	2
NUKALA NAGA VENKATA SAI JASVANTH	196	65.33	2
SANNIHITHA THALLAPALLY	196	65.33	2
BANDIWAR SANJANA GAJANAN	197	65.67	2
BHISE YASH MANJULDAS	197	65.67	2
SARMADA YELLAPRAGADA	197	65.67	2
BEULAH EVANGELINE IRIGI	198	66.00	2
GUTTE AARYA PRAKASH	198	66.00	2
NANDIKA D	198	66.00	2
SAYYED NAAZIYA FARHEEN	198	66.00	2
KESHAVARAM EDIGAVARRUN TEJ GOUD	199	66.33	2
L VENKAT VAISHNAVI	199	66.33	2
SANJANA GOURISHETTY	200	66.67	2
AARYA MAHESH KOTHEKAR	201	67.00	2
JANAMANCHI ADITHYA	201	67.00	2
KOTHAGATTU VYSHNAVI	201	67.00	2
A VENNELA	202	67.33	2
CHALLA BRINDHA	202	67.33	2
DOWPATI YAMINI	202	67.33	2
DASYAM RISHIKA	203	67.67	2
KANDAKATLA LIKHITHA	204	68.00	2
NALAMASA CHARANI	204	68.00	2
NISHITA PATWARDHAN	205	68.33	2
PUJARI SPANDITA BABURAO	206	68.67	2
SAI SRI LAKSHMI SUGANDHI VADDI	206	68.67	2
UMMAT UR RAHEEMKULSOOM	207	69.00	2
ANNEDI NIRAJ	208	69.33	2
SAMALA TEJA TAPASWI	208	69.33	2
UGGELLI NAVEEN REDDY	208	69.33	2
VUPPALAPATI VASHUKRISHNA	208	69.33	2
GUJJARU LUSIKA HASYA	210	70.00	2


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A PRAJWALIKA	212	70.67	2
AKSHAYA ALLURI	212	70.67	2
TYLAM VEERENDRA BABU	213	71.00	2
ANUGU GREESHMITHA	214	71.33	2
JALAGAM PREMASUDAR SUPRIYA	214	71.33	2
WARKARE SHIVANIOM PRAKASH	216	72.00	2
ANAM ADITYA REDDY	217	72.33	2
MITHALI KANODIA	219	73.00	2
JIVTODE NEHA DIPAK	222	74.00	2
JYOTHIKA R CHANDRAN	235	78.33	3
LEVEL OF ATTAINMENT OF COURSE OUTCOME			1.48


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COURSE OUTCOMES - A.Y : 2022-23 (2021 BATCH)

<u>Name of the student</u>	<u>Biochemistry</u>	<u>Percentage</u>	<u>LEVEL</u>
VELLALA RAMYA PRATHYUSHA	110	36.67	0
K GOVARDHAN	118	39.33	0
KODATHALA DHARANESWARREDDY	120	40.00	0
ALLURI SATYA VEDA VARMA	123	41.00	0
GANDRA SAI DHANUSH REDDY	136	45.33	0
SHASANOOR SWETHA REDDY	137	45.67	0
THALLAPPELLY AISHWARYA	137	45.67	0
BANTANAHAL SAI NAVYA	140	46.67	0
JUBRE RAJESH	142	47.33	0
PAGIDIPATI RAJU	144	48.00	0
G BHUVANESHWARI	150	50.00	1
HRUDAY KANDULA	151	50.33	1
CHEGURI SRINIDHI	153	51.00	1
BANAVATH SAI KIRAN	154	51.33	1
SHAIK YOUNUS	155	51.67	1
VADITHE HARSHA VARDHAN	157	52.33	1
M A GHANI	159	53.00	1
VADDI GIRIDHAR SAINATHREDDY	159	53.00	1
SOWMYA AMRUTHAM	162	54.00	1
BODALA VENKATA SUJITH	166	55.33	1
K CHANDRA PRADHYUMNA REDDY	166	55.33	1
BIRADAR SWARAJ SANJAY	167	55.67	1
GEDELA UMA MAHESHWAR RAO	168	56.00	1
KOMAL PATEL	168	56.00	1
MANDOLLA ALEKHYA	168	56.00	1
CHILUMULA ANJI	169	56.33	1
AKULA AKSHAYA	170	56.67	1
THANUJA VUDHARI	170	56.67	1
PRANAV NANDA SAI ADABALA	171	57.00	1
GUNDADI SAI CHARAN MUDHIRAJ	173	57.67	1
K PAVANI	173	57.67	1
NUTANA T	174	58.00	1
ARTHAM ANASUYA	175	58.33	1
KUTADI USHA SREE	175	58.33	1
REDDYPOGU ANJALI	175	58.33	1
GUDUGUNTLA SWEJAN	176	58.67	1
SAMALA SATWIKK CHAITANYA	176	58.67	1
BUSANI AMULYA	177	59.00	1
SRIJA BANDLAMUDI	178	59.33	1
BEDARAKOTA SRIKANTH	179	59.67	1
GUTTE AARYA PRAKASH	179	59.67	1
MAHINDRAKAR SHRIYA	179	59.67	1
A SUPRAJA	180	60.00	1
AATIF SUHAIB	180	60.00	1


