



Midterm Evaluation Report **RMU Vision 2033**



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Preface by the Vice Chancellor

It gives me great pride and deep satisfaction to present the "**Mid Term Evaluation of the RMU Vision 2033**", a reflection of our journey from 2017 to 2024. This document represents not only a milestone in the timeline of Rawalpindi Medical University but also a testimony to the collective commitment, resilience, and unwavering dedication of our faculty, students, staff, and stakeholders.

When RMU was established in 2017, we laid the foundation of a bold and forward-looking strategic plan: *RMU Vision 2033*. This 15-year vision was designed to transform RMU into a hub of excellence in medical education, research, innovation, and community health. It was a roadmap drawn not only with ambition, but with a clear, actionable blueprint grounded in our values of integrity, service, and academic excellence.

Now, in 2025, we stand at the halfway mark of this transformative journey. The past eight years have been a period of remarkable growth and development. We have achieved several of our key targets, enhancing academic programs, fostering a culture of research, upgrading infrastructure, strengthening community outreach, and embracing digital transformation. This evaluation not only celebrates our progress but also provides a transparent and critical review of our ongoing efforts.

As we look ahead to 2033, this document will serve as a guide to realign our strategies, renew our focus, and reinforce our commitment to achieving the remaining goals of the vision. I commend the entire RMU community for their tireless contributions, and I am confident that, together, we will continue to lead with purpose and make RMU a model institution for medical education in Pakistan and beyond.

Let this midterm evaluation be both a moment of reflection and a call to further action. The journey continues—with renewed energy, steadfast vision, and collective resolve.

PROF. DR. MUHAMMAD UMAR

Vice Chancellor

Rawalpindi Medical University

May 2025

Foreword by MTE Team

It is with great honor and a deep sense of responsibility that I present this document, ***Mid Term Evaluation of the RMU Vision 2033***, which reviews the progress made by Rawalpindi Medical University (RMU) from its inception in 2017 through to the end of 2024. This midterm evaluation represents a critical milestone in the implementation of the university's long-term strategic plan.

Since the launch of *RMU Vision 2033*, the university has been driven by an ambitious agenda to transform into a leading center of excellence in medical education, research, innovation, and public service. Under the visionary leadership of the Vice Chancellor and through the dedicated efforts of our faculty, staff, students, and partners, the past eight years have seen substantial advancements in multiple key areas outlined in the original vision.

This evaluation was carried out with the goal of objectively assessing the achievements, identifying areas of strength, and recognizing the challenges that remain. It also aims to provide a foundation for informed decision-making as RMU enters the second half of its journey toward 2033. The process involved comprehensive consultations, data analysis, stakeholder feedback, and benchmarking against both national and international standards.

I extend my sincere gratitude to all team members who contributed to this evaluation and to every individual and department at RMU whose work is reflected in this report. It is our hope that this document will serve as both a record of progress and a catalyst for continued excellence, innovation, and impact.

With renewed purpose and collective resolve, we move forward, confident in our vision and committed to building a brighter future for medical education and healthcare in Pakistan.

PROF. DR. NAEEM AKHTAR & TEAM

Mid Term Evaluation Team

Rawalpindi Medical University

May 2025

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The Rawalpindi Medical University

Vision 2033

Executive Summary

Punjab is the second largest province of Pakistan after Baluchistan, having an area of 205,344 km². It is also the most populated province of the country with an estimated population of 101.4 million till 2015, which is around at least half of the population of Pakistan, if not more. It is also among the most literate provinces of Pakistan, with literacy rate reaching to 61% and 40% urbanization trend, stressing the importance of having quality educational institutions available to cater to the needs of ever increasing population and the demand for quality education.

Currently, as per the PMDC, in Punjab there are around 100 public and private sector medical & dental colleges. At the same time, out of 137 universities present in the Punjab, only 3 public sector Medical Universities exist that provide affiliation to these medical colleges. Even out of the 3 public sector medical universities, the burden of managing most of the medical & dental colleges, both in public sector and private sector, falls on the University of Health Sciences, which is present in Lahore, along with the other two Medical universities, i.e. King Edward Medical University & Fatima Jinnah Medical University.

Rawalpindi Medical University was established as Rawalpindi Medical College in 1974 and is one of the most renowned medical colleges not only in the Punjab but across the country as well, actively involved in not only the undergraduate teaching of MBBS students, but also the training and clinical teaching of M.Phil, M.S, M.D, FCPS & MCPS postgraduate trainees in various disciplines. Apart from that, the college is also providing teaching facilities to nursing and Allied Health Sciences students who are at present enrolled with the University of Health Sciences, Lahore, by virtue of its large, well-qualified & experienced faculty, and the attached hospitals for hands-on training of clinical sciences.

A total of about 7900 students have graduated from the college to date. These include 592 foreign nationals from Afghanistan, Bangladesh, Egypt, Iraq, Iran, Jordan, Kuwait, Libya, Malaysia, Nepal, Palestine, Saudi Arabia, Sri Lanka, Sudan, Syria, Yemen, Somalia, Dutch and Indian Occupied Kashmir. There are about 1400 Rawalpindis working in UK, USA, Australia, Canada, South Africa, Gulf and Far eastern countries.

The Students of Rawalpindi Medical College have not only been excellent academically but have also made us proud in extracurricular activities. We have a multitude of excellent athletes, debaters, poets, writers, and artists who have brought honour to the college by winning medals, colours and trophies in their respective fields.

There are three tertiary care hospitals attached to the college for clinical training namely Holy Family Hospital, Benazir Bhutto Hospital & District Headquarters Hospital with total bed strength of around 2000. The hospitals are helping to prepare professionals equipped to deliver the highest quality of health care services. Rawalpindi Medical College has produced some of the country's best medical graduates who have earned a name around the globe, not only for themselves but for their alma mater as well.



Rawalpindi Medical University



Allied Hospitals of RMU

Holy Family Hospital, Benazir Bhutto Hospital and District Headquarters Hospital along with three nursing schools are affiliated to and work under the managerial control of Rawalpindi Medical University.

The Rawalpindi Medical College, now upgraded as Rawalpindi Medical University, by the Government of Punjab, upon its establishment and recognition by the Higher Education Commission (HEC), will serve to improve the quality and standards of Health & Medical Education not only because of its available resources and faculty, but will also provide better affiliation and education opportunities to other medical & dental colleges of the region and the students alike.

Future Is “Possible”

The Rawalpindi Medical University aims to emerge with a vision to be not only a pioneer but also a trend setter and role model public sector medical university for others to follow, that is not only progressive, research oriented, imparting quality & state of the art health care &

diagnostic facilities to the public but also on major part financially self-reliant in a sustainable way. Our vision for the Rawalpindi Medical University compels us to strive for the excellence and stop at nothing but the best of the best.

As a part of this effort to ***Make the impossible; “Possible”***, the whole team of RMU is working under the guidance of the worthy & visionary founding Vice Chancellor of the Rawalpindi Medical College, Prof. Dr. Muhammad Umar; who conceived the dream of making RMU stand among the top most universities of Pakistan and the world; to plan the

Strategic Framework For Development Of Rawalpindi Medical

University as an example of how to turn dreams into reality, set milestone based goals of development of infrastructure of research based medical education and provision of health care services to the people of the

Pakistan. This document is just a glimpse of that very vision called the “**RMU Vision 2033**”, showing how the team is planning to bring life to the vision which includes establishment of multiple centers of excellence in various fields of medical & allied specialties and super-specialties not presently existing under one umbrella in any of the public and private medical universities, coupled with a **750 bedded State-Of-The-Art University Hospital** to deliver to the ailing public of Pakistan, and an **International Medical College** for the expatriates to facilitate them for contributing to the development & progress of Pakistan.

Some of the envisioned centers of excellence that will be surrounding the new university hospital, to be situated at the “Rakh Dhamyal” area of Rawalpindi, where the Rawalpindi Medical University owns around 900 kanals of land, include **Institute of Emergency Medicine, Institute of Pathology, Institute of Allied Health Sciences,**

Institute of Gastroenterology & Liver transplant, Institute of Bone

Marrow transplantation, Institute of Public Health Policy & Management etc., each of which is being carefully planned in consultation with experts in the respective fields, to meet the requirements of the future and be a role model for other public and private sector institutes.

The Vision

The Rawalpindi Medical University aims to emerge as a leading ***Research Intensive Medical University*** in Pakistan, comparable to the top universities of the world within the next 15 years. It will be a comprehensive, residential institution, with a state of the art 700 bed University Hospital, responsive to healthcare needs of the nation, dedicated centers of excellence in relevant specialties committed to international standards of patient care and medical education. The university will fulfill its responsibility of graduating culturally enlightened, technically sound, academically competent, and research oriented productive physicians/scientists who are prepared to lead, to inspire, and to serve humanity. The university commits itself and all its resources to this trust and responsibility.

The Mission

The Rawalpindi Medical University with its progressive and innovative outlook, striving to be a modern multi-disciplinary center of excellence for research and education to achieve excellence in patient care and health-equity, will continue to offer quality yet accessible higher education not only in traditional fields of medicine but also in emerging and cutting edge healthcare sciences and public health approaches, in order to meet the national needs. It will acquire and retain faculty, known for its commitment to creation, innovation, and application of knowledge and will provide **Evidence Based Healthcare Services** tailored to national needs, challenging educational and cultural environment for students selected purely on merit to acquire high professional competency, and to refine their ability to reason and to communicate freely and clearly so as to become responsible, morally equipped, moderate and well groomed citizens of a diverse world.

Strategic Goals

The strategic goals of RMU are:

- i) To develop into a Centre of Excellence by establishing a state of the art Research based University for advanced & evidence based health care, research and educational facilities.
- ii) To go beyond the traditional healthcare services by inculcating the spirit of innovation, creativity and entrepreneurship, and taking public health perspectives for prevention of disease and promotion of health-equity in our nation.

- iii) To emerge as a leader in Medical Education and Research, tailored to the healthcare needs of our nation in order to promote health equity and universal health coverage.

RMU - TODAY

Rawalpindi Medical College, since its inception has already emerged as a premier institution of medical education in undergraduate and post graduate medical training, recognized nationally and internationally. Upgradation of RMC to RMU presents an unprecedented opportunity to establish higher new norms in public sector in medical education, research, training and patient services by building upon these links and linkages.

Culture Of Research

The culture of research is borne in the roots of Rawalpindi Medical University, since it was Rawalpindi Medical College. The importance of research has always been emphasized at every level, may it be for our faculty, post-graduate students or the undergraduate students as the key to success in meeting the challenges of the future. The clear evidence of this vision & culture of research is present in form of numerous publications by the faculty members &

United For Progress

students apart from RMU's very own research journal, the Rawal Medical Journal and the student research journals, that are being published regularly. The same vision has led to successful holding of two International Scientific Conferences during the last 3 years with overwhelming participation from all over the globe. Each of the scientific conferences also boasted numerous well planned workshops and scientific sessions to provide up-to-date knowledge to the participants. In order to encourage the future researchers, competitions were also held for presentation best research work for the postgraduate & undergraduate students.

Keeping the same spirit of research alive, with upgradation of RMC to RMU, the need for a state-of-the-art research lab, capable of meeting the needs of all sorts of medical research even at Doctoral level was realized and the development work was immediately started under the guidance and with personal efforts of the Vice Chancellor, Prof. Muhammad Umar and his team, as one of the very first projects under the flag of the Rawalpindi Medical University. The research lab will also be accompanied by an animal house and residential arrangements for the post-graduate students to facilitate that the research work can be done round the clock.

The Rawalpindi Medical University is **envisioned to be a researchintensive university** with the core focus to develop indigenous models of research and education to inform the development of equitable (accessible, quality and cost-effective), comprehensive, integrated, locally responsive, and sustainable evidence based services. RMU will achieve this by developing and promoting public-private partnerships with academia, policy think tanks, non-government organizations and global experts.

The Rawalpindi Medical University holds the honor of having a vast number of Rawalians excelling in the field of medical sciences around the globe, sharing a common vision of paying-back to their alma mater and seeing it flourish and progress. The Rawalians or the alumni of the Rawalpindi Medical College wherever they are, have always stood shoulder to shoulder with the faculty and administration of Rawalpindi Medical University in providing the technical, educational & monetary contributions to RMC, now RMU. It is a part of our vision to improve and enhance this cooperation between the Rawalians around the globe to establish the identity and status of the Rawalpindi Medical University as a world-class university comparable to the best universities of the world, with the help of our alumni.

The Rawalpindi Medical University since the time it was Rawalpindi Medical College, has always served as the focal point for coordination and cooperation between its alumni settled and serving around not only in Pakistan but around the globe. Due to this affiliation and sense of bondage of the Rawalians with their alma mater even after they step into the practical lives, the Rawalpindi Medical University has a strong network of its well wishers or the alumni who are always willing to step forward in providing all sorts of technical, social, moral & financial support to payback their alma mater. The support and the donations of the alumni associations of Rawalians, including that of USA, UK, Australia etc., have not only helped in upraising the standards of technical facilities but have also contributed a lot in voluntary provision of quality education to the young Rawalians in various fields.

Student Strength

The present student strength of the university is as under:

Category	Strength
MBBS Students	1669
FCPS Trainees	400
M.Phil Trainees	12
MS/MD Trainees	50
Nursing Students	300
Allied Health Sciences Students	392
Total	2823

Faculty Strength

There are presently a total of 276 faculty members employed at RMU, having postgraduate qualifications including PhD, M.Phil, MS, MD, FCPS, MCPS or equivalent degrees, from local/ foreign universities etc.

Qualifications	Strength
MBBS or Equivalent	59
FCPS / MD / MS	192
M.Phil or Equivalent	19
Ph.D	01
Foreign Qualified	05
Total	276

Present faculty strength with reference to designations is as follows

Designation	Strength
Professors	26
Associate Professors	14
Assistant Professors	72
Senior Lecturers / Senior Demonstrators	43

Senior Registrars	102
Lecturers /Demonstrators	19
Total	276

Faculties/Programs

Presently, academic programs being offered, at RMU are as under:

S.No.	Faculty	Undergraduate Programs	Postgraduate Programs	
			CPSP	University
01	Basic Sciences & Diagnostics	MBBS	FCPS (Hematology) FCPS (Histopath.) FCPS (Physiology) FCPS & MCPS (Radiology)	M.Phil (Microbiology) MD (Radiology)
02	Community Medicine & Public Health	MBBS	FCPS & MCPS	---
03	Medicine and Allied subjects	MBBS	FCPS & MCPS (Medicine) FCPS & MCPS (Psychiatry) FCPS & MCPS (Dermatology)	MD (Medicine) MD (Gastro) M.Phil (Behavioral Sciences)
04	Surgery and Allied Subjects	MBBS	FCPS & MCPS (General Surgery) FCPS (Urology) FCPS & MCPS (Anaesthesia)	M.S. (Surgery) M.S. (Urology)
05	Gynaecology & Obstetrics	MBBS	FCPS & MCPS	M.S. (Gynae/Obs)
06	Paediatrics	MBBS	FCPS & MCPS	MD (Paeds)
07	ENT, Eye	MBBS	FCPS & MCPS (ENT) FCPS & MCPS (Ophthalmology)	M.S. (ENT) M.S. (Ophthalmology)
08	Orthopaedics & Trauma (Orthopaedics, Neurosurgery, Trauma)	MBBS	FCPS (Ortho) FCPS (Neurosurgery)	M.S. (Ortho)

09	Allied Health Sciences	DPT B.Sc. Hons. (MLT) B.Sc. (MIT) B.Sc. (Orthotics) B.Sc. (Optometry)	---	---
10	Nursing	B.Sc. (Nursing) Diploma in Nursing Diploma Midwifery	---	---

RMU BY 2023

Student Strength

The student strength of the university as envisioned in 2023 is as under:

Faculty Strength

Category	Strength
MBBS students	1750
BDS students	100
FCPS trainees	400
M.Phil trainees	100
MS/MD trainees	400
Ph.D	20
D. Pharm students	100
Nursing Students	500
Allied Health Sciences Students	600

Total	3970
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The faculty strength as envisioned in 2023 is as follows:

Qualifications	Strength
MBBS or Equivalent	30
FCPS / MD / MS	250
M.Phil or Equivalent	75
Ph.D	35
Foreign Qualified	15
Total	405

Faculty strength with reference to designations in 2023 is anticipated as follows

Designation	Strength
Professors	40
Associate Professors	50
Assistant Professors	100
Senior Lecturers / Senior Demonstrators	70
Senior Registrars	130
Lecturers /Demonstrators	15
Total	405

Faculties/Programs

Academic programs planned to be offered at RMU by 2023 are as under:

S.No.	Faculty	Undergraduate Programs	Postgraduate Programs	
			CPSP	University

01	Basic Sciences & Diagnostics	MBBS	FCPS (Hematology) FCPS (Histopath.) FCPS (Physiology) FCPS & MCPS (Radiology)	Ph.D (Microbiology) MD (Hematology) M.Phil (Microbiology) M.Phil (Hematology) M.Phil (Histopathology) M.Phil (Chemical Pathology) M.Phil (Anatomy) M.Phil (Physiology) M.Phil (Biochemistry) D. Pharm & M.Phil (Pharmacology) MD (Radiology) M.S. / M. Phil (Ultrasound / Clinical radiology / Medical Physics)
	Community	MBBS	FCPS & MCPS (Community Med.)	M.Phil (Community Med.)
	Medicine & Public Health			MSPH M.Sc. Nutrition M.Sc. Environmental Health MPH (occupational health / industrial hygiene) M.Phil & DMJ (Forensic Medicine)

03	Medicine and Allied subjects	MBBS	FCPS & MCPS (Medicine) FCPS & MCPS (Psychiatry) FCPS & MCPS (Dermatology) FCPS (Cardiology)	MD (Medicine) MD (Gastro) MD (Pulmonology) MD (Psychiatry) 2 Yrs. Fellowship / MSc / Post. Grad diploma / Diploma (Global Mental Health) M.Phil (Behavioral Sciences) MD (Dermatology) MD, Dip Card (Cardiology) Diploma in Pulmonary Medicine (DPM)
04	Surgery and Allied Subjects	MBBS	FCPS & MCPS (General Surgery) FCPS (Urology) FCPS (Urogynecology) FCPS & MCPS (Anaesthesia) FCPS (Plastic Surgery) FCPS (Paediatric Surgery)	M.S. (General Surgery) M.S. (Urology) M.S. & DA (Anaesthesia) M.S. (Pain Management) M.S. (Plastic Surgery) M.S. (Paediatric Surgery)
05	Gynaecology & Obstetrics	MBBS	FCPS & MCPS	M.S. (Gynae/Obs)
06	Paediatrics	MBBS	FCPS & MCPS	MD & DCH
07	ENT, Eye	MBBS	FCPS & MCPS (ENT)	M.S. (ENT)

			FCPS & MCPS (Ophthalmology)	M.Phil & DLO (ENT) M.S. (Ophthalmology) DOMS (Ophthalmology)
08	Orthopaedics & Trauma (Orthopaedics, Neurosurgery, Trauma)	MBBS	FCPS (Ortho) FCPS (Neurosurgery)	M.S. (Ortho) M.S. (Neurosurgery)
09	Allied Health Sciences	DPT B.Sc. Hons. (MLT) B.Sc. (MIT) B.Sc. (Orthotics) B.Sc. (Optometry)		M.Phil (Medical Lab Sciences including Microbiology / Molecular Biology / Virology / immunology / immuno-hematology / hematology / Chemical Pathology / Histopathology etc.) M.Phil (Optometry / Orthoptics)
10	Nursing	B.Sc. (Nursing) Diploma in Nursing Diploma in Midwifery		M.Sc. (ICU, CCU, OT, etc.)

Note: New programs are mentioned in Red.

RMU BY 2028

Student Strength

The anticipated student strength of the university by year 2028 is as under:

Category	Strength
MBBS students	1750
International Medical College Students	100
BDS students	500
FCPS trainees	400
M.Phil trainees	150
MS/MD trainees	400

Ph.D	100
D. Pharm students	500
Nursing Students	500
Allied Health Sciences Students	800
Total	5200

Faculty Strength

The anticipated faculty strength by year 2028 is as follows:

Qualifications	Strength
MBBS or Equivalent	20
FCPS / MD / MS	300
M.Phil or Equivalent	125
Ph.D	85
Foreign Qualified	33
Total	563

Faculty strength with reference to designations in 2028 is anticipated as follows

Designation	Strength
Professors	60
Associate Professors	100
Assistant Professors	150
Senior Lecturers / Senior Demonstrators	85
Senior Registrars	160
Lecturers / Demonstrators	8
Total	563

Faculties/Programs

By year 2028, following academic programs will be offered at RMU:

S.No.	Faculty	Undergraduate Programs	Postgraduate Programs	
			CPSP	University
01	Basic Sciences & Diagnostics	MBBS	FCPS (Hematology)	Ph.D, M.Phil & MD (Microbiology)
			FCPS (Histopath.)	Ph.D, M.Phil, MD (Hematology)
			FCPS (Physiology)	Ph.D, M.Phil, MD (Histopathology)
			FCPS & MCPS (Radiology)	Ph.D, M.Phil, MD (Chemical Pathology)
			FCPS (Chemical Pathology)	Ph.D & M.Phil (Anatomy)
			FCPS & MCPS (Pharmacology)	Ph.D & M.Phil (Physiology)
				Ph.D & M.Phil (Biochemistry)
02	Community Medicine & Public Health	MBBS	FCPS & MCPS (Community Medicine)	Ph.D, M.Phil & MSPH
				M.Sc. Nutrition
				M.Sc. Environmental Health
				MPH (occupational health / industrial hygiene)
				M.Phil & DMJ (Forensic Medicine)

03	Medicine and Allied subjects	MBBS	FCPS & MCPS (Medicine) FCPS & MCPS (Psychiatry) FCPS & MCPS (Dermatology) FCPS (Cardiology)	MD(Medicine) MD (Gastro) MD (Psychiatry) 2 Yrs. Fellowship / MSc / Post. Grad diploma / Diploma (Global Mental Health) M.Phil (Behavioral Sciences) MD (Dermatology) MD, Dip Card (Cardiology) MD & Diploma in Pulmonary Medicine (DPM)
04	Surgery and Allied Subjects	MBBS	FCPS & MCPS (General Surgery) FCPS (Urology) FCPS (Urogynecology) FCPS & MCPS (Anaesthesia) FCPS (Plastic Surgery) FCPS (Paediatric Surgery)	M.S. (General Surgery) Ph.D, & M.S. (Urology) M.S. (Urogynecology) M.S. & DA (Anaesthesia) M.S. (Pain Management) M.S. (Plastic Surgery) M.S. (Paediatric Surgery)
05	Gynaecology & Obstetrics	MBBS	FCPS	M.S. (Gynae/Obs)
06	Paediatrics	MBBS	FCPS & MCPS (Paeds)	MD & DCH (Paeds) MD (Neonatology, Pediatric Nephrology, Pediatric Endocrinology, Pediatric Cardiology)

07	ENT, Eye	MBBS	FCPS & MCPS (ENT) FCPS & MCPS (Ophthalmology)	M.S. (ENT) M.Phil & DLO (ENT) Post M.S / FCPS Fellowship (Otology / Rhinology / Laryngology / Audiology / Speech Therapy) M.S. (Ophthalmology) DOMS (Ophthalmology)
08	Orthopaedics & Trauma (Orthopaedics, Neurosurgery, Trauma)	MBBS	FCPS (Ortho) FCPS (Neurosurgery)	M.S. (Ortho) M.S. (Neurosurgery)
09	Dentistry	BDS	---	---
10	Allied Health Sciences	DPT B.Sc. Hons. (MLT) B.Sc. (MIT) B.Sc. (Orthotics) B.Sc. (Optometry)	---	M.Phil (Medical Lab Sciences including Microbiology / Molecular Biology / Virology / immunology / immunohematology / hematology / Chemical Pathology / Histopathology etc.) M.S (Prosthetics / Spinal Orthotics / Upper Limb biomechanics) M.S. (Rehabilitation) M.Phil (Optometry / Orthoptics)
11	Nursing	B.Sc. (Nursing) Diploma in Nursing Diploma in Midwifery	---	M.Sc. (ICU, CCU, OT, etc.)