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BHAGYA LAKSHMI MARPALLYGOLLA	180	60.00	1
MANIKONDA GOPI KRISHNA SAI	180	60.00	1
MEKALA SAI PRANEETH YADAV	180	60.00	1
NEELI MANEESH	180	60.00	1
CHALLA UDAY BABU	181	60.33	1
D NEHA	181	60.33	1
SINGI REDDY BHARGAVI	181	60.33	1
BODLAPATI NISHITHA	182	60.67	1
GOVINDU SRAVANTHI	182	60.67	1
LAYA KULKARNI	182	60.67	1
KARRA KRISHNA PRIYA CHOUHAN	183	61.00	2
POLA SANTOSH KUMAR	183	61.00	2
POTLA MEGHANA	183	61.00	2
BETHU LOHITHA LAKSHMI	184	61.33	2
KORUKONDA HARI KRISHNA SASTRY	185	61.67	2
BHISE YASH MANJULDAS	186	62.00	2
JINUKUNTLA SAHITHYA	186	62.00	2
M HARINDRA VARDHANREDDY	186	62.00	2
KODALI PRIYANKACHOWDARY	187	62.33	2
P S S KAUSTUBH JAIN	187	62.33	2
JONNA SHANMUKA SAI	188	62.67	2
GANGARAPU SURAKSHITHA	189	63.00	2
KALNE PARMESH BABARAO	190	63.33	2
YANGALI SATHWIKA	190	63.33	2
P AMRUTHA VARSHINI	191	63.67	2
PEDHITI SHIVA PRIYA REDDY	191	63.67	2
SANNIHITHA THALLAPALLY	191	63.67	2
TAMADA DEEPIKA	191	63.67	2
TANNERU BHANU TEJA	191	63.67	2
KETHIREDDY MANASWINI	192	64.00	2
BHUJBAL SIDDHESH DATTA	193	64.33	2
MULEVA SURESH CHOUDARY	193	64.33	2
SAYYED NAAZIYA FARHEEN	193	64.33	2
A PRAJWALIKA	194	64.67	2
DIRISINAPU SRI HARSHITHA	194	64.67	2
KANDAKATLA LIKHITHA	194	64.67	2
KOMPELLY BHARGAVI	194	64.67	2
SARMADA YELLAPRAGADA	194	64.67	2
CHALLA BRINDHA	195	65.00	2
MUBASHEERA SULTANA	195	65.00	2
NAYAB SAI VAMSHI	195	65.00	2
NEYSA TABITHA FERNANDES	195	65.00	2
RAMAVATH NAVEEN	196	65.33	2
GOREGAONKAR LAUKIK MANOJ	197	65.67	2
NABELA ARSHIYAN	197	65.67	2
A VENNELA	198	66.00	2
BANDIWAR SANJANA GAJANAN	198	66.00	2