Note: New programs are mentioned in *Red*.

Student Strength

The anticipated student strength of the university by year 2033 is as under:

Category	Strength
MBBS students	1750
International Medical College Students	5000
BDS students	500
FCPS trainees	400
M.Phil trainees	250
MS/MD trainees	400
Ph.D	200
D. Pharm students	500
Nursing Students	500
Allied Health Sciences Students	1000
Total	6000

Faculty Strength

The anticipated faculty strength by year 2033 is as follows:

Qualifications	Strength
MBBS or Equivalent	0
FCPS / MD / MS	375
M.Phil or Equivalent	165
Ph.D	125
Foreign Qualified	40
Total	705

Faculty strength with reference to designations in 2033 is anticipated as follows

Designation	Strength
Professors	75
Associate Professors	140
Assistant Professors	190
Senior Lecturers / Senior Demonstrators	100
Senior Registrars	200
Lecturers /Demonstrators	0
Total	705

Faculties/Programs

By year 2033, following academic programs will be offered at RMU:

S.No.	Faculty	Undergraduate Programs	Postgraduate Programs	
			CPSP	University

01	Basic Sciences & Diagnostics	MBBS	FCPS (Hematology)	Ph.D, M.Phil & MD (Microbiology)
			FCPS (Histopath.)	Ph.D, M.Phil, MD (Hematology)
			FCPS (Physiology)	Ph.D, M.Phil, MD (Histopathology)
			FCPS & MCPS (Radiology)	Ph.D, M.Phil, MD (Chemical Pathology)
			FCPS (Chemical Pathology)	Ph.D & M.Phil (Anatomy)
			FCPS & MCPS (Pharmacology)	Ph.D & M.Phil (Physiology)
				Ph.D & M.Phil (Biochemistry)
				Ph.D, M.Phil & D. Pharm(Pharmacology)
				MD (Radiology)
				M.S. / M. Phil Leading to Ph.D (Ultrasound / Clinical radiology / Medical Physics / Nuclear Medicine / Molecular Imaging / Post Mortem Radiology)
02	Community Medicine & Public Health	MBBS	FCPS & MCPS (Community Medicine)	Ph.D, M.Phil & MSPH
				M.Sc. Nutrition
				M.Sc. Environmental Health
				MPH (occupational health / industrial hygiene)
				M.Phil & DMJ (Forensic Medicine)

03	Medicine and Allied subjects	MBBS	FCPS & MCPS (Medicine) FCPS & MCPS (Psychiatry) FCPS & MCPS (Dermatology) FCPS (Cardiology)	MD(Medicine) MD (Gastro) MD (Psychiatry) Ph.D / 2 Yrs. Fellowship / MSc / Post. Grad diploma / Diploma (Global Mental Health) Ph.D & M.Phil (Behavioral Sciences) MD (Dermatology) MD, Dip Card (Cardiology) MD & Diploma in Pulmonary Medicine (DPM)
04	Surgery and Allied Subjects	MBBS	FCPS & MCPS (General Surgery) FCPS (Urology) FCPS (Urogynecology) Post MS/FCPS Fellowships in Urolithiasis / Endourology / Renal Transplantation / Uro-Oncology / Pediatric Urology / Reconstructive Urology / Female Urology FCPS & MCPS (Anaesthesia)	M.S. (General Surgery) Ph.D, & M.S. (Urology) M.S. (Urogynecology) Post MS/FCPS Fellowships in Urolithiasis / Endourology / Renal Transplantation / Uro-Oncology / Pediatric Urology / Reconstructive Urology / Female Urology M.S. & DA (Anaesthesia)

			FCPS (Plastic Surgery)	Ph.D & M.S. (Pain Management)
			FCPS (Paediatric Surgery)	M.S. (Plastic Surgery)
				M.S. (Paediatric Surgery)
05	Gynaecology & Obstetrics	MBBS	FCPS	M.S. (Gynae/Obs)
06	Paediatrics	MBBS	FCPS & MCPS (Paeds)	MD & DCH (Paeds)
				MD (Neonatology, Pediatric Nephrology, Pediatric Endocrinology, Pediatric Cardiology)
07	ENT, Eye	MBBS	FCPS & MCPS (ENT)	M.S. (ENT)
			Post M.S / FCPS Fellowship (Otology / Rhinology / Laryngology / Audiology / Speech Therapy)	M.Phil & DLO (ENT)
			FCPS & MCPS (Ophthalmology)	Post M.S / FCPS Fellowship (Otology / Rhinology / Laryngology / Audiology / Speech Therapy)
			2 Year Fellowships in Vitreoretinal Surgery / Pediatric Ophthalmology / Oculoplasty & Orbit / Cornea / Diagnostic Ophthalmology / Glaucoma	M.S. (Ophthalmology)
				DOMS (Ophthalmology)
				2 Year Fellowships in Vitreoretinal Surgery / Pediatric Ophthalmology / Oculoplasty & Orbit / Cornea / Diagnostic Ophthalmology / Glaucoma
				Ph.D in Community Ophthalmology
08	Orthopaedics & Trauma (Orthopaedics, Neurosurgery, Trauma)	MBBS	FCPS (Ortho)	M.S. (Ortho)
			FCPS (Neurosurgery)	M.S. (Neurosurgery)

09	Dentistry	BDS	---	---
10	Allied Health Sciences	DPT B.Sc. Hons. (MLT) B.Sc. (MIT) B.Sc. (Orthotics) B.Sc. (Optometry)	---	Ph.D & M.Phil (Medical Lab Sciences including Microbiology / Molecular Biology / Virology /

				immunology / immunohematology / hematology / Chemical Pathology / Histopathology etc.) M.S (Prosthetics / Spinal Orthotics / Upper Limb biomechanics) M.S. (Rehabilitation) followed by Ph.D Ph.D & M.Phil (Optomerty / Orthoptics)
11	Nursing	B.Sc. (Nursing) Diploma in Nursing Diploma in Midwifery	---	M.Sc. (ICU, CCU, OT, etc.) Ph.D (Nursing)

Note: New programs are mentioned in *Red*.

To translate our Vision and Mission into reality and to take care of the relevant requirements, a goal oriented strategic plan has to be chalked out which is flexible, particularly as far as the sequencing of the projects is concerned, and will be biennially updated based on future requirements. The projects to be included in this plan will cover the categories which are aligned to the 15 years' vision of RMU.



RMU Strategic Vision

INFRASTRUCTURE

DEVELOPMENT

In its present form, the Rawalpindi Medical University consists of 2 campuses in Rawalpindi, one at the Tipu road and the other at the Holy Family Hospital. The Tipu road campus is being further developed to act as the hub of the research and post-graduate activities, while the Holy Family Hospital campus constitutes the facilities related to undergraduate medical studies. A massive project of infrastructure development has already started to upgrade and enhance the existing infrastructure to meet the requirements of the university.

This includes not only the development of the University secretariat but also the revamping of the existing infrastructure. A major step in this development project is the establishment of a dedicated research lab for advanced postgraduate studies, aimed to be functional round the

clock for the researchers to carry out the research work without any limitations. The research lab will have an adjacent residential facility for the researchers to enable them to conduct their research with full concentration and peace of mind.



Rawalpindi Medical University

Given below is the strategic plan indicating the estimated cost and implementation period, which will be executed on allocation of funds, based on formal approval of PC-1s initiated for each of these projects separately:

INFRASTRUCTURE DEVELOPMENT PHASE 1 (2018-22) RAWALPINDI MEDICAL UNIVERSITY				
S. No.	Project Title	Approx. Cost in Rs.	Source of Funding	Expected Completion
1.	*Modern lecture theater for undergraduates	90	ADP Punjab	12/18
2.	*Establishment of RMU secretariat including Examination Department, QEC, Registrar Office	20	Own Resources	12/18
3.	*Establishment of IT Department	30	Own Resources	12/18
4.	Renovation of existing undergraduate departments	50	Own Resources	06/19

5.	Renovation & up gradation of libraries	40	Own Resources	06/19
6.	Digitalization of University Campus	150	Federal PSDP	12/19
7.	Establishment of modern RMU research and animal lab	438	Federal PSDP	12/22
8.	Advance skill simulator and virtual lab	407	Federal PSDP	12/22
9.	Postgraduate Hostels and Examiners guest House	44	Federal PSDP	12/22
10.	CLD Research Center	197	Federal PSDP	12/22
11.	Clinical Trial Unit	12	Federal PSDP	12/22
12.	Establishment of Dept. of Molecular Biology & Department of Virology & Immunology	300	ADP Punjab	12/23
13.	Institute of Emergency Medicine	200	ADP Punjab	12/23
14.	Institute of Allied Health Sciences	300	ADP Punjab / Own Resources	12/23
Total		Rs. 2278 million (approx.)		

To cater the future academic & research needs of the students of RMU and to further broaden the avenues of development in the fields of health sciences, it is a part of our vision to establish a new campus of the Rawalpindi Medical University, that should be set on the modern standards to meet the challenges and requirements of the future, under the flag of **RMU Medical City Project**. The site for the new campus is Rakh Dhamyal area of the Rawalpindi District, spanning to an area of around 900 Kanals.

The new campus at the RMU Medical City is envisioned as a modern campus with an array of facilities and institutes. Apart from the new university secretariat, it will also host a new state of the art 750 bedded university hospital with super-specialties focusing in research based health care delivery model. Apart from the hospital, development of numerous institutes for enhanced health care services and research in various specialties is among the top priorities so that the university can contribute to the development of health sciences in a true sense as a leader.



The RMU Medical City Project

Given below is the strategic plan indicating the estimated cost and implementation period, which will be executed on allocation of funds, based on formal approval of PC-1s initiated for each of these projects separately:

INFRASTRUCTURE DEVELOPMENT PHASE 2 (2023-33) RMU MEDICAL CITY PROJECT

S. No.	Project Title	Approx. Cost in Rs.	Source of Funding	Expected Completion
1.	Institute of Dentistry	600	PSDP/ADP	12/23
2.	Institute of Pharmaceutical Sciences	600	PSDP/ADP	12/23
3.	Institute of Gastroenterology and Liver transplant along with Institute of Urology, Rwp.	4000	ADP Punjab	12/23
4.	International Medical College	1500	PSDP	12/27
5.	Institute of Diagnostic Imaging	800	PSDP/ADP	12/27
6.	Establishment of New Campus of Rawalpindi Medical University at Rawalpindi Medical City, Rakh Dhamial, Adyala Road, Rwp.	1000	PSDP	12/28
7.	1000 Bed University Hospital with super-specialties focusing on research based health services delivery	7000	PSDP/ADP	12/28
8.	Institute of Pathology	4000	PSDP/ADP	12/28
9.	Institute of Microbiology & Infectious diseases	1000	PSDP/Donor Agencies	12/28
10.	Institute of Public Health Policy and Management	200	Donor Agencies	12/28
11.	Institute of Physical Rehabilitation & Sports medicine	400	PSDP / Donor Agencies	12/33
12.	Institute of Ophthalmology / Community ophthalmology	650	PSDP /ADP / Donor	12/33
13.	Institute of Otolaryngology	700	PSDP /ADP / Donor	12/33
14.	Institute of Bone Marrow Transplantation	600	PSDP /ADP	12/33
15.	Institute of Oncology	4000	PSDP /ADP / Donor	12/33
Total		Rs.27050 million (approx.)		

The requirement of 15 years in blocks of 05 years each is as follows:

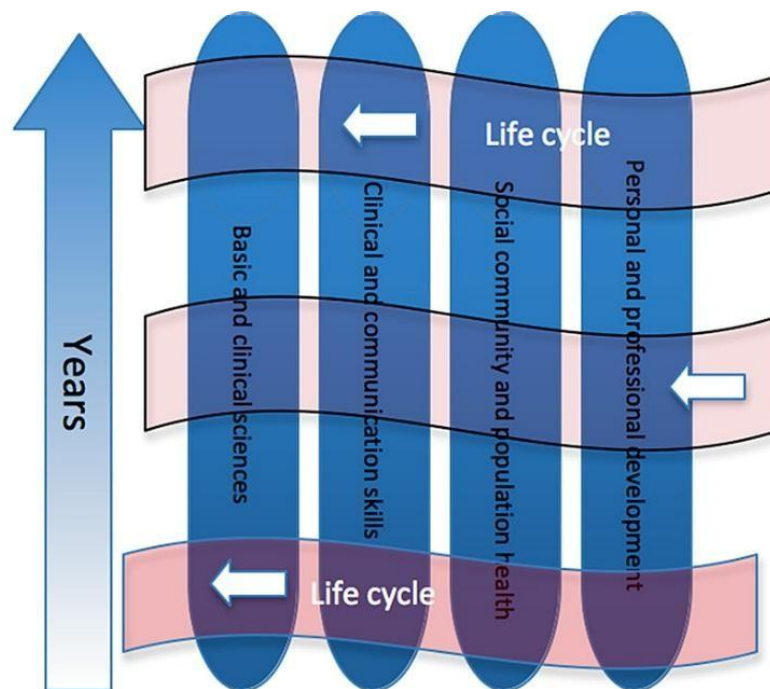
Head	Approx. Funding (Rs in Million)
------	------------------------------------

	First 5 Years	Second 5 Years	Third 5 Years
Civil Works	5838	6220	3090
Equipment	622	5580	2830
HRD	300	350	540
Books/Journals etc.	50	250	60
Misc.	60	-	-
SOURCES			
Self-Generation	556	500	550
HEC / Govt.	2158	4300	1750
ADP Punjab	7100	7500	2650
Donor Agencies		700	1400

In case of any funding support from the Donors, the above requirements will be reduced accordingly.

CURRICULUM DEVELOPMENT

Considering the need of the time, at RMU, we have embarked on the mission to revise and update the curriculum of our undergraduate as well as postgraduate programs, to enable our students and post graduate researchers to keep abreast with the latest developments and be able to further excel in their future. The whole curriculum is being carefully revised in consultation with a team comprising of experts from the field of medical education and subject specialists to ensure that the mode of teaching as well as the content is in accordance with the current practices in the modern world. As part of this project, the undergraduate curriculum of the MBBS is also being shifted from the conventional system to a much more practical integrated modular curriculum, focusing on synchronous & comprehensive professional development.



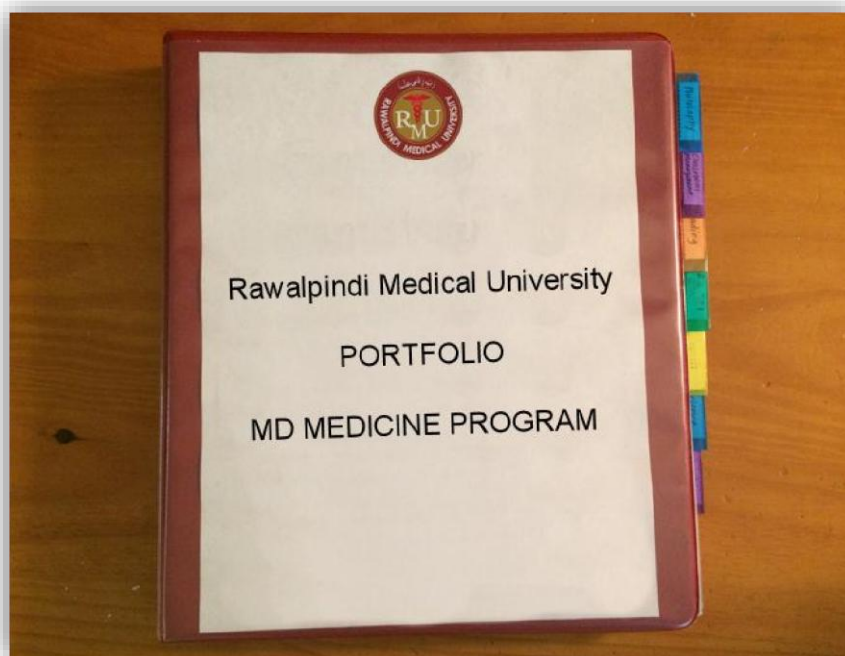
Spiral Integrated Curriculum Model

(An adaptation from the Harden's & Stamper's Spiral Curriculum model *)

*Harden RM, Stamper N: What is a spiral curriculum? *Medical Teacher* 21(2):141-143, 1999.

STRUCTURED PG TRAINING

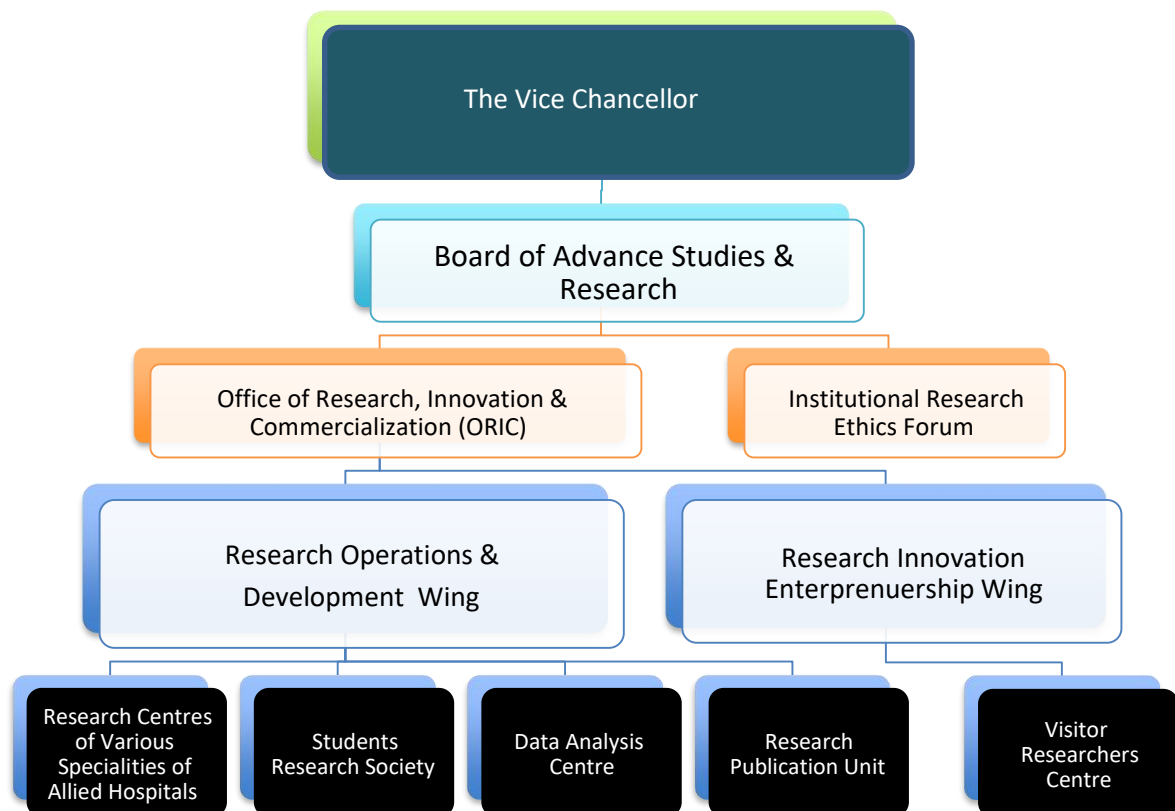
Apart from the upgradation and development of curriculum, another important reform being done is the introduction of ***Structured Postgraduate Training System*** for all the postgraduate programs under the university including Ph.D, MS, MD, M.Phil etc. The whole tenure of training has been divided into modules and core areas of training have been demarcated for each module. The supervisors, co-supervisors and the mentors will ensure that all the candidates acquire the required level of competency for each module. This will enable in improving the quality of training as well as ensure the uniformity in training system, eliminating the disparity in training of candidates due to different supervisors. Unlike the previous in-practice training system, the candidates will also undergo constant monitoring in the form of log book & portfolio with formative assessment throughout their training period along with stringent assessment & evaluation.



Aiming to be a research intense university, with a vision to promote true and innovative research in the field of health sciences, as well as focusing on its research activities as a mode of self-sustainability; at Rawalpindi Medical University, we are in process of developing a comprehensive framework of promoting, monitoring and evaluating research. This framework,

called the “*RMU Research Model*”, defines the pattern through which any research activity in RMU will be monitored or supported to enhance the quality of research work being done at RMU, or to utilize it in the self-sustainability program of the RMU.

RESEARCH & DEVELOPMENT SELF SUSTAINABLE MODEL



RMU Research Model

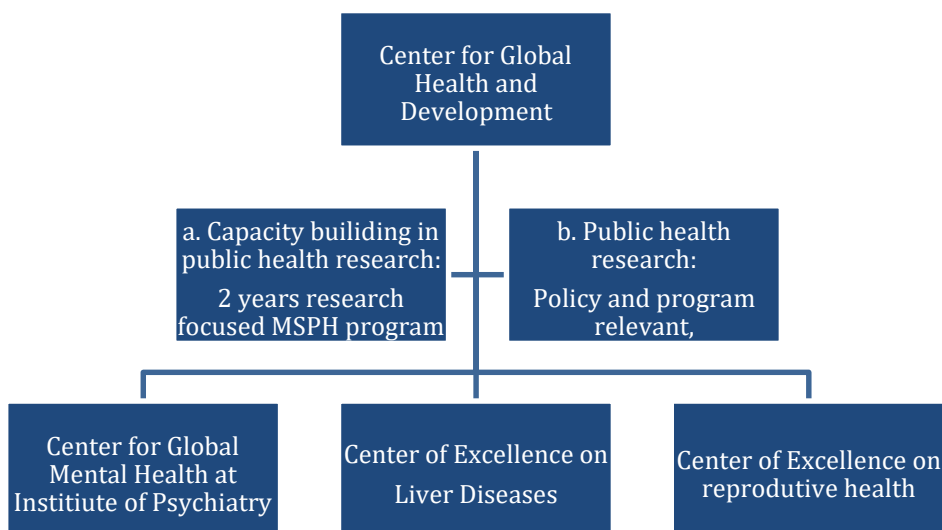
RMU Community Research Vision 2033

A research-intensive university with the core focus to develop indigenous models of research and education to inform health service. RMU will develop and promote public-private partnerships with academia, policy think-tanks, non-government organizations and global experts to develop models of research, education and services sensitive to local needs and responsive to local realities.

RMU Community Research Model

Partnerships & Collaborations --- *The Guiding Principle of RMU Research Model.*

To realize the vision of Universal Health Coverage (UHC) in district Rawalpindi, RMU will collaborate with the District Health Authority (DHA)-district health department Rawalpindi, national and provincial ministries of health, international and national-public and private-health policy, implementation, academic, funding partners and RMC alumni to conduct operational, implementation, health policy and system research to inform service. This will be achieved by signing MOUs with relevant bodies over next decade.

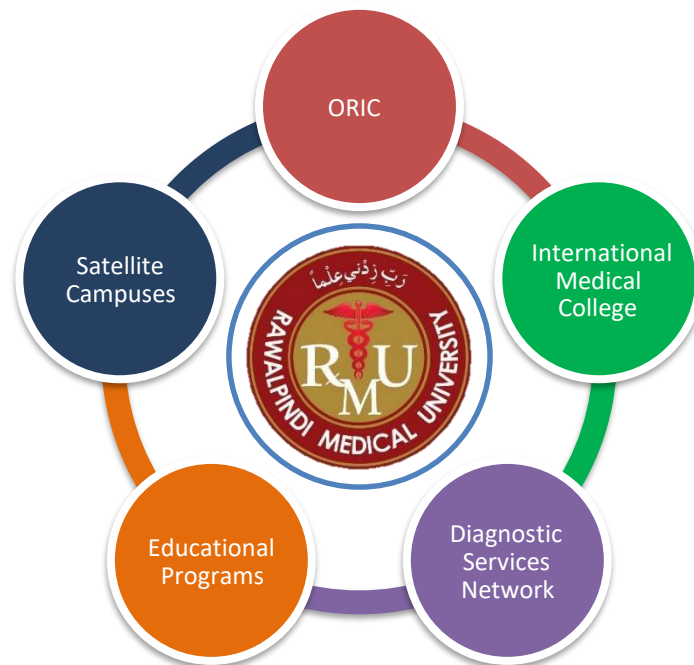


Conceptual diagram for CGH at RMU

SELF SUSTAINABLE MODEL

The university is focusing on developing a *Self-Sustainable Model* for its financial needs to progress without full dependency on the

Government's resources for funding its research needs and developing further projects and infrastructure. The strategic planning for this self-sustainable model includes the following measures:



The Self-Sustainability Model

International Medical College

College

A part of this model is establishment of International Medical College by end of 2028 which will cater exclusively to the needs of foreign national and Pakistani expatriates, on self-financed basis, especially the children of former Rawalpindi Medical University established in foreign countries. This will earn the university valuable foreign exchange.

Diagnostic Services Network

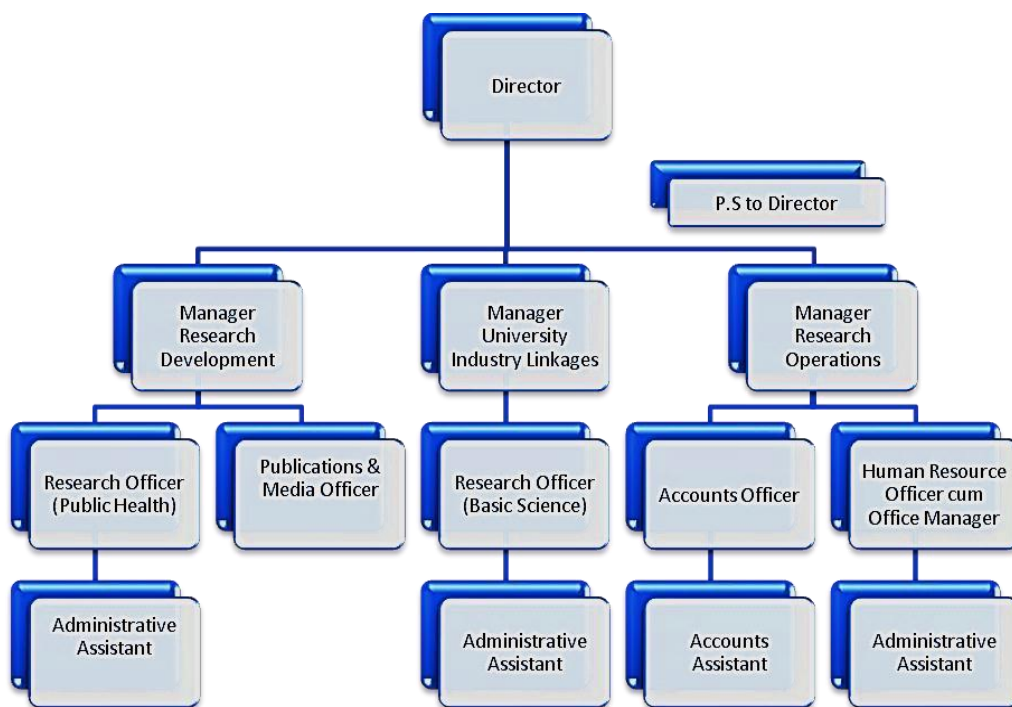
By developing and extensive upgradation of the diagnostic facilities in the field of Pathology & Radiological Imaging, we aim to set up a diagnostic services centers network to cater to the needs of the general public by expanding the horizon of our diagnostic facilities on commercial level, and not just limiting to the Allied Hospitals. Offering state of the art diagnostic facilities at competitive yet economical rates will earn valuable monetary resources for the needs of the Rawalpindi Medical University in the long run.

Educational Programs

We aim to offer various educational facilities and innovative professional development degree, diploma and certificate courses in future, not only to contribute in the development of Pakistan but at the same time for enabling us to further develop and sustain the university through the resources generated by offering capacity building courses for the Healthcare providers.

Development By Development

The Rawalpindi Medical University will establish the **Office of Research Innovation & Commercialization (ORIC)** as per the guidelines provided by the Higher Education Commission of Pakistan.



Organizational Model of ORIC

The ORIC will not only be responsible for University-wide research operations but will strive for the development and implementation of highquality research initiatives in addition to establishment of innovation and entrepreneurship in research. ORIC will also link research and commercialization from the University with emerging and existing technology markets across Pakistan and around the world to enable the university in generation of resources for its further development and supporting research of the future.

Satellite Campuses of RMU

By establishing satellite campuses in other regions of Pakistan, we aspire to broaden the availability of quality educational & research facilities offered by the Rawalpindi Medical University to the students of other regions. While this will help to facilitate the students of other regions in gaining comfortable access to the education they desire, it will also expand the student-base of RMU aiding in sustainability & further development of the university through the revenue acquired in lieu of tuition fees.

We would like to acknowledge with gratitude our deep appreciation for the cooperation and support being extended by the Higher Education Commission (HEC) and, of course, our parent Ministry of Health, and indeed Planning & Development Division in upgrading RMU to its present status of recognition. RMU commits itself and all its resources to becoming a symbol of pride and honor for the nation promoting health equity and setting new standards of patient care, medical education, research and training in public sector.

Midterm Evaluation Report

Vision 2033



INFRASTRUCTURE DEVELOPMENT



Progress of RMU Infrastructure Development (2018-2024)

S#	Project	2017	2018	2019	2020	2021	2022	2023	2024	% Achieved
1	Modern Lecture Theater for Undergraduates									100%
2	Establishment of RMU Secretariat including Registrar Office, ORIC, RGMO and R&D									100%
3	Establishment of Examination Department									100%
4	Establishment of Quality Enhancement Cell (QEC)									100%
5	Renovation of Existing Undergraduate Departments									100%
6	Establishment of IT Department									100%
7	Renovation of Old Infrastructure of Main campus									100%
8	Upgradation of Library									100%
9	Construction of Overhead Water Tank									100%
10	Clean and Green Initiative									100%
11	Upgradation of Sports Complex at main Campus									100%
12	Construction of Hostels for Students									100%
13	Upgradation of College of Nursing Holy Family Hospital to Postgraduate Institute of Nursing & Midwifery									100%
14	Establishment of Modern Postgraduate Research Lab									40%
15	Establishment of Center of Medical Simulation									40%

Year-Wise Infrastructure Development with Cost (2018-2024)



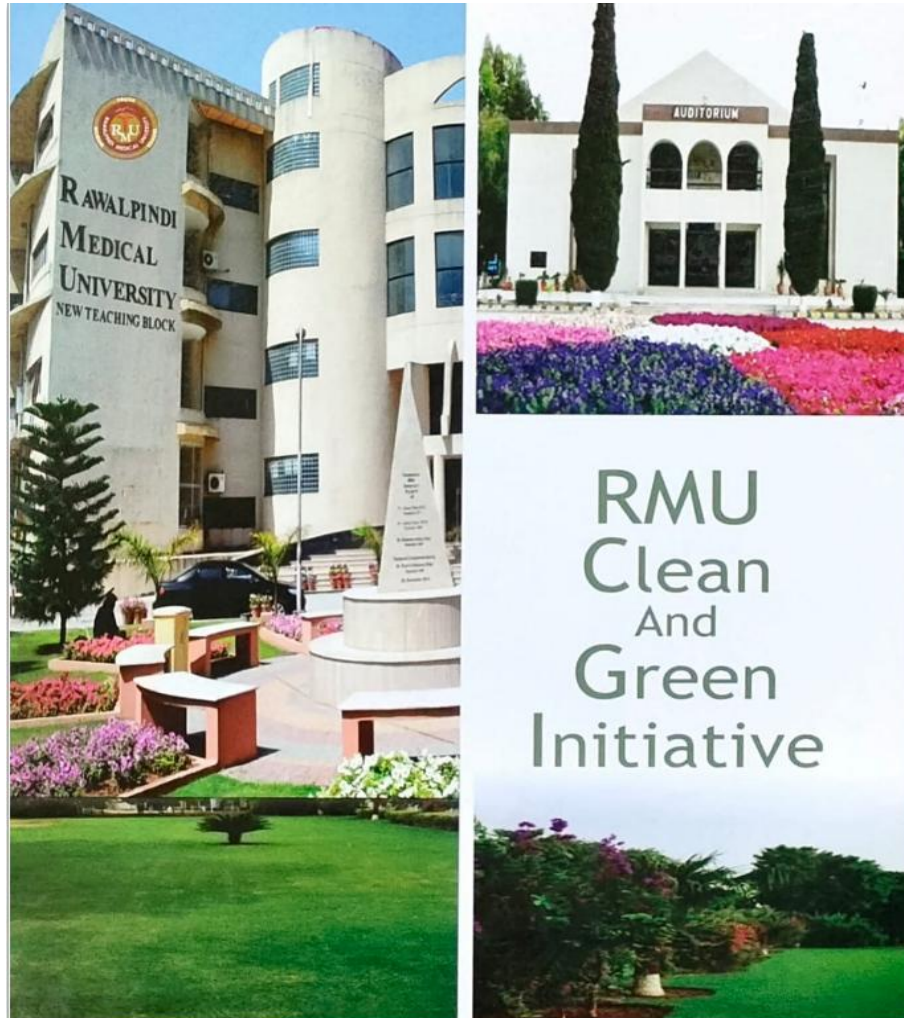
Establishment of RMU Secretariat including Registrar Office, ORIC, RGMO and R& D



Modern Lecture Theater for Under Graduates



Renovation of Existing Undergraduates Departments (Anatomy Department)



Clean and Green Initiative



Upgradation of Sports Complex



Renovation of Existing Boys Hostel



Construction of new hostel



Upgradation of College of Nursing



Construction of Postgraduate Research Lab Complex (in progress)

Department of Information and Technology

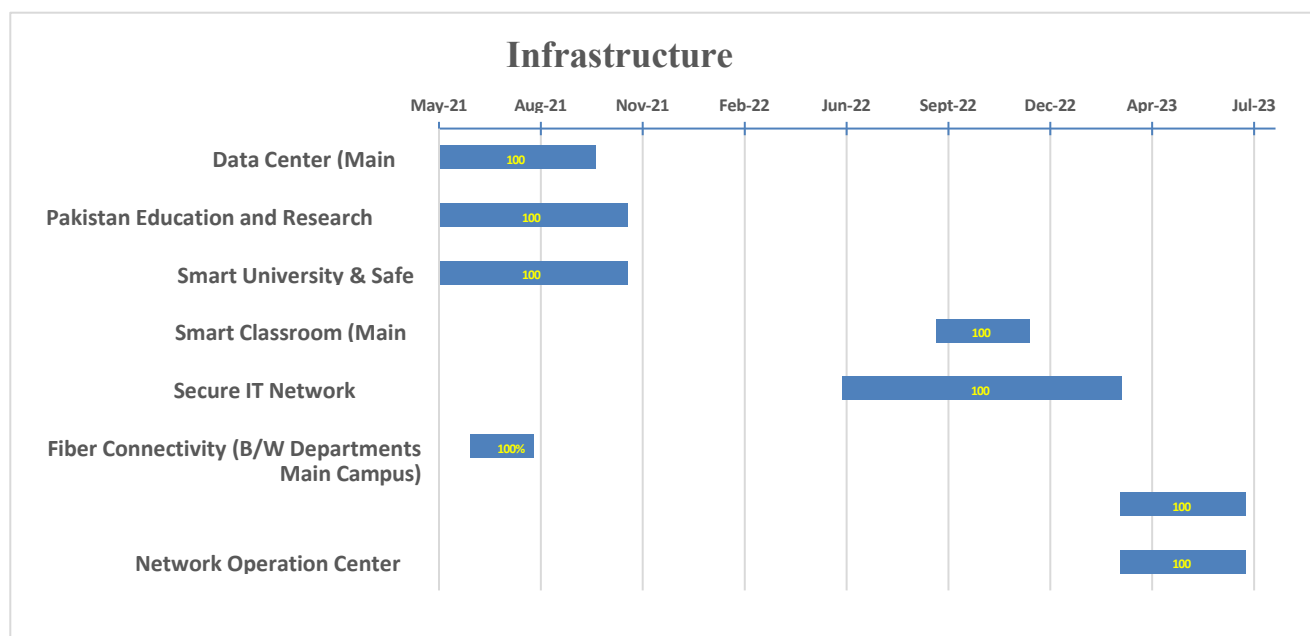


Introduction

The Information Technology Department strives to anticipate the needs of the university by looking beyond traditional services and systems to provide ingenious services and comprehensive support to our academia. I strongly realize and recognize that technology is a vital component to the support of learning, teaching, scholarly activities and administration in any educational environment. A balance of innovative and transformative technology along with effective and efficient implementation, support and use of technology are key enablers to assisting the University to achieve its mission and strategic goals.

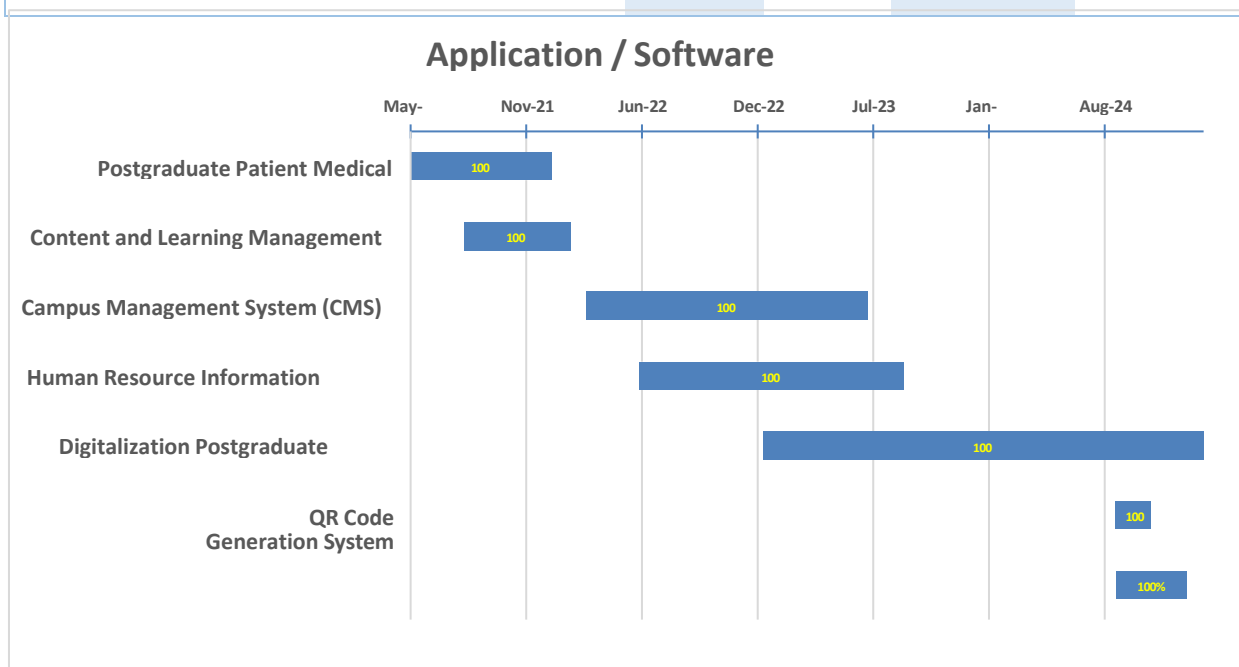
1. Infrastructure Development

Project	Start Date	End Date	Duration (Days)	Status (Achieved)
Data Center (Main Campus)	May-21	Oct-21	154	100 %
Pakistan Education and Research Network (PERN)	May-21	Nov-21	185	100 %
Smart University & Safe Campus	May-21	Nov-21	185	100 %
Smart Classroom (Main Campus)	Sept-22	Dec-22	92	100 %
Secure IT Network Infrastructure	Jun-22	Mar-23	274	100 %
Fiber Connectivity (B/W Departments Main Campus)	Jun-21	Aug-21	62	100 %
Smart Classroom (NTB)	Mar-23	Jul-23	123	100 %
Network Operation Center NOC (NTB)	Mar-23	Jul-23	123	100 %



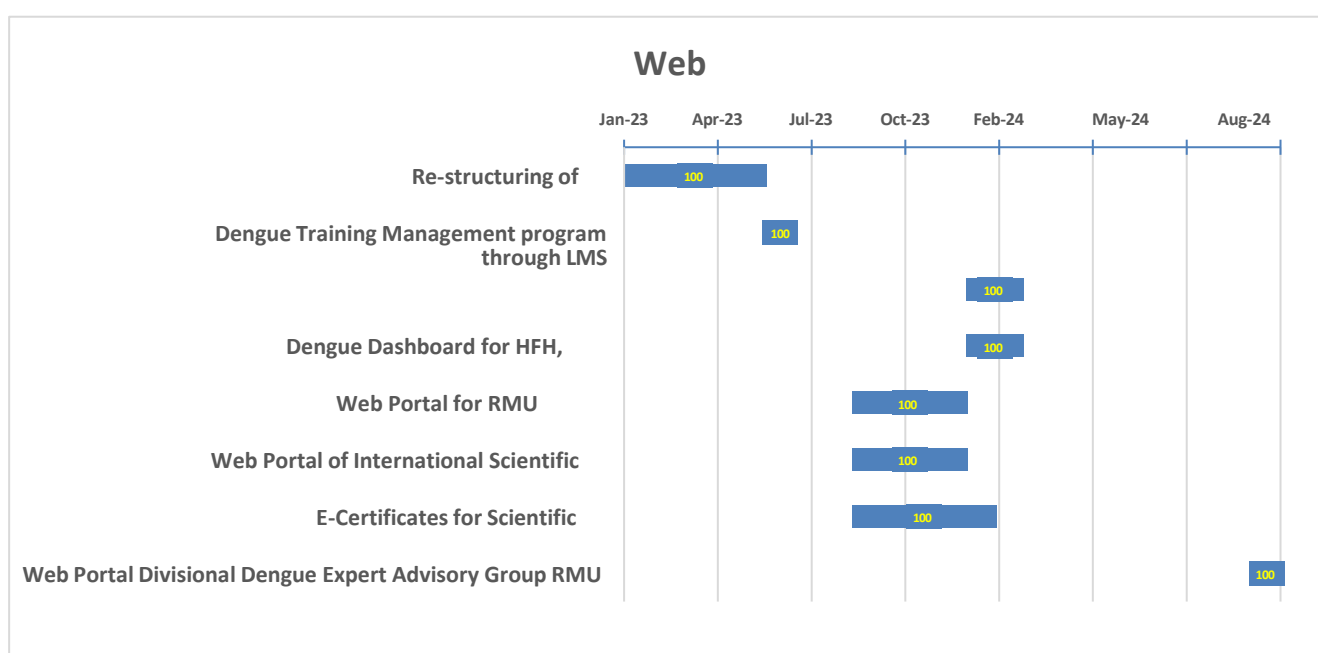
2. Application / Software Development

Project	Start Date	End Date	Duration (Days)	Status (Achieved)
Postgraduate Patient Medical Log System	May-21	Dec-21	245	100 %
Content and Learning Management System (CLMS)	Aug-21	Jan-22	184	100 %
Campus Management System (CMS) Undergraduate	Mar-22	Jun-23	487	100 %
Human Resource Information Management System	Jun-22	Aug-23	457	100 %
Digitalization Postgraduate Residency Program	Jan-23	Jan-25	762	100 %
QR Code Generation System	Sept-24	Oct-24	61	100 %
Question Bank	Sept-24	Dec-24	122	100 %



Project	Start Date	End Date	Duration (Days)	Status (Achieved)
Re-structuring of Website	Jan-23	Jun-23	152	100 %
Dengue Training Management program through LMS	Jun-23	Jul-23	31	100 %
Dashboard View of Online Patient Data and E-Logbook	Jan-24	Mar-24	61	100 %
Dengue Dashboard for HFH, BBH and DHQ	Jan-24	Mar-24	61	100 %
Web Portal for RMU Golden Jubilee	Sept-23	Jan-24	123	100 %
Web Portal of International Scientific Conference 23	Sept-23	Jan-24	123	100 %
E-Certificates for Scientific Conference	Sept-23	Feb-24	154	100 %
Web Portal Divisional Dengue Expert Advisory Group RMU & Allied Hospitals	Nov-24	Dec-24	31	100 %
Web Portal for Rawalian's Conference Registration	Nov-23	Dec-23	31	100 %
Degree Applying Form	Nov-24	Dec-24	31	100 %

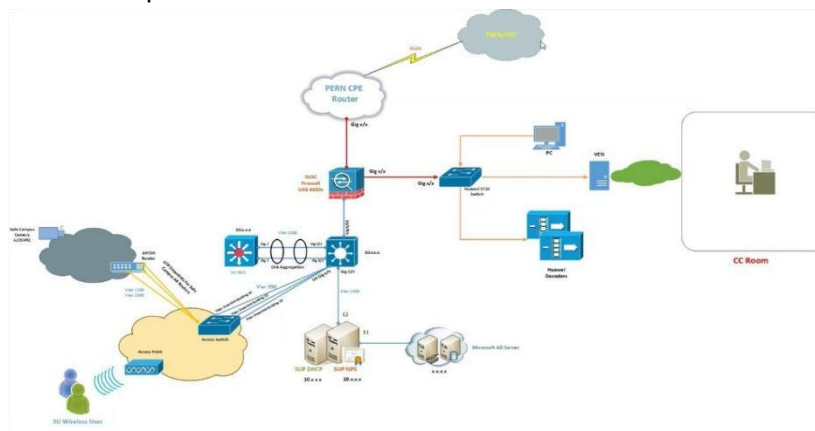
3. Web Development



Progress and Achievements

1. Data Centre and NOC (Main Campus and NTB)

Rawalpindi Medical University achieved a significant milestone with the development of its state-of-the-art cost-effective data centre. This technological advancement marked a crucial step in enhancing the university's IT infrastructure and capabilities.



2. Pakistan Education and Research Network (PERN)

Pakistan education and research network initiated by Government of Pakistan under the administration of HEC. The main objective of PERN to support and enhance the research and educational capabilities of public sector universities.

Leveraging the strides in technological innovation, RMU-IT has successfully rolled out a comprehensive Wi-Fi mesh network across its campus. This transformative step ensures seamless wireless connectivity both indoors and outdoors, significantly enhancing the digital experience for students, faculty, and staff members. PERN provides the following research and educational facilities.

- High speed internet bandwidth.
- Intranet Bandwidth.
- Research Bandwidth Connectivity to research networks.

PERN Users and Bandwidth Details	
Main Campus	100 Mbps
New Teaching Block	20 Mbps
Total Bandwidth	120 Mbps
Students	1385
Faculty (RMU & Allied Hospitals)	360
Management & Staff	78
Technical	47
Smart Classroom Users (Main Campus and NTB)	68

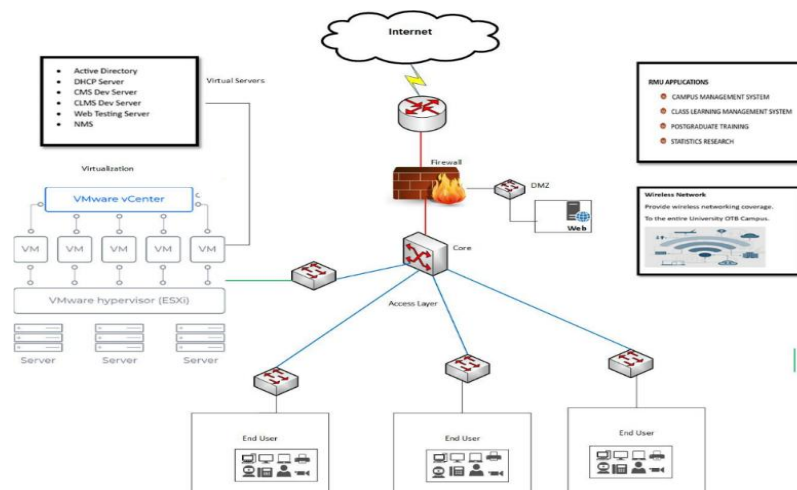
3. Smart University & Safe Campus

WIFI Coverage of whole campus (which includes hostel cafeteria open area classroom auditorium corridors grounds etc.). Surveillance Camera installation for security purposes.