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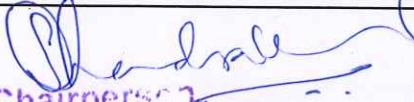
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BARASKAR TARANNUM HUSENSO	198	66.00	2
DUBBAKA UDAY KIRAN	198	66.00	2
GUGULOTHU GOPI	198	66.00	2
MUNDE AISHWARYA BABASAHEB	198	66.00	2
ANAM ADITYA REDDY	199	66.33	2
KOTHAGATTU VYSHNAVI	199	66.33	2
NUKALA NAGA VENKATA SAI JASVANTH	199	66.33	2
ANUGU GREESHMITHA	200	66.67	2
BEULAH EVANGELINE IRIGI	200	66.67	2
GUGULOTHU SHIRISHA	200	66.67	2
RESHMA IREM	200	66.67	2
SARUKOLLA JAHNAVI	200	66.67	2
V NAVYA SREE	200	66.67	2
ANNEDI NIRAJ	201	67.00	2
DEOKATE VARUN PRAKASH	201	67.00	2
MEGHANA POTHULA	201	67.00	2
PAYYAVULA BALACHANDRA SAI	202	67.33	2
SHANIGARAPU VENNELA	202	67.33	2
VEMUGANTI PRANEETH KUMAR	203	67.67	2
JANGA MANASVINI REDDY	204	68.00	2
UGGELLI NAVEEN REDDY	204	68.00	2
VUPPALAPATI VASHUKRISHNA	204	68.00	2
AMBALA RANJITH KUMAR	205	68.33	2
NANDAIHAGARI SAI PRAKASH	205	68.33	2
SANJANA GOURISHETTY	206	68.67	2
AKSHAYA ALLURI	207	69.00	2
KANDAGATLA VISHWANE RAJ	207	69.00	2
MEKA BHAWIN	207	69.00	2
MACHA ANJALI	208	69.33	2
GUNTI YASHWANTH	209	69.67	2
JANAMANCHI ADITHYA	209	69.67	2
KESHAVARAM EDIGAVARRUN TEJ GOUD	209	69.67	2
SAMALA TEJA TAPASWI	209	69.67	2
DOWPATI YAMINI	210	70.00	2
JANGA MADHU SREE	210	70.00	2
WARKARE SHIVANIOM PRAKASH	210	70.00	2
PUJARI SPANDITA BABURAO	211	70.33	2
UMMAT UR RAHEEMKULSOOM	211	70.33	2
AARYA MAHESH KOTHEKAR	212	70.67	2
DASYAM RISHIKA	212	70.67	2
S SUMANA	212	70.67	2
L VENKAT VAISHNAVI	213	71.00	2
BANOTHU JEEVANA JYOTHI	219	73.00	2
NANDIKA D	219	73.00	2
VALDASU LIKITHA	224	74.67	2
GUJJARU LUSIKA HASYA	225	75.00	2
NALAMASA CHARANI	225	75.00	2


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NAYAKA TULASI	225	75.00	2
JALAGAM PREMASUDAR SUPRIYA	226	75.33	2
RAMANABHOINA SRILAKSHMI	226	75.33	2
TYLAM VEERENDRA BABU	226	75.33	2
NISHITA PATWARDHAN	227	75.67	2
JYOTHIKA R CHANDRAN	228	76.00	3
MITHALI KANODIA	230	76.67	3
SAI SRI LAKSHMI SUGANDHI VADDI	232	77.33	3
JIVTODE NEHA DIPAK	238	79.33	3
LEVEL OF ATTAINMENT OF COURSE OUTCOME			1.59



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COURSE OUTCOMES - A.Y : 2022-23			
FIRST MBBS	SECOND MBBS	FINAL YEAR PART - 1	FINAL YEAR PART - 2
ANATOMY - 1.28	PATHOLOGY - 1.46	OPHTHALMOLOGY - 1.62	GENERAL MEDICINE - 1.76
PHYSIOLOGY - 1.47	MICROBIOLOGY - 1.42	ENT - 1.64	GENERAL SURGERY - 1.90
BIOCHEMISTRY - 1.59	PHARMACOLOGY - 1.54	SPM - 1.47	OBG - 2.07
		FORENSIC - 1.71	PAEDIATRICS - 1.87



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