4. Secure IT Network Infrastructure

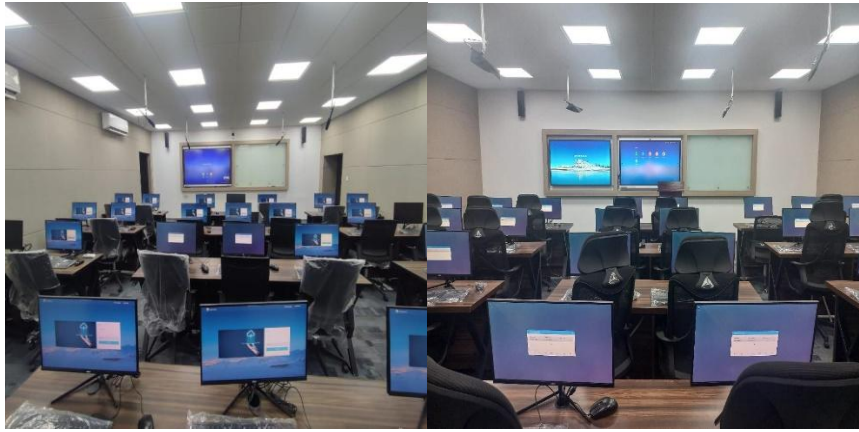
The campus network at our institution is structured around a collapsed core architecture, designed for efficiency and security. This architecture is divided into distinct layers: security, distribution, and access. The network backbone is comprised of both primary and backup Fiber optic links that connect to network and communication rooms in each academic building. This network design employs utilizing routing and switching technologies.



5. Smart Classroom (Main Campus and NTB)

The establishment of Smart Classroom setup can play a pivotal role to enhance students -teachers interaction through interactive online & distance learning, bridge the gap of good faculty, meet the shortage of faculty members at the universities/ campuses located at far-flung areas and ultimately to uplift the standard of education across the board.

Rawalpindi Medical University established smart classrooms at the main campus and its branch site at NTB.

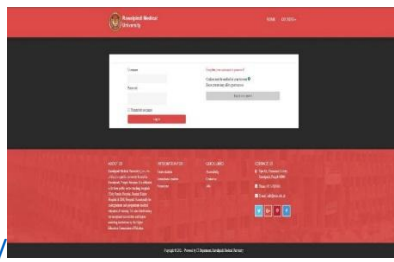


6. Campus Management System (CMS)

A Campus Management System (CMS) is in implementation stage in the RMU. It will automate the different key processes of university. From admission to examination.

7. Content and Learning Management System (CLMS)

An online integrated software used for creating, delivering, tracking, scheduling, assessments and reporting of educational courses.



Link: <https://clms.rmur.edu.pk/>

Statistics	
Users:	3176
Courses:	(Active 10)
Questions:	4136
Folders:	325
Books:	3
Attempted Quizzes and Results:	278
Files / Notes:	64
External Links:	18
Assignments:	27

8. Digitalization of Postgraduate Trainee Program

Rawalpindi Medical University Initiate first time in Pakistan to promote real time and authentic research base patient data through online system. This step promotes the authenticity of research and discourages fake patient data. A verification system is also in place to check the accuracy of this data.



Link: <https://pgt.rmur.edu.pk/>

9. Website Restructuring

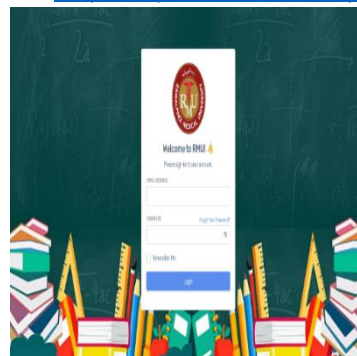
Link: <https://rmur.edu.pk/>



10. Question Bank System

The Question Bank System is a centralized digital repository designed to store, categorize, and manage examination questions securely. It supports multiple question types, including MCQs and SAQs categorized by subject, topic, and difficulty level. The system enables faculty to contribute, review, and update questions while ensuring standardization, security, and access control through role-based permissions.

Link: <https://qbank.rmur.edu.pk/>



Quality Enhancement Cell (QEC)



Introduction to Quality Enhancement Cell (QEC)

Quality Enhancement Cells serve as focal points for quality assurance in the institution in order to improve and uphold the quality of higher education. Capacity building of academia in quality assurance is one of the key functions of the Quality Assurance Agency (QAA) and subsequently of the QEC. Thus, QAA and QECs of the Universities will work hand in hand to move in this direction of capacity building arrangements that include awareness campaigns, development of quality assurance policy instruments, training to learn the processes and procedures of quality assurance in higher education institutions and development of Manual to equip the practitioners of quality assurance.

The QAA and QECs at higher education institutions will undertake their responsibilities and functions based on the best principles of quality assurance namely openness, transparency, fairness, equity, and accountability as practiced in the rest of the world.

On up gradation of Rawalpindi Medical College to Rawalpindi Medical University on 5th May, 2017, one of the first goals that were set and achieved, was the establishment of Quality enhancement cell (QEC) which acts as the backbone of all the academic developments in a university by providing constant monitoring and quality control of the teaching and learning activities. The Quality Enhancement Cell (QEC) was established with a visionary mandate to champion and uphold the highest standards of quality within our institution. As a pivotal component of our commitment to academic and operational excellence, the QEC plays a critical role in systematically enhancing the quality of educational programs, administrative processes, and overall institutional performance.

The Quality Enhancement Cell (QEC) stands at the forefront of our institution's commitment to fostering a culture of continuous improvement and excellence. Established to address the need for a dedicated focus on quality assurance and enhancement, the QEC is integral to our mission of delivering superior educational and operational outcomes.

Background and Rationale

In the rapidly evolving landscape of higher education, maintaining and advancing quality is imperative for institutional success. The QEC was founded with the understanding that a structured approach to quality enhancement is essential for meeting the growing expectations of students, faculty, accrediting bodies, and other stakeholders. Our establishment reflects the institution's dedication to not only meeting but exceeding established benchmarks and standards of excellence.

Mission and Core Objectives

The primary mission of the QEC is to systematically enhance the quality of all aspects of our institution's operations. This involves a strategic focus on:

Academic Excellence

Ensuring that our programs, curricula, and teaching methodologies are realigned with best practices and evolving industry standards. We aim to foster an environment where academic programs are continually refined to meet the highest educational standards.

Operational Efficiency

Streamlining administrative processes and systems to improve effectiveness and efficiency. This includes the implementation of the best practices in resource management, student services, and institutional support functions.

Stakeholder Engagement

Actively involving students, faculty, staff, and external partners in the quality assurance process. We seek to create feedback loops and collaborative mechanisms that allow for the continuous gathering and incorporation of diverse perspectives.

Compliance and Accreditation

Ensuring adherence to regulatory requirements and accreditation standards. The QEC plays a crucial role in preparing for accreditation reviews and maintaining compliance with national and international quality standards.

Establishment of Quality Enhancement Cell (QEC)

S#	Project Name	2018	2019	2020	2021	2022	2023	2024	% Achieved
1	Establishment of QEC								100%
2	Internal Quality Team								100%
3	External Quality Team								100%
4	QEC Guidelines								100%
	3600 Evaluation Cycles								100%
5	University Portfolio Report (HEC Submission)								100%
6	QEC Annual Reports								100%
7	Yearly Progress Report Submitted to HEC								100%

Year-Wise Achievements of QEC

Year	Achievements
2018	• Establishment Of QEC • Internal Quality Team • External Quality Team • 360 Degree Evaluation (1st& 2nd Cycle) • QEC Guidelines
2019	• University Portfolio Report compiled and submitted to HEC • 360 Degree Evaluation (3rd& 4th Cycle) • QEC Annual report
2020	• University Residency Program Evaluation Report (Vol. I) • 360 Degree Evaluation (5th& 6th Cycle)
2021	• Yearly Progress Report Submitted to HEC • Self-Institutional Performance Evaluation conducted (HEC Visit) • Post Graduate Program Review (HEC Visit) • 360 Degree Evaluation (7th& 8th Cycle) • Tallories Network Membership obtained • ANQAHE membership obtained
2022	• Faculty Performance Evaluation Report • Yearly Progress Report Submitted to HEC • Self-Institutional Performance Evaluation conducted (HEC Visit) • Post Graduate Program Review (HEC Visit) • UNESCO membership obtained • United Nations Academic Impact (UNAI) Membership obtained • AMEE membership obtained • 360 Degree Evaluation (9th& 10th Cycle)
2023	• University Residency Program Evaluation Report (Vol. II) • 360 Degree Evaluation (11th& 12th Cycle)
2024	• Post Graduate Program Review (HEC Visit) • 360 Degree Evaluation (13th& 14th Cycle) • Internal Quality Assurance Visits level-I (of clinical departments)

Aims and Objectives:

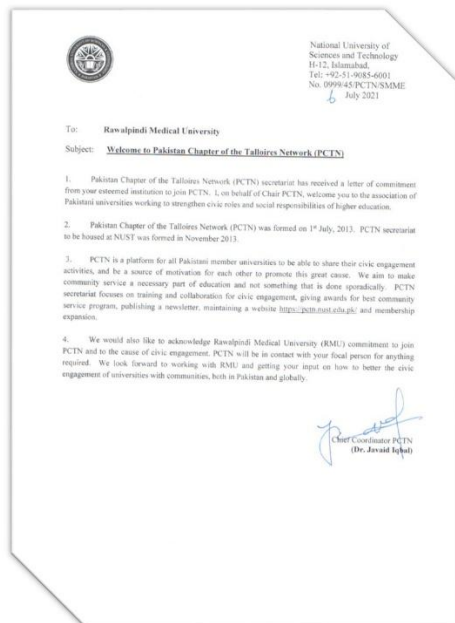


International Collaborations and Memberships

1. TALLORIES NETWORK (TN)



2. UNITED NATION ACADEMIC IMPACT (UNAI):



3. THE ARAB NETWORK FOR QUALITY ASSUARNC E IN HIGHER EDUCATION



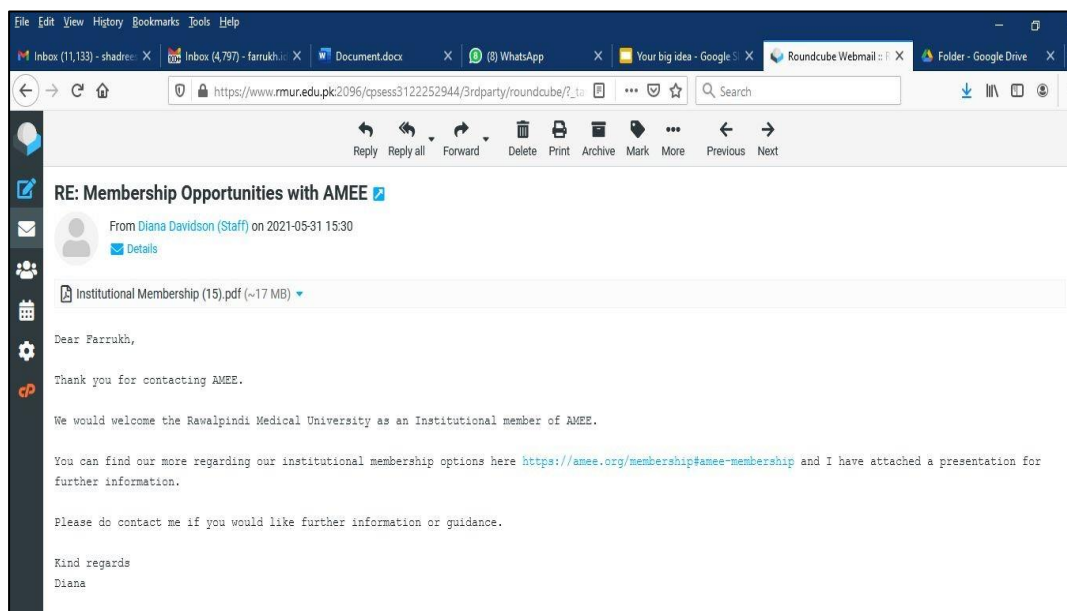
4. UNESCO-NETWORK OF QUALITY MONITORING PROGRAM FOR ASIA PACIFIC:



5. ASSOCIATION FOR MEDICAL EDUCATION IN EUROPE (AMEE)

Midterm Evaluation Report

Vision 2033



Research and Development



Research Unit of Rawalpindi Medical University

The Research Unit at Rawalpindi Medical University was first established in February 2014. It was initially located at the Liver center of Holy Family Hospital but in December 2015 it was shifted to Department of Medical Education, New teaching Block of RMU. At present it is situated in a completely renovated purposed built unit within the main campus of RMU where it was inaugurated on 10th March 2021. The core team of the Research Unit comprises of the Director Research, the Additional Director Research, Research coordinators, Statistical expert and concerned IT staff. Together, this team facilitates research activities at all levels of the university be-it under graduate, post graduate, residents, visitors, all faculty members and international collaborative research projects. The Research Unit is carrying out all the following research related activities:

- Administration of all research related activities of Rawalpindi Medical University and Allied Hospitals.
- Facilitation and guidance of undergraduates, post graduate trainees, university residents and faculty of RMU regarding Health Systems Research e.g. research proposal formulation, basic and advanced research methodologies, data entry, analysis& interpretation and manuscript writing.
- At the Research Unit, individual and group consultations regarding topic selection, literature search, referencing system, plagiarism detection, research proposal formulation, study methods and materials, sample size calculation, sampling technique, selection of study variables, data collection tools, data collection techniques, pretesting, pilot study, data entry & analysis, manuscript writing etc are provided. Free of cost individual or groups counselling and assistance is being provided to all undergraduates, post graduate trainees, faculty and even visitor researchers of RMU.
- Research Unit also provides facilitation to visitor researchers and collaborative researchers of RMU through (ORIC) The Office of Research Innovation & Commercialization., to present at IRF and conduct studies at RMU and Allied hospitals, along with progress monitoring by ORIC team.
- Research workshops and training courses are regularly conducted by Research Unit.
- The Clinical Trial Unit (CTU) has been initiated in the new teaching block of RMU The CTU is facilitating in guidance, supervision of clinical trials going on in different departments of the university
- RGMO; Research Grant Management Office has also recently been introduced which is supporting faculty and residents for grant writing and all legal and financial support.

Milestone / Research Activities		2017-2019	2020-2021	2022-2023	2024
1	Ethical Review Board (ERB) meetings	20	21	12	7
2	ERB meetings Synopsis review	288	455	295	161
3	Research Unit		Established		
4	Research Curriculum		Developed		
5	BASAR (Board of Advance Studies & Research) meetings	0	4	7	3
6	Synopsis approved by BASAR	-	88	143	75
7	Thesis approved by BASAR			54	87
8	Statistical Facilitation / Meetings (No. of research proposals facilitated)	-	293	421	481
9	No of Disease Statistical Reports (DSR) reviewed	-	-	42	32
10	RMU Dashboard Entries	-	-	-	22,798
11	Research Directories published	1	1	1	
12	Data Center			Established & Maintained Data Sets of 42,882 patients	
13	Workshops organized	16	20	27	6
14	Issuance of CME certification	--			30
15	No of articles reviewed for SJRMU (Student Journal of Rawalpindi Medical University)	64	24	23	-
16	No of articles reviewed for RJRMU (Resident Journal of Rawalpindi Medical University)	10	35	66	16
17	JHCC (Journal of Health & Climate Change)		8	13	10

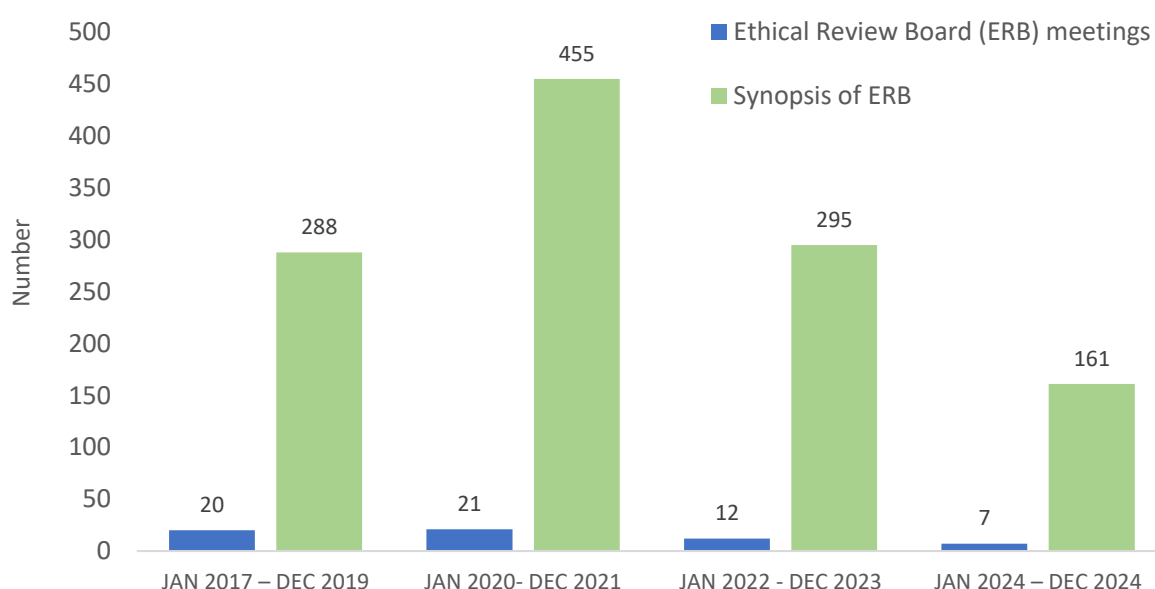
Achievements

Institutional Research Forum/Ethical Review Board

The Institutional Research Forum of RMU was established by Prof Muhammad Umar, the Vice Chancellor of RMU. Since January 2014 all the research activities of RMU and Allied Hospitals and collaborative research is being facilitated.

Institutional Research Forum meeting is regularly to oversee various aspects of research related activities, their quality assurance, ethical approval and appraisal of all the research studies of all cadres and department of RMU. Any research intended to conduct research project or data collection at our RMU and Allied Hospitals have to get approval from IRF of RMU.

Between January 2017- December 2019, 20 ERB meetings were held which reviewed 288 Research proposals. From January 2020- December 2021, 21 meetings were held and 455 Research proposals were reviewed. From January 2022 – December 2023, 12 meetings were held and 295 research proposals were reviewed. In the year 2024, 07 meetings were held & 161 research proposals were reviewed by the Board.

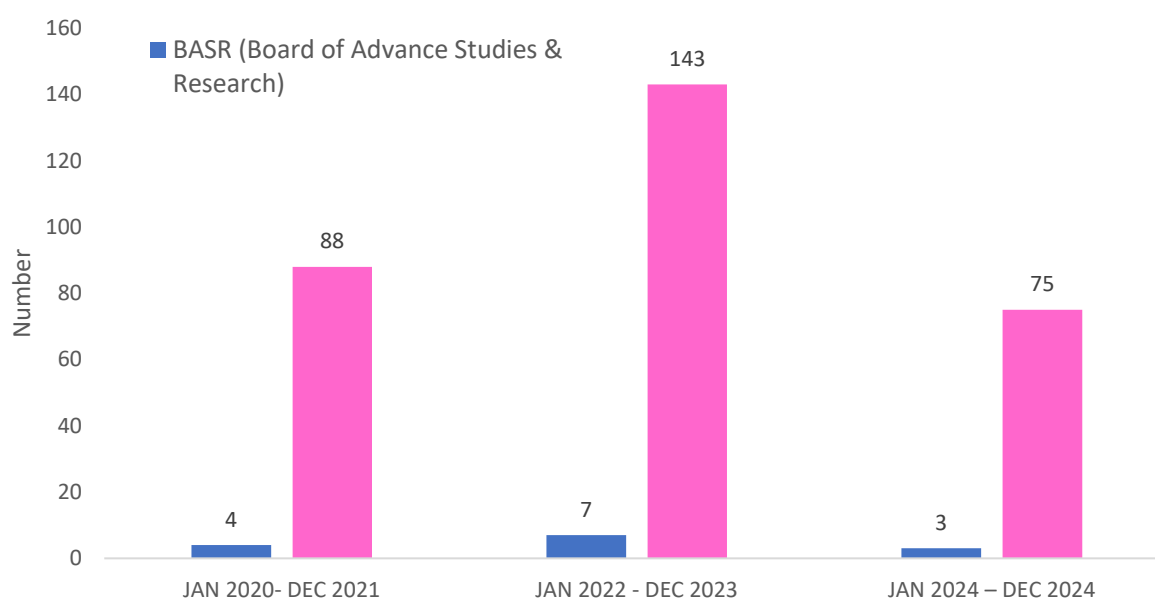


Board of Advanced Studies & Research

The responsibilities of Board of Advanced Studies and Research are prescribed as under serial no 27 of Rawalpindi Medical University Ordinance 2017 (V of 2017) as follows: The Board of Advanced Studies and Research shall:

- Advise an authority on all matters connected with the promotion of advanced studies and research publication in the university
- Consider and report to an Authority with regard to research degree of the University
- Propose regulations regarding the award of a research degree
- Appoint supervisors for a post graduate research student and to approve the title and synopsis of the Thesis and dissertation
- Recommend panel of examiners for evaluation of a research examination &
- Perform such other functions as may be prescribed by the Statutes.

Synopses Reviewed: BASR reviewed 88 synopses in 2020–2021, 143 in 2022–2023, and 75 in 2024.

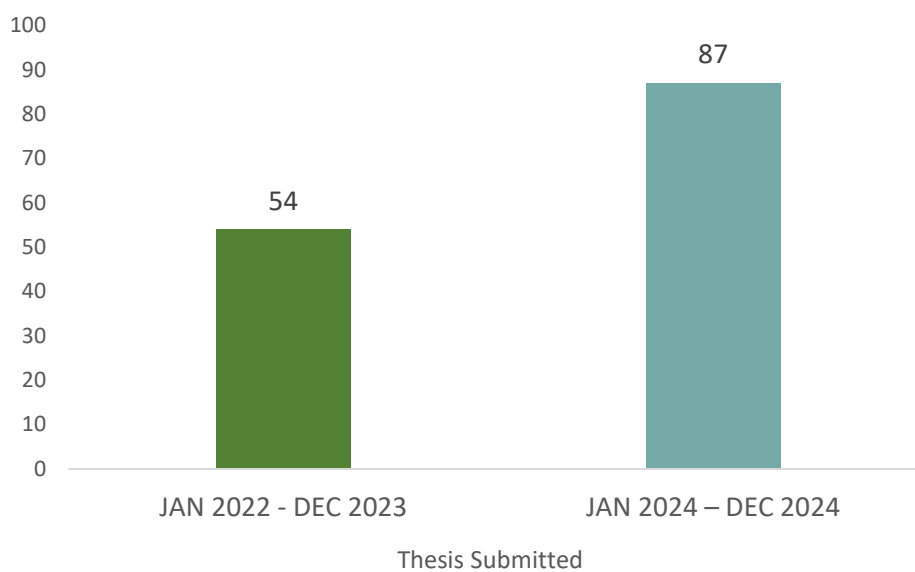


Thesis Submissions:

Theses: The number of theses submitted increased from 54 in 2022–2023 to 87 in 2024. The theses submitted are sent to two external reviewers each and the final theses are then accepted after all the suggested changes have been done.

Midterm Evaluation Report

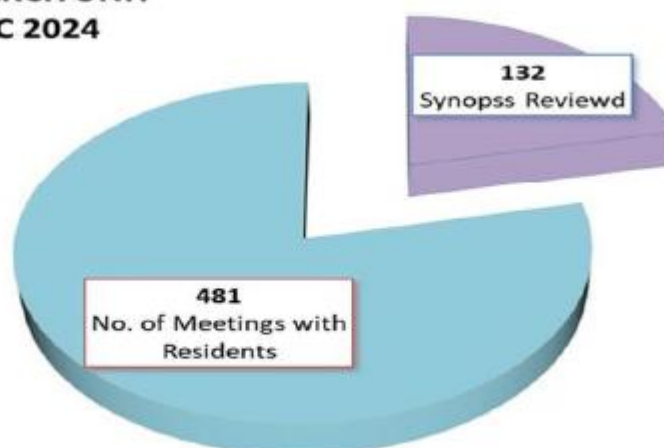
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Statistical Facilitation and Meetings:

- **Meetings:** Statistical facilitation meetings increased from 293 in 2020–2021 to 481 in 2024

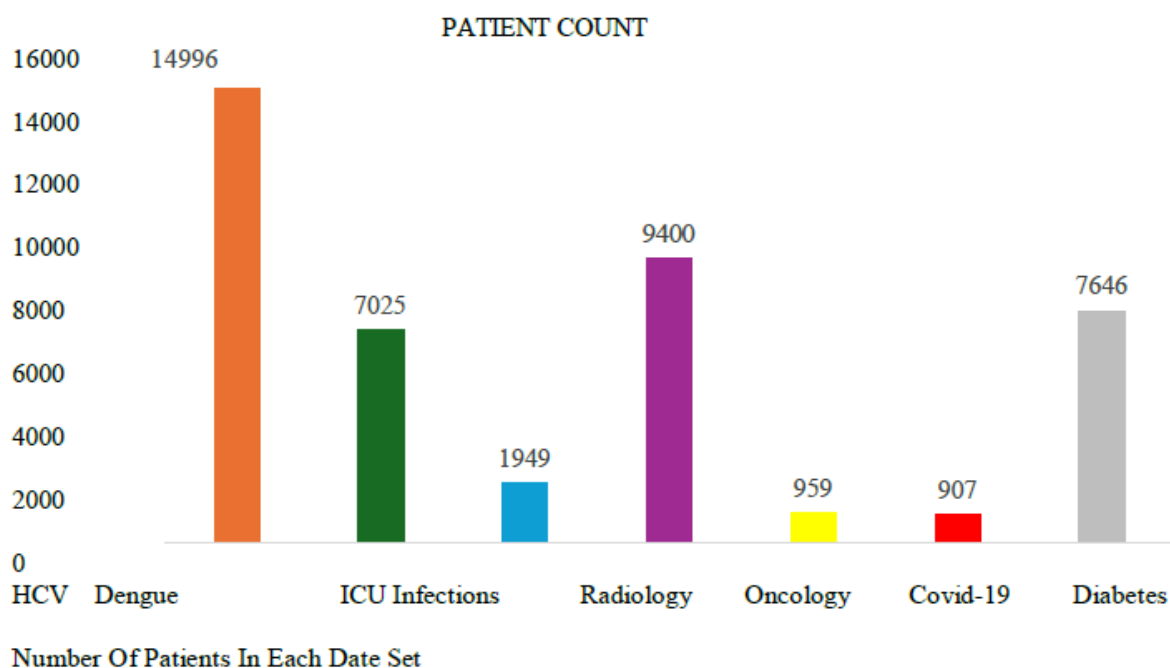
RMU RESEARCH UNIT JAN - DEC 2024



No. Of statistical meetings with residents & synopsis reviewed, 2024

Research Directory and Data Center:

- **Research Directory:** Maintained consistently.
- **Data Center:** Established and maintained datasets for 42,882 patients, indicating a significant expansion in data management capabilities.

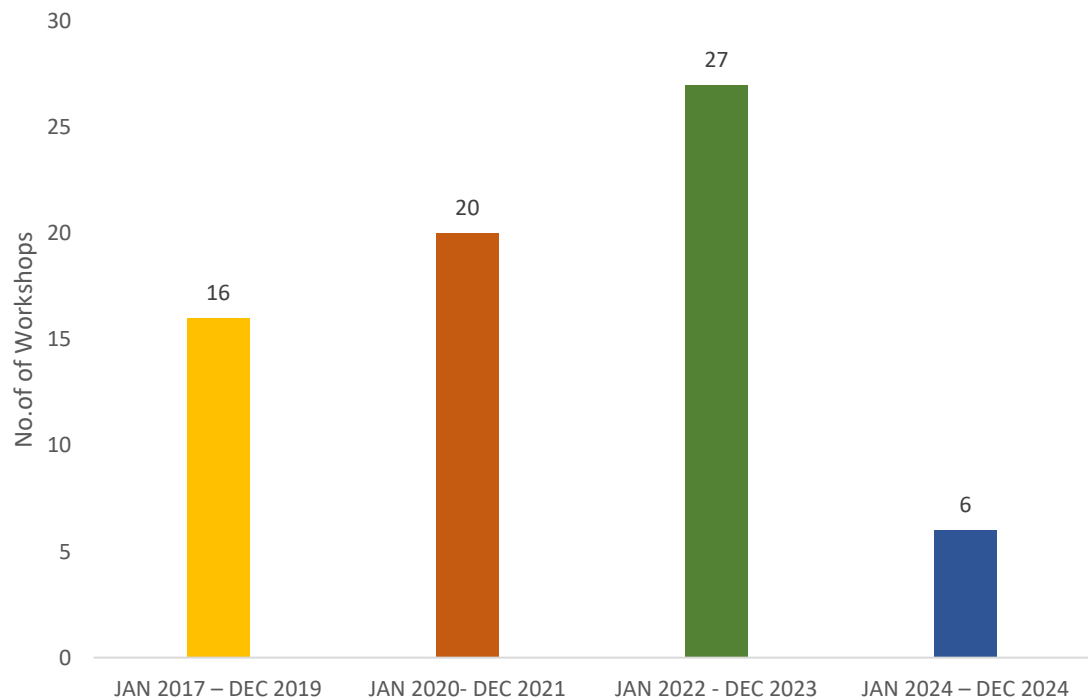


Workshops and Certifications:

- **Workshops:** The number of workshops conducted increased from 16 in 2017–2019 to 27 in 2022–2023. 6 workshops were conducted in 2024.

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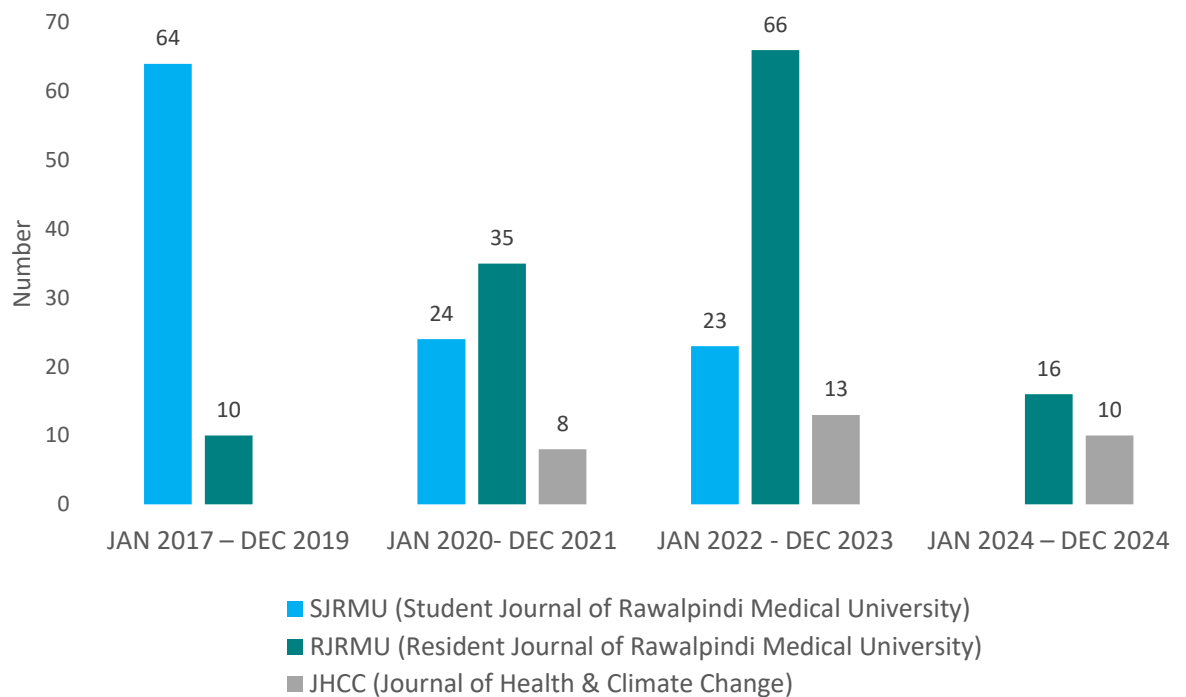
- **CME Certifications:** Issued 30 Continuing Medical Education (CME) certifications in 2024.

Journals:

- **SJRMU (Student Journal of Rawalpindi Medical University):** Published 64 articles in 2017–2019, 24 in 2020–2021, 23 in 2022–2023, and ceased publication in 2024.
- **RJRMU (Resident Journal of Rawalpindi Medical University):** Published 10 articles in 2017–2019, 35 in 2020–2021, 66 in 2022–2023, and 16 in 2024.
- **JHCC (Journal of Health & Climate Change):** Published 8 articles in 2020–2021, 13 in 2022–2023, and 10 in 2024.

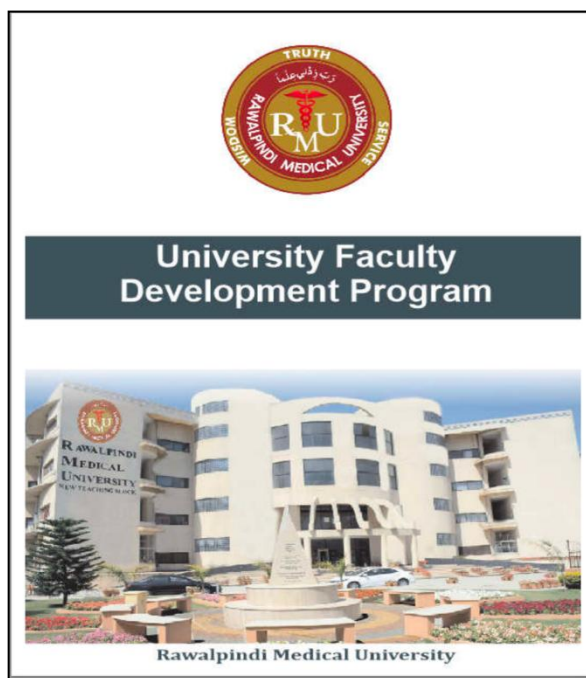
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Conclusion:

The data reflects a dynamic evolution in RMU's research activities over the specified periods. While there was a general increase in research outputs and facilitation efforts, certain areas such as ERB meetings and workshops experienced fluctuations. The establishment of the Research Unit and the development of the Integrated Undergraduate Research Curriculum underscore RMU's commitment to integrating research into medical education. The consistent maintenance of the Research Directory and the substantial data management efforts, including the compilation of 43,000 patient datasets, highlight the university's dedication to advancing medical research and education.



University Faculty Development Program Report Books

Vol.1(2020)

Vol.2 (2021)

The Faculty Development Workshops aim to enhance the professional capabilities of RMU faculty in teaching, research, and leadership. These sessions are designed to strengthen skills in curriculum development, digital literacy, assessment methods, and postgraduate supervision. The program focuses on fostering innovation, evidence-based practices, and continuous improvement in medical education. It also promotes leadership, quality assurance, and effective communication skills essential for academic excellence. Overall, the workshops empower faculty to become impactful educators, mentors, and role models for future healthcare professionals.

PLAN OF WORKSHOPS FOR FACULTY

	UFDP Mandatory Workshops	URP Capacity Building
Professor	-----	1. Leadership 2. Professionalism 3. Curriculum development
Associate Professor	Advance Research Methodology and Biostatistics	Curriculum development Professionalism
Assistant Professor	Advance Research Methodology and Biostatistics Quality assurance of postgraduate program evaluation	Teaching and learning in medical education Assessment of Competence Curriculum development
Senior Registrar	Supervisory Skills Educational Planning and evaluation Assessment of competence	Curriculum development Teaching and learning in medical education

Workshops Calendar 2024

Date	Workshop Name	Facilitators	Target Audience	Focal Person
16-17 th Jan	Supervisory Skills	Dr Sadia Khan Dr Sobia Nawaz	SR	Dr Rizwana Shahid
25 th Jan	Quality Assurance of Postgraduate Program Evaluation (URP)	Dr Arsalan Manzoor Dr Rabiya Khalid Dr Rizwana Shahid	Assistant Professor, SR	Dr. Rizwana Shahid
14-15 th Feb	Educational planning and evaluation	Dr Humaira Noreen Dr Ismat Tanveer	SRs	Dr. Rizwana Shahid
20-21 st Feb	Assessment of competence	Dr Arsalan Manzoor Dr Maria Waqas Dr Imtiaz Ahmad Shakir	Assistant Prof, SR	Dr. Rizwana Shahid
5 th Mar	Teaching and learning in medical education	Dr Sadia Chaudhry Dr Hina Hanif	SR	Dr. Rizwana Shahid
7 th March	Digital Literacy in Medical Education	Hafiz Shahid Dr Arsalan Mughal Dr Mohd Ali Dr Asma	Professors, Associate Prof, Assist Prof	Dr. Rizwana Shahid
14-15 May	Assessment of competence	Dr Arsalan Manzoor Dr Maria Waqas Dr Imtiaz Ahmad Shakir	SR	Dr Rizwana Shahid
21 May	Curriculum planning & Development	Dr Sadia Chaudhry Dr. Rizwana Shahid	Assistant, SR	Dr. Rizwana Shahid
22-23 May	Supervisory Skills	Dr Sadia Khan Dr Sobia Nawaz	SR	Dr. Rizwana Shahid
28-29 th May	Educational planning and evaluation	Dr Humaira Noreen Dr Ismat Tanveer	SR	Dr. Rizwana Shahid
June	Teaching and learning in medical education	Dr Sadia Chaudhry Dr Hina Hanif	SR	Dr. Rizwana Shahid
11 th June	Digital Literacy in Medical Education	Hafiz Shahid Dr Arsalan Mughal Dr Mohd Ali Dr Asma	Professors, Associate Prof, Assist Prof	Dr. Rizwana Shahid
June	Quality Assurance of Postgraduate Program Evaluation (URP)	Dr Arsalan Manzoor Dr Rabiya Khalid Dr Rizwana Shahid	Assistant Professor, SR	Dr. Rizwana Shahid
June	Assessment of competence	Dr Arsalan Manzoor	SR	Dr. Rizwana Shahid

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		Dr Maria Waqas Dr Imtiaz Ahmad Shakir		
June	Assessment of competence	Dr Arsalan Manzoor Dr Maria Waqas Dr Imtiaz Ahmad Shakir	SR	Dr. Rizwana Shahid
Sep	Curriculum planning & Development	Dr Sadia Chaudhry Dr. Rizwana Shahid	Assistant, SR	Dr. Rizwana Shahid
Sep	Supervisory Skills	Dr Sadia Khan Dr Sobia Nawaz	SR	Dr. Rizwana Shahid
Sep	Educational planning and evaluation	Dr Humaira Noureen Dr Ismat Tanveer	SRs	Dr Rizwana Shahid
Sep	Teaching and learning in medical education	Dr Sadia Chaudhry Dr Hina Hanif	SR	Dr. Rizwana Shahid
Oct	Digital Literacy in Medical Education	Hafiz Shahid Dr Arsalan Mughal Dr Mohd Ali Dr Asma	Professors, Associate Prof, Assist Prof	Dr. Rizwana Shahid
Oct	Quality Assurance of Postgraduate Program Evaluation (URP)	Dr Arsalan Manzoor Dr Rabiya Khalid Dr Rizwana Shahid	Assistant Professor, SR	Dr.Rizwana Shahid
Oct	Assessment of competence	Dr Arsalan Manzoor Dr Maria Waqas Dr Imtiaz Ahmad Shakir	SR	Dr. Rizwana Shahid
Oct	Curriculum planning & Development	Dr Sadia Chaudhry Dr. Rizwana Shahid	Assistant, SR	Dr. Rizwana Shahid
Nov	Supervisory Skills	Dr Sadia Khan Dr Sobia Nawaz	SR	Dr. Rizwana Shahid
Nov	Educational planning and evaluation	Dr Humaira Noureen Dr Ismat Tanveer	SRs	Dr. Rizwana Shahid
Nov	Teaching and learning in medical education	Dr Sadia Chaudhry Dr Hina Hanif	SR	Dr. Rizwana Shahid
Nov	Digital Literacy in Medical Education	Hafiz Shahid Dr Arsalan Mughal Dr Mohd Ali Dr Asma	Professors, Associate Prof, Assist Prof	Dr.Rizwana Shahid
Dec	Supervisory Skills	Dr Sadia Khan Dr Sobia Nawaz	SR	Dr. Rizwana Shahid
Dec	Educational planning and evaluation	Dr Humaira Noureen Dr Ismat Tanveer	SRs	Dr.Rizwana Shahid

WORKSHOPS ATTENDED**PROFESSORS(HFH)**

Hospital	Department	Faculty Name	Designation	Workshops (3)			Deficit	CME Hour
				2023	2024	Total Attended		
Holy Family Hospital	Surgery	Dr. Jahangir Sarwar Khan	Professor	0	0	0	3	0
		Dr. Usman Qureshi		0	0	0	3	0
		Dr. Faryal Azhar		0	0	0	3	0
		Dr. Anis Ahmad		0	1	1	2	2
	Medicine	Dr. Muhammad Khurram		1	1	2	1	4
	Pathology	Dr. Mobina Ahsan Dodhy		1	2	3	-	6
		Dr. Samia Sarwar		0	3	3	-	6
	Gynaecology	Dr. Tallat Farkhanda		0	0	0	3	0
	Radiology	Dr. Nasir Khan		1	0	1	2	2
	EYE	Dr. Faud Ahmad Khan Niazi		0	0	0	3	0

PROFESSORS(BBH)

Hospital	Department	Faculty Name	Designation	Workshops (3)			Deficit	CME Hours
				2023	2024	Total Attended		
Benazir Bhutto Hospital	ENT	Dr. Ahmad Hassan Ashfaq	Professor	0	0	0	3	0
	Urology	Dr. Zein el Amir		0	1	1	2	2
	Psychiatry	Dr. Asad Tameez-ud-din		0	0	0	3	0

PROFESSORS(RTH)

Hospital	Department	Faculty Name	Designation	Workshops (3)			Deficit	CME Hours
				2023	2024	Total Attended		
Rawalpindi Teaching Hospital	ENT	Dr Sadia Chaudhry	Professor	3	3	6	-	12
	Surgery	Dr. Waqas Raza		0	0	0	3	0

ASSOCIATE PROFESSORS (HFH)

Hospital	Department	Faculty Name	Designation	Workshops (3)			Deficit	CME Hours
				2023	2024	Total Attended		
Holy Family Hospital	Medicine	Dr. Muhammad Arif	Associate Professor	1	0	1	1	2
		Dr. Abrar Akbar		2	0	2	1	4
		Dr. Saima Ambreen		0	1	1	2	2
	Gastroenterology	Dr. Tanveer Hussain		1	2	3	-	6
	Surgery	Dr. Gohar Rasheed		1	0	1	2	2
	Gynaecology	Dr. Humera Noreen		1	2	3	-	6
		Dr. Sobia Nawaz Malik		0	1	1	2	2
		Dr. Jawad Zahir		0	1	1	2	2
	Anaesthesia	Dr. Ashraf Mahmood		0	1	1	2	2
	Neurosurgery	Dr. Ashraf Mahmood		1	2	3	-	6

ASSOCIATE PROFESSORS BBH

Hospital	Department	Faculty Name	Designation	Workshops (3)			Deficit	CME Hour
				2023	2024	Total Attended		
Benazir Bhutto Hospital	Medicine	Dr Lubna Meraj	Associate Professor	1	2	3	-	6
	Gynaecology	Dr. Sadia Khan		0	2	2	1	4
	Pathology	Dr. Mudassira Zahid		1	1	2	1	4
	Urology	Dr. Zeeshan Qadeer		1	1	2	1	4
	Radiology	Dr. Hina Hanif Mughal		1	0	1	2	2
	Psychiatry	Dr. Muhammad Kashif		0	0	0	3	0
	Pediatric	Dr. Mudassar Sharif		1	1	2	1	4
	Gynaecology	Dr. Rubaba Abid Naqvi		1	1	2	1	4

ASSOCIATE PROFESSORS RTH

Hospital	Department	Faculty Name	Designation	Workshops (3)			Deficit	CME Hours
				2023	2024	Total Attended		
Rawalpindi Teaching Hospital	Surgery	Dr. M Zafar Iqbal	Associate Professor	0	0	0	3	0
	Pediatric Surgery	Dr. Mudassar Fiaz		0	1	1	2	2

ASSISTANT PROFESSORS HFH

Hospital	Department	Faculty Name	Designation	Workshops (5)			Deficit	CME Hours
				2023	2024	Total Attended		
Holy Family Hospital	Medicine	Dr. Nida Anjum	Assistant Professor	1	3	4	1	8
	Surgery	Dr. Muhammad Atif Khan		1	1	2	3	4
	Anesthesia	Dr. Anum Malik		1	4	5	-	10
	Paediatric	Dr. Mehwish Khan Khattak		1	1	2	3	4
	Surgery	Dr. Abdul Qadir Khurram		1	0	1	4	2
	Plastic Surgery	Dr Husnain Khan		1	2	3	2	6
	Gynae	Dr. Humera Bilquees		1	1	2	3	4
		Dr. Saima Bibi		1	2	3	2	6
		Dr. Maliha Sadaf		1	3	4	1	8
		Dr. Khansa Iqbal		1	2	3	2	6
		Dr. Aqsa Ikram ul Haq		1	3	4	1	8
		Dr. Shama Bashir		1	3	4	1	8
		Dr. Amara Arooj		1	2	3	2	6
		Dr. Farah Deeba		1	2	3	2	6
	Orthopaedic	Dr. Rahman Rasool Akhthar		1	3	4	1	8
	Gastro	Dr. Sadia Ahmed		1	4	5	-	10
	Paediatric	Dr Israr Liaqat		1	3	4	1	8
		Dr Asad Shabbir		1	3	4	1	8
	ENT	Dr. Ashar Alamgir		1	2	3	2	6
		Dr. Haitham Akaash		1	4	5	-	10
	Radiology	Dr. Anam Zahoor		2	3	5	-	10

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		Dr. Riffat Raja		1	3	4	1	8
		Dr. Beenish Nadeem		1	0	1	4	2
		Dr. Hina hafeez Abbasi		0	0	0	5	0
	Nephrology	Dr Raja Asif Masood		0	1	1	4	2
		Dr. Asmara		0	0	0	5	0
		Dr. Noman Butt		1	2	3	2	6
	Ophthalmology	Dr. Sidra Jabeen		0	1	1	4	2

ASSISTANT PROFESSORS BBH

Hospital	Department	Faculty Name	Designation	Workshops (5)			Deficit	CME Hor
				2023	2024	Total Attended		
Benazir Bhutto Hospital	Cardiology	Dr.Muhammad Asad	Assistant Professor	1	4	5	-	10
	Surgery	Dr. Asifa Dian		1	4	5	-	10
		Dr. Syed Rahat Hassan		1	3	4	1	8
		Dr. Huma Sabir Khan		1	3	4	1	8
	Infectious Diseases	Dr. Muhammad Mujeeb Khan		1	1	2	3	4
	Anesthesia	Dr. Waqas Anjum		1	2	3	2	6
	Ophthalmology	Dr. Ambreen Gull		1	2	3	2	6
	Orthopedic	Dr saad riaz		1	3	4	1	8
		Dr. Obaid Ur Rehman		1	2	3	2	6
	Paediatric	Dr. Aqeela Ayub		1	2	3	2	6
		Dr. Jawaria Zain		1	4	5	-	10
	Psychiatry	Dr. Mahmood Ali Khan Jafri		1	2	3	2	6
		Dr. Sadia Yasir		1	0	1	4	2
		Dr. Sadia Majid		1	1	2	3	4
		Dr. Muhammad Azeem Khan		1	0	1	4	2
		Dr. Qurrat-ul Ain		1	2	3	2	6
	Orthopedic	Dr. Muhammad Hassan		1	2	3	2	6
	Neuro	Dr. Waqas Ahmed		1	3	4	1	8
	Gynae	Dr. Nighat Naheed		1	3	4	1	8
	ENT	Dr. M. Arshad		1	3	4	1	8
		Dr Nida Riaz		1	3	4	1	8
	Anesthesia	Dr. Abeera Zareen		1	0	1	4	2
	Radiology	Dr. Hina Hanif Mughal		0	1	1	4	2
	Family Medicine	Dr. Sadia Khan		1	2	3	2	6
	Dermatology	Dr Shawana Sharif		1	3	4	1	8

ASSISTANT PROFESSORS RTH

Hospital	Department	Faculty Name	Designation	Workshops (5)			Deficit	CME Hours
				2023	2024	Total Attended		
Rawalpindi Teaching Hospital		Dr. Faran Maqbool	Assistant Professor	1	3	4	1	8
	Medicine	Dr. Zaid Umer		1	3	4	1	8
	Pulmonology	Dr. Ayesha Nazir		1	3	4	1	8
	Anesthesia	Dr. Ramlah Ghazanfar		1	0	1	4	2
	Surgery	Dr. Soban Sarwar Gondal		1	3	4	1	8
	Neuro	Dr. Hina Sattar		1	3	4	1	8
	Paediatric	Dr. Fatima tuz zuhra		1	0	1	4	2
	Pathology	Dr. Tabassum Aziz		1	2	3	2	6
	ENT	Dr. Faisal Mehmood		1	1	2	3	4
	Radiology							

SENIOR REGISTRAR HFH

Hospital	Department	Faculty Name	Designation	Workshops (5)			Deficit	CME hours
				2023	2024	Total Attended		
Holy Family Hospital	Surgery	Dr Syed Waqas Hassan	Senior Registrar	1	3	4	1	8
		Dr Rubina Shahzad Maternity		2	2	4	1	8
		Dr Sidra Mahmood Dar		1	2	3	2	6
		Dr Faiza Firdous		2	1	3	2	6
		Dr. Juniad Azaad		1	1	2	3	4
		Dr. Sara Malik		1	2	3	2	6
		Dr. Amjad Umair		1	3	4	1	8
		Dr. Asad Amir		1	3	4	1	8
		Dr Hafiza. Kiran Saleem		1	3	4	1	8
		Dr. Qasim Ali		0	0	0	5	0
		Dr. Asif Hayat Khan		1	4	5	-	10
		Dr. Aamna Nazir		1	4	5	-	10
		Dr. Abdual Qadir		1	2	3	2	6
		Dr. Zahid Rasheed		1	2	3	2	6
	Medicine	Dr. Muhammad Umer Draz	Senior Registrar	1	4	5	-	10
		Dr. Seemab Abid		1	4	5	-	10
		Dr. Iqra Ashraf		1	3	4	1	8
		Dr Madeeha Nazar		2	1	3	2	6
		Dr. Unaiza Sharif		1	2	3	2	4
		Dr. Maryam Imtiaz		1	0	1	4	2
		Dr. Asif Jalil		1	2	3	2	6
		Dr. Aimen Malik		1	1	2	3	4
	Gastroenterologist	Dr. Tayyab Saeed		1	1	2	3	4
		Dr Anum Abbas		1	3	4	1	8
		Dr. Misbah sattar		1	3	4	1	8
		Dr. Aqsa Naseer		1	4	5	-	10
		Dr. Anam Shakeel		2	1	3	2	6
		Dr. Javaria Zahid Khan		1	0	1	4	2
	Neurologist	Dr. Ammad Ul Haq		1	2	3	2	6
		Dr. Fraz Mehmood		1	2	3	2	6
	Orthpeadic	Dr. Imtiaz Ahmad Shakir		1	4	5	-	10
		Dr. Tahira Yasmeen		1	4	5	-	10
		Dr Zainab Maqsood	Senior Registrar	1	2	3	2	6

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	Gynaecologist	Dr. Sarah Ejaz Abbasi		1	2	3	2	6
		Dr. Warda Sajjal		2	1	3	2	6
		Dr. Beenish Altaf	Senior Registrar	1	1	2	3	4
		Dr. Sania Ali		1	1	2	3	4
		Dr. Amna Abbasi		1	3	4	1	8
		Dr. Saira Ahmed		1	3	4	1	8
		Dr. Saima Khurshid		2	1	3	2	6
		Dr. Sabeen Ashraf		2	1	3	2	6
		Dr Sadia Bano		1	1	2	3	4
		Dr. Saba Yousaf		1	2	3	2	6
		Dr. Anam Tassadaq		1	2	3	2	6
	Opthamology	Dr Sidra Naseem		1	3	4	1	8
		Dr. Saira Bano		1	1	2	3	4
		Dr. Fatima Sidra Tanweer		1	3	4	1	8
	Radiology	Dr. Aniqua Saleem		0	5	5	-	10
		Dr Saba Binte Kashmir		1	4	5	-	10
	Anaesthesia	Dr. Asma Shahid		1	2	3	2	6
	Peads	Dr. Sonia Fazal	Senior Registrar	1	2	3	2	6
		Dr Ayesha Tariq		2	1	3	2	6
		Dr Noshina Riaz		1	1	2	3	4
		Dr. Muhammad Hafeez		1	2	3	2	6
		Dr Jawaria Zia		1	1	2	3	4
		Dr. Saima Akhter		1	1	2	3	4
		Dr. Uzma Abid		1	3	4	1	8
		Dr. Shahzadi Sumbal Ghazi		1	0	1	4	2
		Dr. Maryam Amjid		1	2	3	2	6
		Dr. Qurrat-ul-Ain		0	0	0	5	0
		Dr. Nadia Mumtaz		1	0	1	4	2
		Dr. Afrah Tariq		1	1	2	3	4
		Dr. Bushra Iqbal		1	2	3	2	6
		Dr. Nazia Rafique		1	0	1	4	2
		Dr. Jawad Ahmad Khan		1	2	3	2	6
		Dr. Ali Raza Chaudhry		0	5	5	-	10
	Plastic Surgery	Dr. Palwasha Mansoor		1	2	3	2	6
		Dr. Umer Farooq Chisti		1	2	3	2	6

SENIOR REGISTRAR BBH

Hospital	Department	Faculty Name	Designation	Workshops (5)			Deficit	CME Hour
				2023	2024	Total Attended		
Benazir Bhutto Hospital	ENT	Dr. Farhat Jabeen Malik	Senior Registrar	-	-	-	-	0
		Dr Fatima Shahid		-	-	-	-	0
	Medicine	Dr. Sadaf Zaman		1	3	4	1	8
		Dr Arshad Rabbani		2	1	3	2	6
		Dr. M. Rizwan Mahmud		1	3	4	1	8
		Dr. Sualeha Ahmad		1	3	4	1	8
		Dr. Imran Arshad		1	4	5	-	10
		Dr. Sana Ahmad		1	3	4	1	8
		Dr. Shahbaz Ashraf		1	2	3	2	6
		Dr. Shaheer Ahsan		1	0	1	4	2
		Dr. Rana Ali Murtaz		1	2	3	2	6
	Surgery	Dr. Toba Iqbal		1	2	3	2	6
		Dr.Muzna Iftikhar		1	2	3	2	6
		Dr. Sarmad Arslan		2	1	3	2	6
		Dr Nazan Hassan		1	3	4	1	8
		Dr. Iffat Noureen		2	1	3	2	6
	Gynaecologist	Dr Hina Gull	Senior Registrar	1	0	1	4	2
		Dr. Humaira Masood		1	3	4	1	8
		Dr. Asima Khan		1	4	5	-	10
		Dr. Ismat Batool		1	1	2	3	4
		Dr Mariam Zahir		1	4	5	-	10
		Dr Shumaila Hamid		1	4	5	-	10
		Dr. Ayesha Zulfiqar		1	3	4	1	8
	Paeds	Dr Isfand Yar Khan		1	0	1	4	2
		Dr Syeda Mamoonah Qudrat		1	1	2	3	4
		Dr. Maria Shamsheer		1	1	2	3	4

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		Dr. Muhammad Asim		1	1	2	3	4
		Dr. Sadaf Ijaz		1	2	3	2	6
		Dr. Amal Hasham		1	3	4	1	8
		Dr. Muneeba Iqbal		1	1	2	3	4
		Dr. Naila		1	1	2	3	4
		Dr. Huma Asgher		1	1	2	3	4
		Dr. Syrah Liaqat		1	0	1	4	2
	Ophthalmology	Dr. Wajeeha Rasool	Senior Registrar	1	4	5	-	10
		Dr. Saher umer		1	4	5	-	10
		Dr. Maria Waqas		1	2	3	2	6
	Anaesthesia	Dr. Ayesha Saleem		1	3	4	1	8
	Orthopaedic	Dr. Rana Muhammad Adnan		1	3	4	1	8
		Dr. Junaid Khan		0	5	5	-	10
		Dr. Muhammad Hassan		1	3	4	1	8
		Dr. Muhammad Mobushir		1	1	2	3	4
		Dr. Shahzad Anjum		1	4	5	-	10
	Psychiatry BBH	Dr. Zarnain Umar		1	1	2	3	4
		Dr. Sara Afzal		1	0	1	4	2
		Dr. Zona Tahir		1	3	4	1	8
	Radiology	Dr. Fizza Batool		1	2	3	2	6
		Dr. Qurat Ul Ain		1	2	3	2	6
	Cardiology	Dr. Ifrah Tahir		1	4	5	-	10
		Dr. Fauzia Nazir		-	-	-	-	0
		Dr. M Asif Iqbal		1	3	4	1	8
	Nephrologist	Dr. Mudassar Murtaza Cheema		1	4	5	-	10
	Urology	Dr. Muhammad Ameen	Senior Registrar	1	3	4	1	8
		Dr. Rameez Ahmed Mughal		1	2	3	2	6
		Dr. Faraz Basharat Khan		1	4	5	-	10
	Dermatology	Dr. Zainab Tariq		1	4	5	-	10

SENIOR REGISTRAR RTH

Hospital	Department	Faculty Name	Designation	Workshops (5)			Deficit	CME Hours
				2023	2024	Total Attended		
Rawalpindi Teaching Hospital	ENT	Dr. Sundas Masood	Senior Registrar	1	4	5	-	10
	Surgery	Dr. Malik Irfan Ahmad		1	0	1	4	2
		Dr Ali Kamran		1	2	3	2	6
		Dr. Ramlah Ghazanfor		1	1	2	3	4
		Dr. Samra Riaz		1	1	2	3	4
	Medicine	Dr. Shamaila Mumtaz		1	1	2	3	4
		Dr. Tahira Yasmeen		1	4	5	-	10
	Gynaecologist	Dr. Ruqyyah Salim		1	2	3	2	6
		Dr. Tabinda Khalid		1	4	5	-	10
		Dr Shehla Manzoor		1	3	4	1	8
		Dr. Masooda Rasheed		1	4	5	-	10
		Dr. Naila Nazir Abbasi		1	4	5	-	10
	Neurologist	Dr. M. Usman Malik		1	3	4	2	8
		Dr. Muhammad Yousaf		1	1	2	3	4
		Dr. Samra Javed	Senior Registrar	1	1	2	3	4
	Nephrologist	Dr. Saima Mir		1	4	5	-	10
	ophthalmolgist	Dr. Salman Taqir Tossy		1	3	4	2	8
	Orthopaedic	Dr. Muhammad Ali		1	4	5	-	10

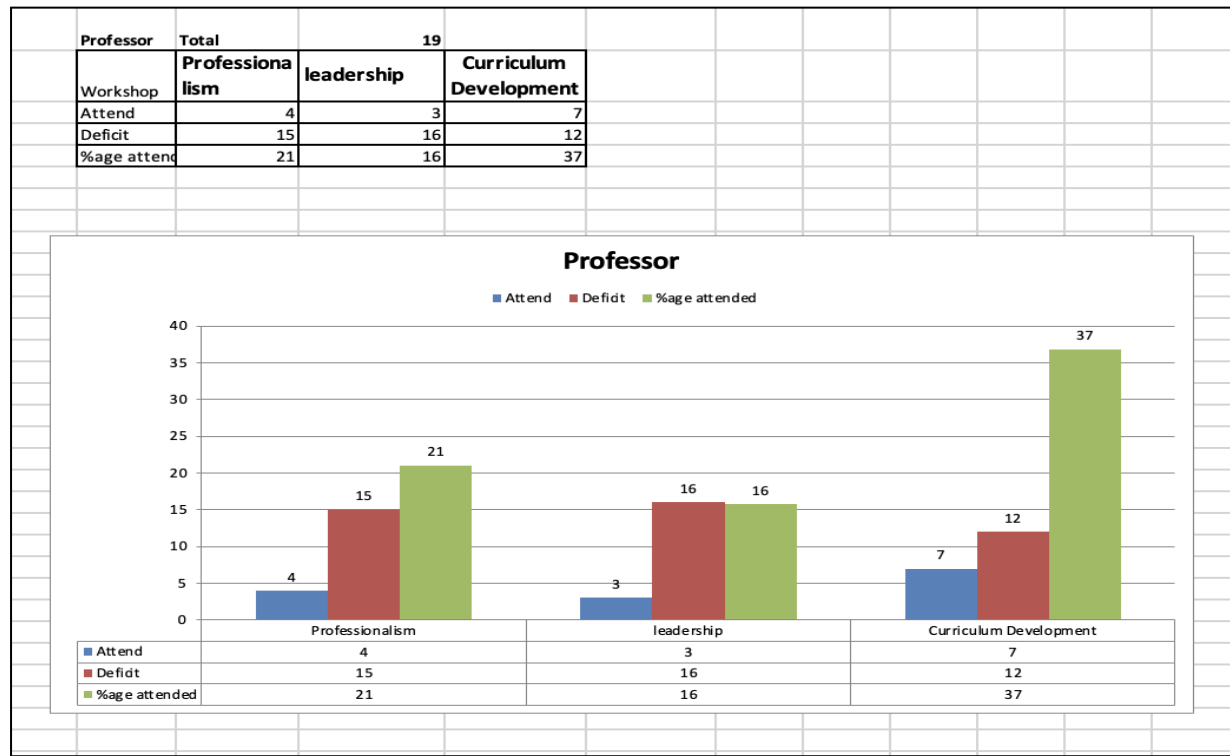
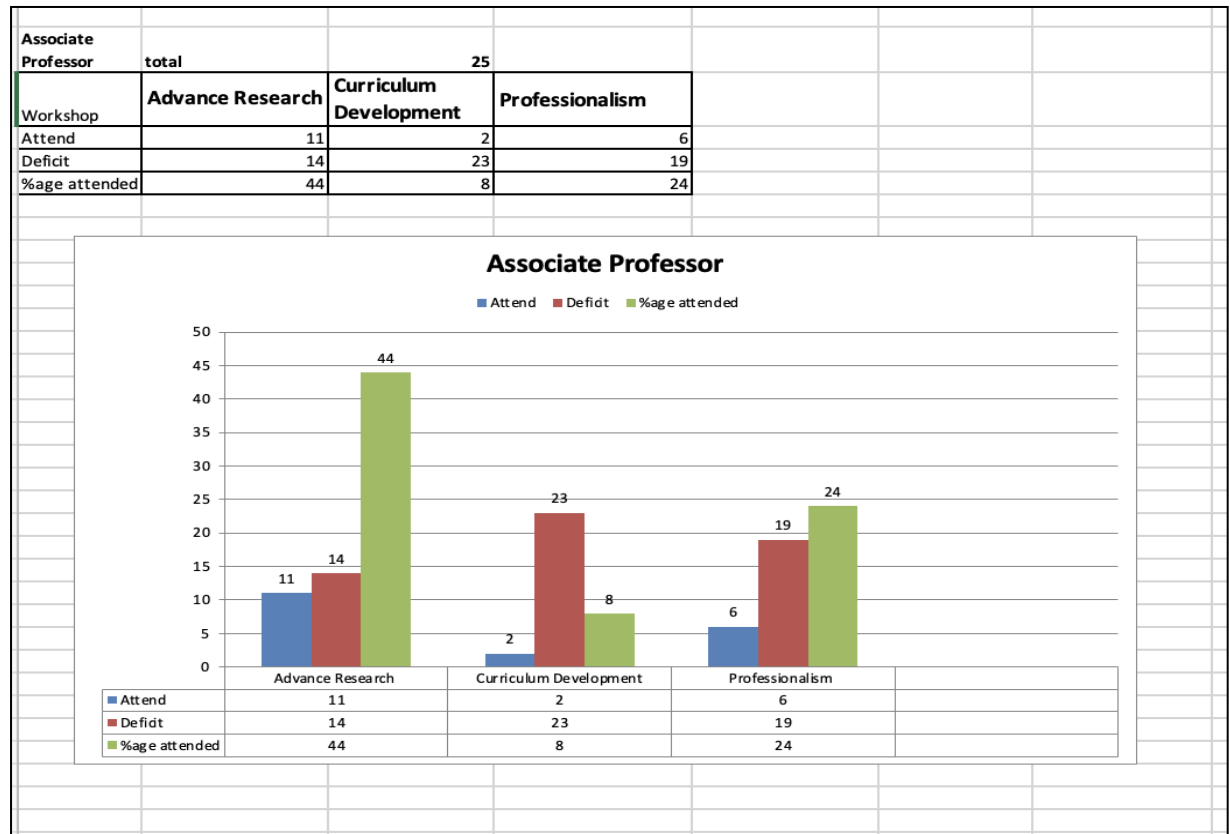
Table:1 Workshops Attended by Professors 2023/2024**Table: 2 Workshops Attended by Associate Professors 2023/2024**

Table : 3 Workshops Attended by Assistant Professors 2023/2024

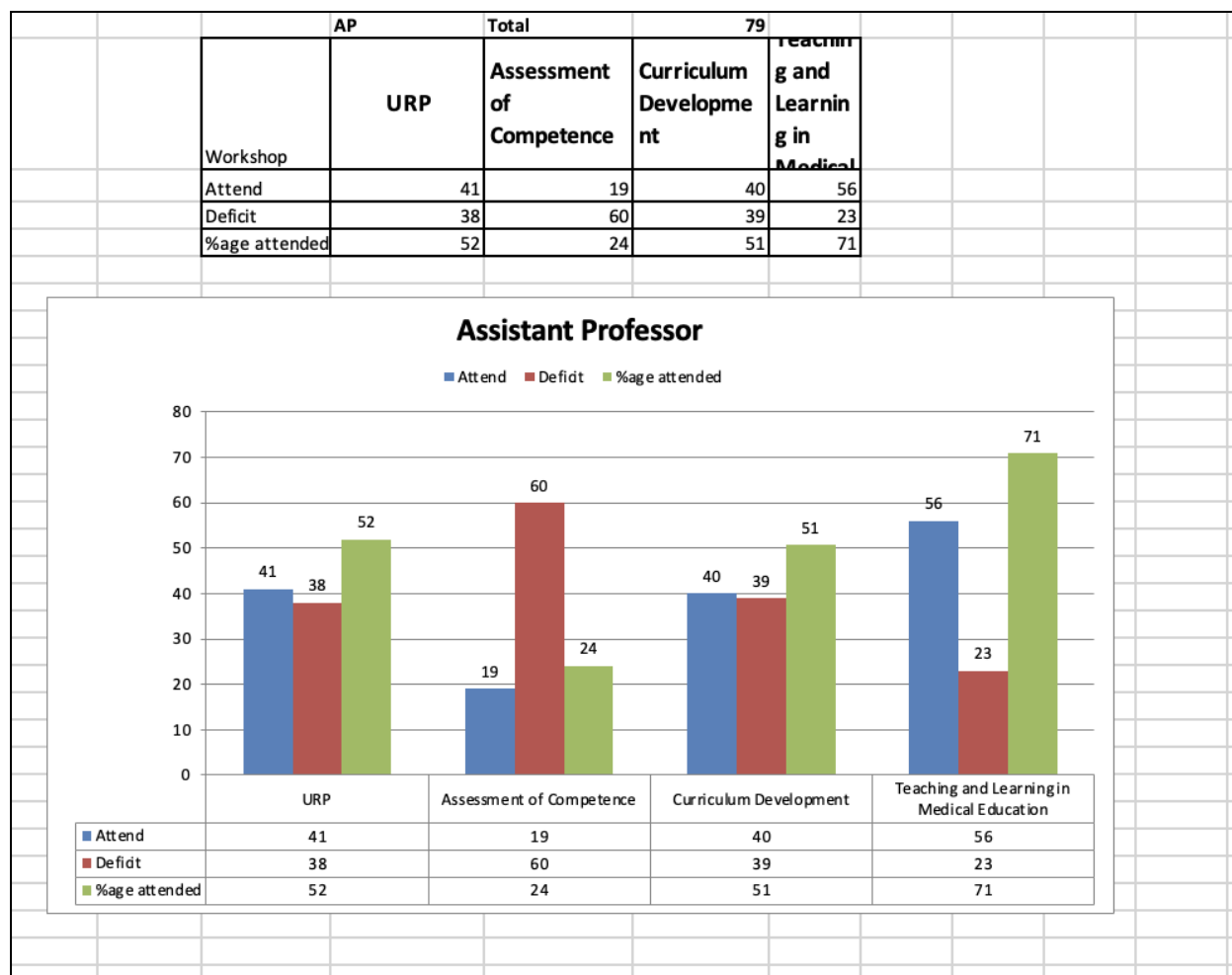


Table : 4 Workshops Attended by Senior Registrars2023/2024

SR	Total	140							
Workshop	Educational Planning & Evaluation	Supervisory Skills	Assessment of Competence	Curriculum Development	Teaching and Learning in Medical Education				
Attend	82	70	71	22	69				
Deficit	58	70	69	118	71				
%age attended	59	50	51	16	49				

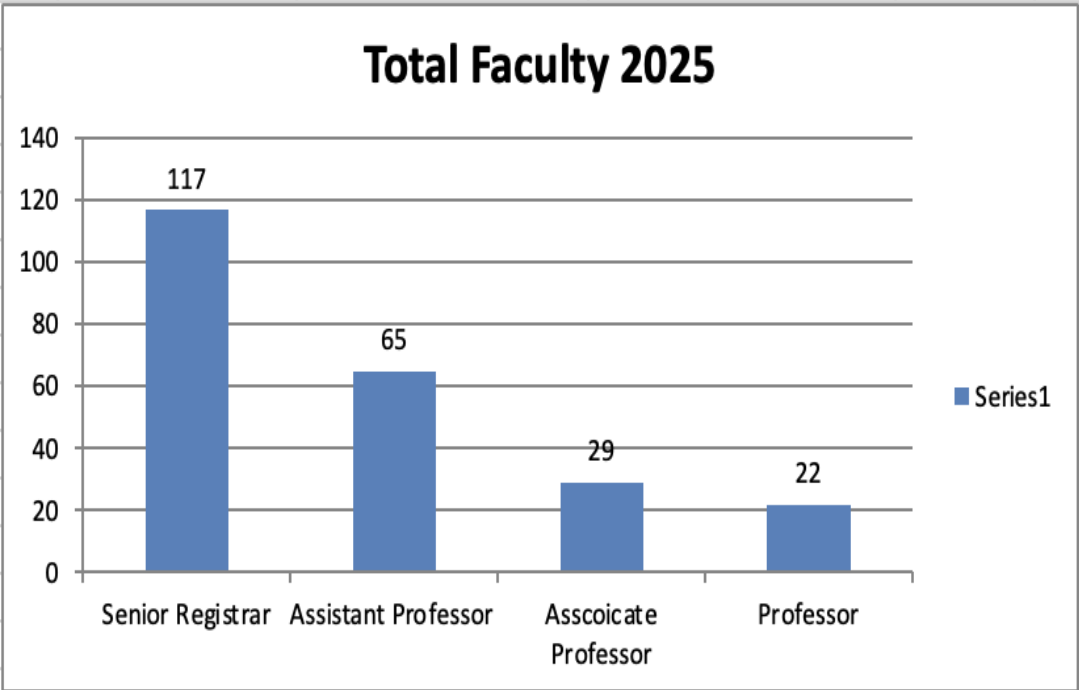
Senior Registrar

Attend Defidt %age attended

	Educational Planning & Evaluation	Supervisory Skills	Assessment of Competence	Curriculum Development	Teaching and Learning in Medical Education
Attend	82	70	71	22	69
Defidt	58	70	69	118	71
%age attended	59	50	51	16	49

Faculty RMU 2025

Total Faculty 2025			
Senior Registrar	Assistant Professor	Asscoicate Professor	Professor
117	65	29	22



Workshops Attended By Faculty Till Feb 2025

Workshops Attended by Faculty							
UFDP WORKSHOP 2025							
Sr. No	Designation	Total Faculty	Educational Planning & Evaluation	Supervisory Skills	Assessment of Competence	Curriculum Development	URP
1	Senior Registrar	117	68	67	58	17	73
2	Assistant Professor	65	Educational Planning &	Supervisory Skills	Assessment of Competence	Curriculum Development	URP
			8	13	15	29	32
3	Associate Professor	29	leadership		Research Methodology,Biostatistics and medical writing		Professionalism
			6		0		4
4	Professor	22	leadership		Research Methodology,Biostatistics and medical writing		Professionalism
			4		0		4

Workshop Calendar 2025

Date	Workshop name	Facilitators	Target audience	Focal person
Phase 1				
23rd Jan	Enhancing teaching skills for basic health sciences	Dr Ayesha Yousaf Dr Arsalan Manzoor Dr Syeda Sara Bano	Basic science Faculty	Dr Rizwana Shahid
10-11th Feb	Supervisory Skills	Dr Sadia Khan Dr Sobia Nawaz	Assistant Professor, SR	Dr Rizwana Shahid
12th Feb	Quality Assurance of Postgraduate Program Evaluation (URP)	Dr Arsalan Manzoor Dr Rabiya Khalid Dr Rizwana Shahid	Assistant Professor, SR	Dr Rizwana Shahid
19-20th Feb	Educational planning and evaluation	Dr Humaira Noreen Dr Ismat Tanveer	Assistant Professor, SR	Dr Rizwana Shahid
Ramzan Break				
10-11th Apr	Assessment of competence	Dr Arsalan Manzoor Dr Maria Waqas Dr Imtiaz Ahmad Shakir	Assistant Prof, SR	Dr Rizwana Shahid
16th Apr	Competency-Based Medical Education (CBME): Curriculum Design and Implementation	Dr Sadia Chaudhry Dr. Rizwana Shahid	Assistant, SR	Dr Rizwana Shahid
13th May	Mastering Digital Tools for Medical Education	Dr Sadia Chaudhry Dr Hina Hanif Dr Mohammad Ali	Assistant, SR	Dr Rizwana Shahid
15th May	Resilience and Emotional Intelligence for Educators	Dr Malik Irfan Ahmed Dr Soban Sarwar	Professors, Associate Prof, Assist Prof	Dr Rizwana Shahid
20th May	Principles of professionalism to elevate work performance	Dr Azeem Rao	Professors, Associate Prof	Dr Rizwana Shahid
22nd May	Advanced Presentation and Public Speaking Skills	Dr Sajid Rashid Dr Omaira Asif	SR	Dr Rizwana Shahid

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27-28th May	Research methodology, biostatistics and medical writing	Dr Rizwana Shahid Dr Sadia Chaudhry	Professors, Associate Prof	Dr Rizwana Shahid
12th Jun	Teaching Patient-Centered Communication Skills	Dr Sadaf Mumtaz Dr Sidra Qaiser	Assist Prof, SR	Dr Rizwana Shahid
17th Jun	Stress and anger management to maintain work life balance	Dr Azeem Rao	Assist Prof, SR	Dr Rizwana Shahid
24th Jun	Transformational Leadership in Medical Academia	Dr Humaira Bilquis Dr Ambreen	Professors, Associate Prof	Dr Rizwana Shahid
Phase 2				
3-4th Jul	Supervisory Skills	Dr Sadia Khan Dr Sobia Nawaz	Assistant Professor, SR	Dr Rizwana Shahid
15th Jul	Quality Assurance of Postgraduate Program Evaluation (URP)	Dr Arsalan Manzoor Dr Rabiya Khalid Dr Rizwana Shahid	Assistant Professor, SR	Dr Rizwana Shahid
5-6th Aug	Educational planning and evaluation	Dr Humaira Noureen Dr Ismat Tanveer	Assistant Professor, SR	Dr Rizwana Shahid
19-20th Aug	Assessment of competence	Dr Arsalan Manzoor Dr Maria Waqas Dr Imtiaz Ahmad Shakir	Assistant Prof, SR	Dr Rizwana Shahid
3rd Sept	Competency-Based Medical Education (CBME): Curriculum Design and Implementation	Dr Sadia Chaudhry Dr. Rizwana Shahid	Assistant, SR	Dr Rizwana Shahid
16th Sept	Mastering Digital Tools for Medical Education	Dr Sadia Chaudhry Dr Hina Hanif Dr Mohammad Ali	SR	Dr Rizwana Shahid
23rd Sept	Resilience and Emotional Intelligence for Educators	Dr Malik Irfan Ahmed Dr Soban Sarwar	Professors, Associate Prof, Assist Prof	Dr Rizwana Shahid
14th Oct	Principles of professionalism to elevate work performance	Dr Azeem Rao	Professors, Associate Prof	Dr Rizwana Shahid
21st Oct	Advanced Presentation and Public Speaking Skills	Dr Sajid Rashid Dr Omaira Asif	SR	Dr Rizwana Shahid

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5-6th Nov	Research methodology, biostatistics and medical writing	Dr Rizwana Shahid Dr Sadia Chaudhry	Professors, Associate Prof	Dr Rizwana Shahid
11th Nov	Teaching Patient-Centered Communication Skills	Dr Sadaf Mumtaz Dr Sidra Qaiser	Assist Prof, SR	Dr Rizwana Shahid
18th Nov	Stress and anger management to maintain work life balance	Dr Azeem Rao	Assist Prof, SR	Dr Rizwana Shahid
4th Dec	Transformational Leadership in Medical Academia	Dr Humaira Bilquis Dr Ambreen	Professors, Associate Prof	Dr Rizwana Shahid
Dec	Conference RMU			

Gantt Chart UFDP 2025

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Photo Gallery 2023/2024



Future Horizon

Based on the encouraging feedback from participants, the University Faculty Development Program (UFDP) aims to expand its scope further.

Upcoming sessions will focus on engaging the remaining faculty members to ensure maximum participation.

New modules addressing emerging trends in medical education and research will be introduced.

Continuous improvement and innovation will remain the program's core principles.

UFDP envisions building a stronger academic community committed to excellence, leadership, and lifelong learning.

Office of Research, Innovation and Commercialization (ORIC)



Introduction

ORIC RMU (Office of Research, Innovation, and Commercialization at RMU) was established in July 2019 to foster a culture of research and innovation at the institution. It aims to bridge the gap between academia and industry, promoting knowledge transfer and commercialization of research outcomes.

Vision

To lead RMU to be the most innovative medical university by promoting world-class bio-medical research and creative research activities that will improve our health care system and social advancement.

Mission

Transforming RMU to drive high impact innovation, applied research, and entrepreneurship.

Aims and Objectives

- Fundraising and acquiring grants for research and development
- Supporting the university's strategic research directions and plans
- Mobilize faculty and resources to produce quality research publications
- Improve the Human Resource Development Program and explore funding for the establishment of Research Labs at various Departments
- Strengthen international linkages based on collaborative research proposals for international funding
- Hold regular scientific seminars, symposium, etc. and promote the culture of interaction and sharing of scientific knowledge with researchers around the world.

Policies Developed by ORIC-RMU

ORIC RMU has developed a range of comprehensive policies to support research, innovation, and commercialization. These policies are designed to facilitate a structured approach to research funding, intellectual property management, and industry collaborations. By establishing clear guidelines, ORIC RMU ensures that both faculty and students have the resources and support needed to translate their ideas into impactful solutions.

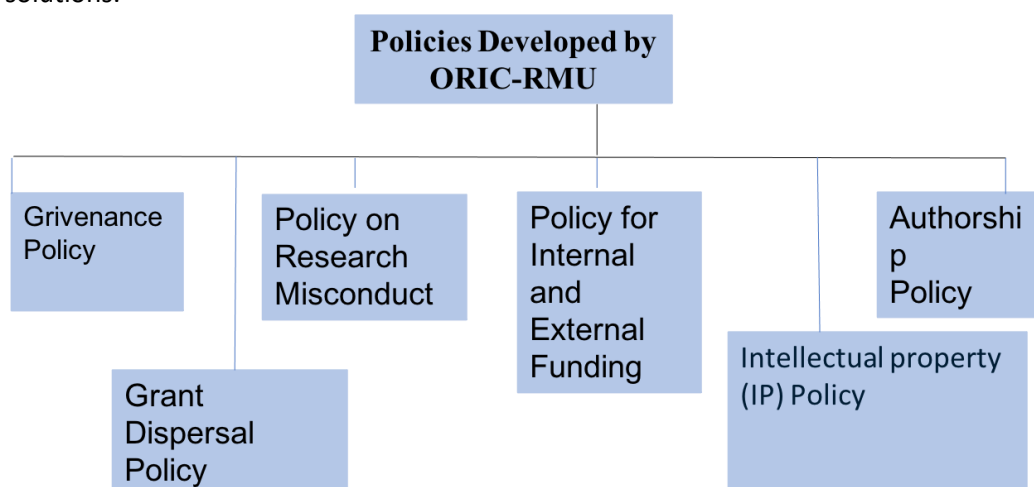
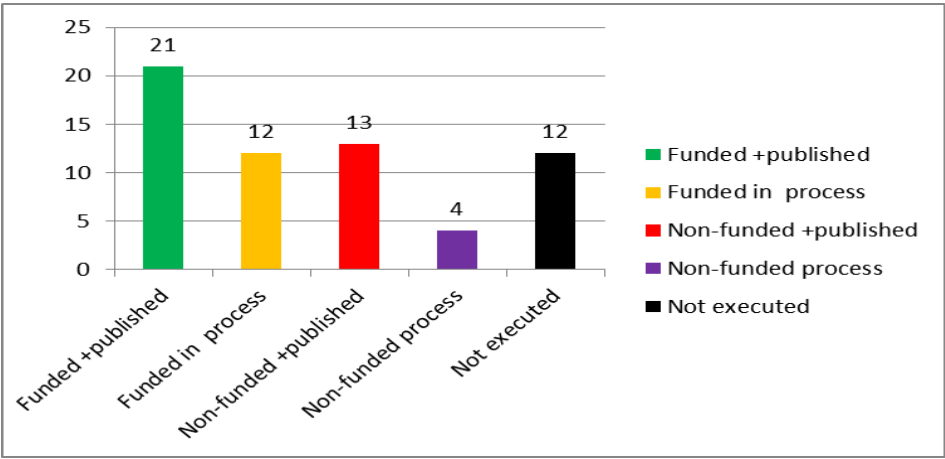


Figure 1 Pictorial Representation of Policies developed by ORIC-RMU.

Research Projects from 2019-2023

From 2019 to 2024, ORIC RMU has received a total of 62 research projects, reflecting the growing interest and commitment to innovation and research at the institution. These projects span a wide range of fields, showcasing the diverse expertise and collaborative spirit of RMU’s faculty and students.

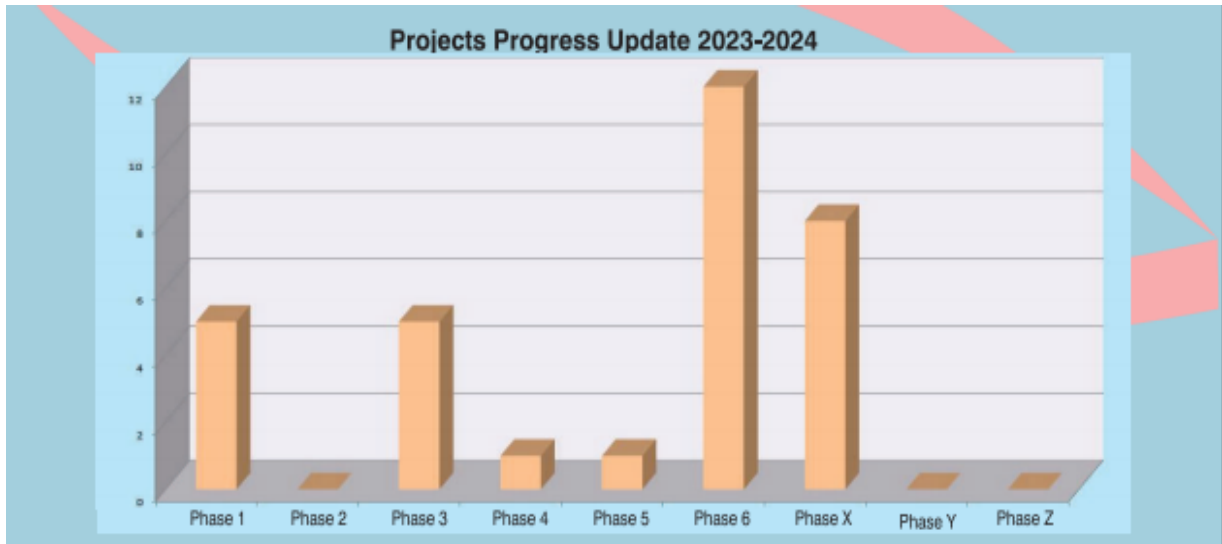


Key Phases of research projects at ORIC-RMU

At ORIC RMU, we have developed distinct categories for various research projects to ensure a focused and organized approach. These categories help streamline the research process, from basic research to applied innovations, and promote collaboration across different disciplines. By categorizing projects, we aim to align research efforts with industry needs and societal challenges, fostering impactful and relevant outcomes.

Phase 1	Newly submitted
Phase 2	Approved from ERB + BASAR
Phase 3	Approved from RPEC
Phase 4	Research Grant Committee
Phase 5	Execution + publication
Phase 6	Completion + Audit
Phase X	Project not executed X
Phase y	Ambiguous Y
Phase Z	Published without RMU

Progress on Status of PhD Faculty Projects from 2023-2024



ACTIVE Projects at ORIC-RMU 2025

- WEB-BASED Research Grant Management system
- Establishment of BSL3 Lab
- National and International Collaboration
- Establishment of Joint Digital Health Labs
- Establishment of Incubation Center
- Establishment of Animal House



Project Titles	University/institution and Collaboration	Proposed Budget
Medical Aid Teaching Rescue emergency support system	RMU & EZ 1ST	6.0 Million
Post and Epidemic Communication, Strategies to Improve Patient's Health Care. Surveillance and Tracking System in Pakistan: An Integrated Model	RMU & EZSHIFA + 1ST	3.5 Million
SDGS 2030 Health Delivery Model	RMU & EZSHIFA + 1ST	3.5 Million
EMO CARE of climate. Management environment, energy & economy Waste auto treatment machine supported by combined source Of energy	RMU & Nust	In Progress
Third Gender Healthcare Initiative	RMU & RCAP	HEC Saeed Grant

Project Titles	PI and Co-PI	University/institution and Collaboration	Proposed Budget
Decentralized AI Surveillance System Video	Prof Yasir Ayaz	RMU and NCAI.NUST	Rs.14971756
Pancreatic Cancer Detection using Deep Learning for ROSE during EUS guided FNAC	Prof Yasir Ayaz and Dr Umer Asghar Dr Tayyaba Ali	RMU and NCAI.NUST	Rs.13549804
Innovative imaging Artificial Intelligence (AI) based diagnostic tools for detection of stroke paradigm with clinical validation on local Datasets	Prof Nasir Khan and Dr Ume Kalsoom	RMU and Institute of Health Innovation and Education, Neurocare AI Academy	Rs.1.1 Million



Libraries Development



The library development projects at Rawalpindi Medical University (RMU) are essential for creating a modern, resource-rich, and user-friendly academic environment. While significant progress has been made in some areas, such as the purchase of books and subscriptions to international medical journals, other critical projects, including the reorganization of libraries and access to digital resources, require immediate attention. This report provides a detailed analysis of the library development initiatives undertaken between 2017 and 2024, along with recommendations to address gaps and ensure consistent implementation.

Library Resources & Digital Access

Sr#	Project Name	2017	2018	2019	2020	2021	2022	2023	2024	% Achieved
1	Books Purchased (Rs.11.0M)									100%
2	International Medical Journals (Rs.1.5M)									100%
3	HEC Digital Library									100%
4	UpToDate Database									100%
5	Renovation of Libraries									100%

Introduction

Libraries play a pivotal role in academic and research institutions by providing access to knowledge, resources, and a conducive learning environment. At Rawalpindi Medical University (RMU), the library development projects aim to modernize the libraries at the Main Campus (OTB) and New Teaching Block (NTB). This report evaluates the progress of these projects from 2017 to 2024, identifies gaps, and provides actionable recommendations to enhance the libraries' contribution to academic excellence.

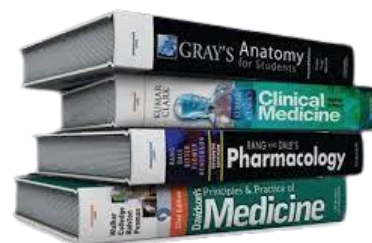
Overview of Library Development Projects

The following table summarizes the financial allocations and progress of key library development projects from 2017 to 2024:

Detailed Analysis of Each Project

Books Purchased

- 2017-2018: Rs. 10 million (significant investment to build the foundational collection).
- 2021-2022: Rs. 592,663/- (modest allocation, possibly for specific or supplementary purchases).
- 2023-2024: Rs. 219,000/- (minimal allocation, indicating a potential reduction in focus or budget constraints).



3.2 International Medical Journals

- Objective: To provide access to high-impact international medical journals, enabling students, faculty, and researchers to stay updated with the latest advancements in medical science.

Financial Allocations:

- 2017-2018: Rs. 1,532,853/- (initial investment to establish access to key journals).
- 2019-2020: Rs. 1,146,991/- (slight reduction, possibly due to budget adjustments).
- 2021-2022: Rs. 1,670,288/- (increased allocation, reflecting the importance of these resources).



3.3 HEC Digital Library

- Objective: To provide access to the Higher Education Commission (HEC) Digital Library, offering a vast collection of academic resources, including journals, articles, and research papers.
- Status: No financial data or implementation details are provided for the specified years.
- Access Scope: The HEC Digital Library is designed to support students, researchers, and faculty members across various academic disciplines.
- Resource Availability: The platform provides access to numerous internationally recognized journals, databases, and research materials to enhance academic excellence.
- Impact: The initiative aims to bridge the knowledge gap by providing equitable access to high-quality academic resources, fostering research and innovation in Pakistan.



3.4 UpToDate Database

- Objective: To subscribe to the UpToDate database, a clinical decision support resource that provides evidence-based information to healthcare professionals.

- Status: No financial data or implementation details are provided for the specified years.
- The UpToDate system is an evidence-based clinical resource. It includes a collection of medical and patient information, access to Lexicomp drug monographs and drug-to-drug interactions, and a number of medical calculators. UpToDate is written by over 7,100 physician authors, editors, and peer reviewers.



3.5 Reorganization of Libraries (DDC)

- Objective: To reorganize the libraries using the Dewey Decimal Classification (DDC) system, ensuring efficient cataloging and ease of access to resources.
- Status: No financial data or implementation details are provided for the specified years.
- Recommendations:
 - Develop a detailed plan for reorganizing the libraries according to DDC standards.
 - Allocate a budget for staff training, software, and physical reorganization.
 - Ensure the project is completed within a defined timeline to minimize disruption to library services.



3.6 Renovation of Libraries

- Objective: To renovate the libraries, including upgrades to furniture, lighting, and overall infrastructure, to create a modern and welcoming space for users.
- Status: No specific details are provided.
- Recommendations:
 - Conduct a comprehensive assessment of the libraries' physical infrastructure to identify areas requiring renovation.
 - Allocate a budget for renovation and ensure timely execution.

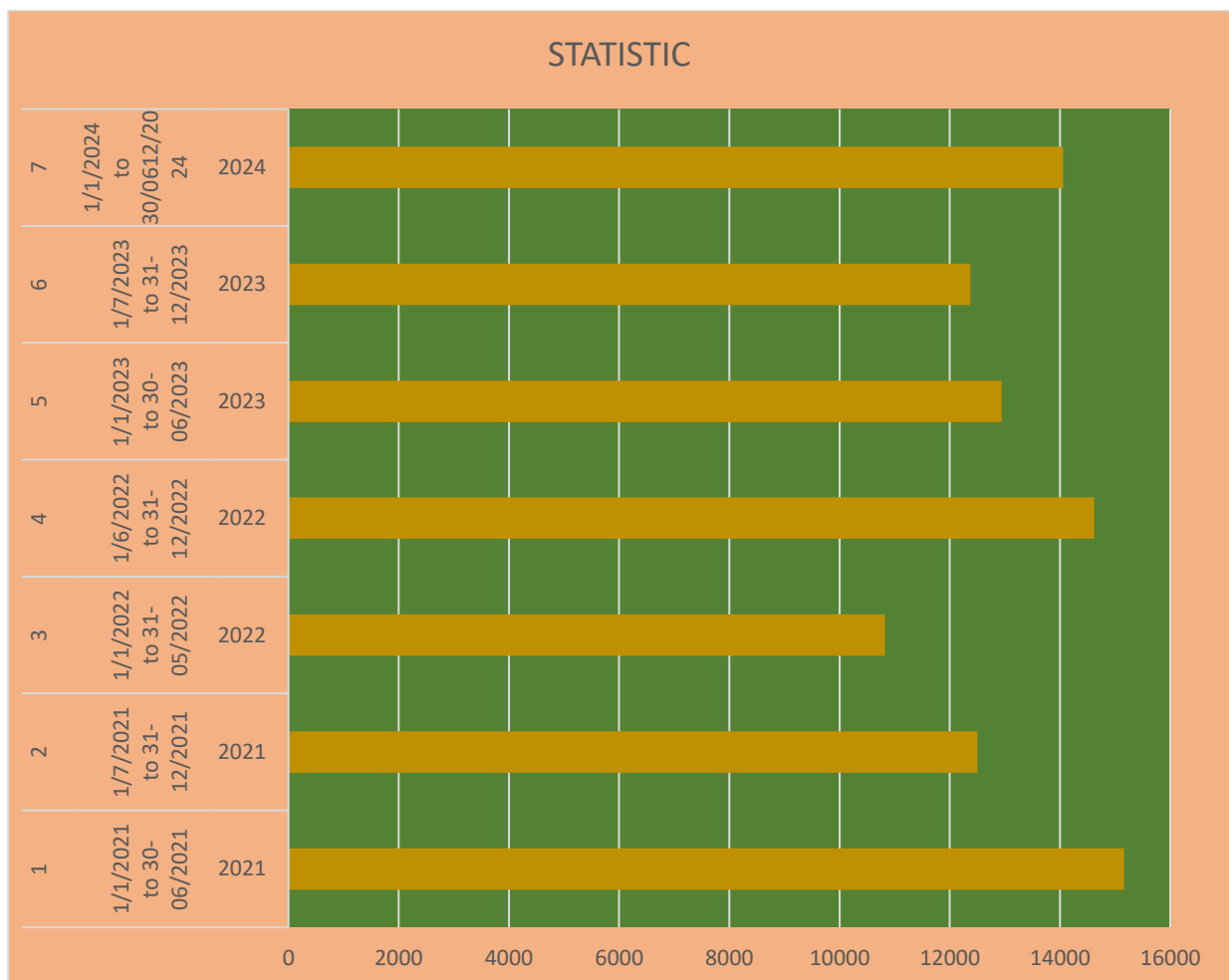


3.7 Air Conditioner Installation (NTB & OTB)

- Objective: To install air conditioning systems in the New Teaching Block (NTB) and Old Teaching Block (OTB) libraries to provide a comfortable environment for students and staff.
- Status: No data is available for the specified years.
- Recommendations:
 - Prioritize the installation of energy-efficient air conditioning systems to improve the study environment.
 - Allocate a budget for procurement and installation.

4. Conclusion

The library development projects at Rawalpindi Medical University are critical for creating a world-class academic resource center. By addressing the gaps identified in this report and ensuring consistent funding and implementation, RMU can significantly enhance its libraries' contribution to academic and research excellence. Regular updates and transparent reporting on the progress of these projects will help maintain momentum and ensure accountability.



Department of Examination



Rawalpindi Medical University is premier university established in 2017 and very swiftly became examining university in short span of 3 year far ahead of other distinguish medical universities. Examination Department was established in 2019 under section 34 (Chapter-V) of (RMU Act 2017). The examination department has been conducting Undergraduate Programs MBBS, Allied Health Sciences. Entrance test of various Postgraduate diploma, Masters, MPhil and PhD Programs as well as summative assessments of MD/MS residency program, Diplomas, Fellowship in Interventional Pain Medicine and Masters in Health Professions Education (MHPE), Diplomas, M.Phil, MHPE and PhD programs.

The Examination Department of Rawalpindi Medical University has also conducted the National Licensing Examination (NLE) by Pakistan Medical Commission (PMC) in 2021-2022 and has been declared best national conducting center for NLE by Pakistan Medical Commission (PMC) in 2022.

The department has also conducted National Equivalence Board (NEB) examination three times in collaboration with Pakistan Medical & Dental Council (PM&DC) in year 2023-2024

Examination Cell Infrastructure & Equipment

S#	Project Name	2017	2018	2019	2020	2021	2022	2023	2024	% Achieved
1	Dedicated Area & Departments for Exam Cell (Renovation and Upgradation)									100%
2	Equipment Procurement (OMR, CCTV, Lamination, Computers, Scanners, etc.)									100%

Year-wise Evolution of Examinations Conducted

S#	Examinations	YEARS				
		2021	2022	2023	2024	2025
1	MBBS					
2	BS (Hons)					
3	MD/MS					
4	PhD					
5	MHPE					
6	NLE/NEB					
7	DIPLOMA					
8	CERTIFICATE					

UNDERGRADUATE PROGRAMS

MBBS	Allied Health Sciences BS (Hons)
1st Professional MBBS	Optometry & Orthoptics
2nd Professional MBBS	Orthotics & Prosthetics
3rd Professional MBBS	Medical Imaging & Technology
4th Professional MBBS	Medical Laboratory Technology
Final Professional MBBS	Doctor of Physical Therapy

1. MBBS PROFESIONAL EXAMINATION

The first independent examination conducted by the examination department of RMU was 1st Professional MBBS in 2020-21. And now over the period of five years the examination department has conducted all professional examinations from 1st Professional MBBS till Final Professional MBBS.

MBBS Professional Examinations					
	2021	2022	2023	2024	2025
MBBS Professional Examinations	1 st Prof MBBS	1 st & 2 nd Prof. MBBS	1 st , 2 nd & 3 rd Prof. MBBS	1 st , 2 nd 3 rd & 4 th Prof. MBBS	1 st , 2 nd 3 rd , 4 th & Final Prof. MBBS
Total No. of Candidates	335	679	1046	1414	1740

2. ALLIED HEALTH SCIENCES PROGRAMS

The examination department of RMU has started conducting professional examinations for Institute of Allied Health Sciences, Rawalpindi Medical University, Rawalpindi since 2024. The examination was conducted for the following programs:

1. Doctor of Physical Therapy (DPT)
2. BSc (Hons) Optometry & Orthoptics (OPTO)
3. BSc (Hons) Orthotics & Prosthetics (O&P)
4. BSc (Hons) Medical Imaging Technology (MIT)
5. BSc (Hons) Medical Laboratory Technology (MLT)

Allied Health Sciences Examinations		
	2024	2025
AHS	1 st Year DPT & BS Hons	1 st Year & 2 nd Year DPT & BS Hons

Total No. of Candidates	105	Admission forms are awaited to be collected in Mid of March
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POSTGRADUATE PROGRAMS

3. MD/MS RESIDENCY PROGRAMS

Mid Term Assessment (MTA) 1st Annual' 2021 was the first ever summative assessment for MD/MS residency programs was conducted in July' 2021 for 09 different specialties by the examination department of RMU.

The Final Term Assessment (FTA) of MD/MS was conducted for the first time in January' 2022 in 06 different specialties.

Since 2021 the examination department conducts post graduate examinations twice a year, First Annual and Second Annual. Till now examination department is conducting theory & OSCE examinations in 14 specialties of MD/MS.

Specialties of MD/MS Residency Programs (Postgraduate)

Mid Training Assessment (MTA)		Final Training Assessment (FTA)	
Doctor of Medicine (MD)	Master of Surgery (MS)	Doctor of Medicine (MD)	Master of Surgery (MS)
Pediatrics Medicine	Surgery & Allied	Pediatrics Medicine	General Surgery
Medicine & Allied	Obstetrics & Gynecology	General Medicine	Obstetrics & Gynecology
Diagnostic Radiology	Otorhinolaryngology (ENT)	Diagnostic Radiology	Otorhinolaryngology (ENT)
Psychiatry	Anesthesia	Psychiatry	Anesthesia
	Ophthalmology	Nephrology	Orthopedic Surgery
		Dermatology	Ophthalmology
		Gastroenterology	Neurosurgery
		Cardiology	Pediatric Surgery
		Pulmonology	Urology
		infectious Diseases	Plastic Surgery
		Emergency Medicine	

The training of the candidates is carried out as per Accreditation Council for Graduate Medical Education (ACGME) residency model and the 360° evaluation is entered on specific performa and is kept in the portfolio of each candidate for maintaining the quality of training and level of competencies throughout his training period. This ensure to make wholesome, proficient and ethical future specialists.

The candidate will only be eligible to appear in the University exam after fulfillment of all the eligibility criteria during his training period. The candidate will first appear in theory examination conducted by the

examination department. Passing criteria is 60%. Only those candidates who score 60% or more than 60% will appear in OSCE.

The OSCE and clinical examinations are designed to test the candidates' practical skills/Clinical skills and decision-making abilities on real patients with positive findings, real time videos of indigenous patients, live organ surgeries and testing the skill on Ultrasonography machine, Ventilators, Anesthesia workstation, C-PAP machine and using various models, instrument and human bones.

A notable aspect of the process is that the results are promptly announced on the same day as clinical examination concluded, highlighting the RMU examination department dedication to efficient and timely assessment.

No. of candidates appeared in MD/MS Examinations				
Year	2021	2022	2023	2024
Final Term Assessment	--	17	84	120
Mid Training Assessment	63	115	109	109
Total No. of Candidates	63	132	193	229

4. POSTGRADUATE DIPLOMA PROGERAMS

The examination department has started conducting summative examinations since 2023.

The specialties of diploma programs are as follows:

1. Diploma in Child Health (DCH)
2. Diploma in Gynae Obs (DGO)
3. Diploma in Clinical Pathology (DCP)
4. Diploma in Anesthesia (DA)
5. Diploma in Health and Hospital Management (DHHM)
6. Diploma in Ophthalmic Medicine and Surgery (DOMS)
7. Diploma in Medical Radio-Diagnosis (DMRD)
8. Diploma in Family Medicine (DFM)
9. Diploma in Medical Jurisprudence (DMJ)
10. Fellowship Interventional Pain Medicine (FIPM)

No. of candidates appeared in Diploma Programs Exams			
Year	2022	2023	2024
Diploma First Year In-Training (DCH, DA, DOMS, DMJ, DGO, DHHM, DMRD, FIPM)	38	24	79

Diploma Second Year Final Assessment (DCH, DA, DOMS, DMJ, DGO, DHM, DMRD, FIPM)	---	38	25
No. of Total Candidates	38	62	104

5. MASTERS IN HEALTH PROFESSIONS EDUCATION (MHPE)

The examination department of RMU is conducting assessment of MHPE since 2021.

Till now we have theory examination 02 batches and OSTE for 1st Batch.

MHPE				
	2021	2022	2023	2024
Total No. of Candidates	26	23	23	22 (Batch 1) 17 (Batch 2)

6. PhD PROGRAMS

- PhD in Microbiology and Molecular Biology
- PhD in Chemical and Molecular Pathology
- PhD in Health Sciences (Biochemistry)
- PhD in Health Sciences (Pharmacology)

7. CERTIFICATE COURSES

The examination department of RMU has conducted the summative assessment of the following certificate courses:

1. Certificate Course in Family Medicine
2. Certificate Course in CT Scan
3. Certificate Course in Health and Hospital Management (CHHM)
4. Certificate in Health Research (CHR)

8. NATIONAL LICENSING EXAMINATIONS (NLE) OF MBBS FOR PM&DC AND PMC

Examination department Rawalpindi Medical University has been involved in conducting the various national examinations for PMC and PM&DC for foreign medical graduates and students. Department has conducted the following examinations

- i. National Licensing Examination (NLE) **October, 2021** for which the Rawalpindi Medical University Examination Department has honored with certificate of excellence by Pakistan Medical Commission.
- ii. 2nd National Licensing Examination (NLE) examination was conducted on **May, 2022**.
- iii. 3rd National Licensing Examination (NLE) examination was conducted on **August, 2022**
- iv. The 1st National Equivalence Board (NEB) examination was conducted by Pakistan Medical Dental Council on **May, 2023**,

- v. The 2nd National Equivalence Board (NEB) examination was conducted by Pakistan Medical Dental Council on **February 2024**.
- vi. The 3rd National Equivalence Board (NEB) examination was conducted by Pakistan Medical Dental Council on and **December 2024**.

Clinical Trial Unit



Clinical Trial Unit

The clinical trial unit (CTU) at Rawalpindi medical university (RMU) was established to design, conduct, analyze and published the clinical trials and other well-structured studies aiming to enhance the clinical care and medical education through continuous research.

Mission

To provide scientific mentorship for coordinators and investigators, as well as regulatory guidance statistical resources and manuscript support to assist investigators in the development and implementation of research ideas

Vision

To provide authentic research backgrounds for the development of new drugs for the betterment of clinical care, while ensuring human safety before, during, and after a research study.

Aims and objectives

Clinical Trial Unit has been established with following objectives:

- To conduct safe and efficient clinical trials for new treatment interventions
- To compare the existing treatment options for more effective use and betterment of the patients
- To explore alternative treatment strategies when the existing ones are not effective
- To provide newer and expensive treatment options to the patients either free of cost or with minimal charges

Organization

- To achieve the above goals and objectives, under the directives of Vice chancellor, Clinical trial unit Committee was formulated that started working enthusiastically from august 2021 onwards. For conduction of safe and efficient trials, Vice chancellor Professor Dr. Muhammad Umar had also allocated an amount of Rs 24.0 Million to establish CTU retention site, funded from HEC.
- CTU under Chairperson Dr. Attiya Munir (Head of Pharmacology Department) and Director Dr. Shanila Akhter are continuously working to actualize the vision of a fully functional CTU. The Aim of CTU is to develop the culture of conducting clinical trials in RMU that can meet the standards of clinical trials conducted in any advanced country.

Establishment and Development



Infrastructure Development

Establish a Dedicated Facility: Develop state-of-the-art facilities equipped with research labs, data management systems and patient care areas and also adopt **Digital Transformation** that is helpful for the management and to maintain the record of clinical trials.

RMU-CTU Office

This is comprised of CTU OPD room in Holy Family Hospital entitled with name plate clinical trials unit/ research area.

CTU –OPD ROOM

This room is typically used for conducting clinical trial-related consultations, screenings, and follow-ups with study participants. It is an essential part of the CTU infrastructure, ensuring patient privacy and compliance with trial protocols.



Trained Staff:

Organize training programs for investigators, study coordinators, and clinical staff on Good Clinical Practice (GCP) guidelines and trial protocols.

RMU-CTU Recovery Room

Equipped with monitors for tracking vital signs like heart rate, blood pressure, oxygen saturation, and respiration and also includes adjustable beds, privacy curtains, and controlled temperature for participant comfort.

It also contains essential items such as oxygen tanks, defibrillators, and emergency medications and staffed by trained medical professionals, such as nurses or clinical research associates, to provide immediate care if needed.

Collaborate with Experts

Engage with statisticians, epidemiologists, and clinical research professionals to build a multidisciplinary team. Furthermore, encourage medical students and postgraduate trainees to participate in research projects and understand the importance of evidence-based medicine. And Host regular workshops and guest lectures on the latest trends and regulatory requirements in clinical trials.

Rawalpindi medical university has the mission to impart evidence-based research oriented medical education and to provide best possible patient care. Under the guidance of worthy Vice Chancellor Professor Dr. Muhammad Umar, Rawalpindi medical University was licensed to act as Clinical Trials Site at Infectious Disease Department/ Department of Medicine in 16th June 2021 to play its role in genuine research and establish linkage between industry and academia

Road Map to Conduct Clinical Trials

Complete process of establishing a fully functional CTU is as depicted below:-

Process to acquire license as Clinical Trials Site for RMU was initiated with DRAP in April 2021. Focused efforts of CTU core team in general and dedicated approach of Associate Professor Dr. Muhammad Mujeeb Khan (Chairperson Department of Infectious Diseases, RMU) successfully resulted in swift registration of RMU by DRAP as trials site in June 2021. Rawalpindi Medical University is also registered with MedDRA to report any adverse events.



Regulatory approval

The CTU at RMU received approval from Drug Regulatory Authority of Pakistan (DRAP) to conduct Phase III and Phase IV clinical trials. This approval granted on 14 June 2021 – 13 June 2024. We applied for renewal of license in DRAP 12 June 2024.

Government of Pakistan Ministry of National Health Services Regulation & Coordination Drug Regulatory Authority of Pakistan		Serial No. 0057
Form - V		License No: CTS-0055.
License to act as Clinical Trial Site		
M/s Rawalpindi Medical University, Rawalpindi is hereby licensed to act as Clinical Trial Site at Infectious Disease Department/ Department of Medicine, the premises situated at Rawalpindi Medical University, Rawalpindi.		
2. This license shall be subject to the following and in addition to the conditions as specified under Rule 04:-		
(i) The license shall be valid for the period of three years from the date of issue unless earlier suspended or cancelled. (ii) The licensee shall maintain the conditions of GCP and GLP. (iii) Minimum safety standards shall be observed by the licensee. (iv) License holder shall develop Protocols or SOPs for the conduct of studies or trials and get formal approval from the DRAP. (v) License holder shall maintain adequate arrangement for storage of the study material as per protocol of the study.		
3. Name of approved expert staff: Prof. Dr. Muhammad Umar.		
Date of issue: May 2021		
 Secretary (CSC)		 Chairman (CSC)
		
Page 1 of 2		Page 2 of 2

Drug Regulatory Authority of Pakistan T.F. Complex, 7 - Maave Area, Sector G-9/4, Islamabad.
Phone +92-51-9262087, +92-51-9262182

License by DRAP to Act as Clinical Trial Site- Rawalpindi Medical University

Departmental Clinical Trials Data: Year 2024

S#	Topic	Principal investigator	CTU Registration No	Status
1	Diagnostic yield of Broncho alveolar lavage GeneXpert in Sputum-scarce and Smear-negative Patients with Suspected Pulmonary Tuberculosis in RTH Rawalpindi	Dr.Khalida Asghar (Resident MD-Medicine)	CTU/07/2024/001/RMU	Waiting for BASAR
2	Title of Research Synopsis: Efficacy between “Adenoidectomy with Myringotomy” VERSUS “Adenoidectomy with Grommet Insertion” in management of Otitis Media with Effusion in terms of hearing improvement; A Randomized controlled trial at RMU Allied Hospitals	Dr Mahnoor Anwar (Resident MS - ENT)	CTU/07/2024/002/RMU	Waiting for BASAR
3	Comparison between fisher and modified fisher technique in unilateral cleft lip and cleft lip palate	Dr. Fahad Abid (MS Plastic and reconstructive surgery)	CTU/07/2024/003/RMU	Waiting for BASAR
4	Comparison of efficacy of hydrocortisone with salbutamol versus dexamethasone with salbutamol in acute severe exacerbation of asthma in children	Dr Ayesha Shahbaz (MD-Pediatrics)	CTU/07/2024/004/RM U	Waiting for BASAR
5	A Comparative Study of Desarda’s Versus Lichtenstein’s Repair for Inguinal Hernia, A single centered trial	Dr Fareeba (PGT Surgery)	CTU/07/2024/005/RM U	Waiting for BASAR
6	Pilot study synopsis: Application of am- tPRNS in parkinsons’s disease	Dr Waqas Ahmad and Dr Arafat (COMSAT University)	CTU/07/2024/006/RM U	Waiting for IRB
7	Comparing the Effect of 4% Lidocaine Infused Polymyxin Nasal Packs vs Only Polymyxin Nasal Packs on Postoperative Pain in Patients Undergoing Septoplasty	Dr. Javeria Awan (University Resident MS ENT)	CTU/07/2024/007/RM U	Waiting for BASAR
8	A randomized control trial assessing the efficacy of nasal steroids with antibiotics in the reduction of adenoid hypertrophy symptoms	Dr. Maimoona Maheen (Postgraduate resident MS ENT BBH)	CTU/07/2024/008/RM U	Waiting for BASAR
9	Effect of feedback on reflection, on deep learning of undergraduate medical students in a clinical setting	Dr Zainab Maqsood (Gynaecology & Obstetrics) S Registrar HFH	CTU/07/2024/009/RM U	Paper submitted for publication
10	Effectiveness of per operative irrigation using normal saline in prevention of surgical site infections in compound skull fractures	DR. Anwaar UI Mustafa (MS Neurosurgery)	CTU/07/2024/010/RM U	

S#	Topic	Principal investigator	CTU Regst No	Status
11	Efficacy of Upper Limb Orthosis in Pregnant Women Presenting with Carpal Tunnel Syndrome	Aimen Shahbaz (Orthotics and Prosthetics)	CTU/07/2024/011/RM U	Completed
12	Efficacy of Ultrasound-Guided Foam Sclerotherapy Vs Open Surgery in the Treatment of Varicose Veins"	Dr. Arooj Zahra (General Surgery -MS) Department of general RTH	CTU/07/2024/012/RM U	Waiting for BASAR
13	Comparison of effect of infusion vs bolus administration of tranexamic acid in blood loss and transfusion requirements in craniotomies greater than 3cm	Dr. Farkhanda Batool (Postgraduate Trainee MS- neurosurgery)	CTU/08/2024/013/RM U	Waiting for BASAR
14	Study Proposal Synopsis Adalimumab (Dalimab®) Searle Pharmaceutical industry	Dr Tayyab Dr Aqsa	CTU/08/2024/014/RM U	Send to principal investigator
15	Efficacy of vibrational Anesthesia on Pain Experienced during Digital and Wrist Block;	Dr. Maryam Ghani PGR Department of Plastic Surgery HFH	CTU/08/2024/015/R MU	Waiting for Basar points
16	A Comparison of Kangro mother care verses routine care on body temperature and early initiation of breast feeding in neonates.	Dr. Sobia (assistant Professor HFH, Gynecology)	CTU/010/2024/016/ RMU	In- process
17	A comparative study of efficacy of 0.03% tacrolimus eye ointment and 0.05% cyclosporin eye drops in the treatment of vernal keratoconjunctivitis	Dr Munaza (post graduate trainee, deptt. Of ophthalmology BBH)	CTU/012/2024/017/ RMU	Waiting for BASAR
18	Clinical efficacy of low dose aspirin VSLOW Dose plus calcium supplementation in prevention of preeclampsia	Dr Maryam younes FCPS-II, Deptt of Gynecology, BBH	CTU/012/2024/018/ RMU	Waiting for BASAR
19	Comparison of metformin verses combination of metformin with myoinositol for menstrual irregularities in polycystic ovarian syndrome (PCOS).	Dr sofia noureen (post graduate trainee, Deptt of Gynecology, BBH)	CTU/012/2024/019/ RMU	

POSTGRADUATE PROGRAMS AND CURRICULA DEVELOPMENT



Achievements 2017-2024

Postgraduate Programs Launched

Sr. No.	Programs	Programs to be Achieved till 2024	Programs Achieved 2024	Percentage of Achievement
1	PhD	1	7	700%
3	MPhil	13	9	70%
2	MD/MS	8	22	275%
4	Diploma	5	13	260%
5	Certificate	-	4	400%

Students (To be Admitted vs Admitted)

Sr. No.	Program	Number of Students to be admitted	Number of Students Admitted	Percentage of Achievement
1	PhD	20	33	165%
2	MPhil	100	16	16%
3	MD/MS	400	440	110%
4	Diploma	-	249	
5	Certificate	-	231	

PhD Programs

Rawalpindi Medical University (RMU), established in 2017, has rapidly emerged as a hub for advanced medical education and research in Pakistan. Recognizing the critical need for scientific innovation and specialized expertise in the health sector, RMU launched its first PhD program in Microbiology and Molecular Biology in 2021, following the approval of the Higher Education Commission (HEC) Islamabad. This marked a significant milestone in the university's journey toward becoming a leading research-intensive institution.

Building on this foundation, RMU introduced PhD Health Sciences (Biochemistry) and PhD in Chemical and Molecular Pathology in 2022, further expanding its academic portfolio. These programs were designed to address emerging challenges in health sciences and to foster a culture of inquiry, critical thinking, and translational research. As of 2025, the university has successfully launched seven PhD programs, with two additional disciplines set to begin in the fall of 2025.

The introduction of these doctoral programs underscores RMU's commitment to cultivating a new generation of scientists and academic leaders who will contribute to evidence-based healthcare, medical advancements, and policy development at both national and global levels. By promoting high-quality research and academic rigor, RMU continues to play a pivotal role in strengthening Pakistan's medical education and health research landscape. Following are the RMU PhD Programs.

1. PhD in Microbiology and Molecular Biology
2. PhD in Chemical and Molecular Pathology
3. PhD in Health Sciences (Biochemistry)
4. PhD in Health Sciences)
5. PhD in Public Health
6. PhD in Health Sciences (Anatomy)
7. PhD in Physiology
8. PhD in Medical Education
9. PhD in Rehabilitation Sciences

S#	PhD Programs	Start Year	Total Candidates
1	PhD in Microbiology and Molecular Biology	2021	3
2	PhD in Chemical and Molecular Pathology	2022	3
3	PhD in Health Sciences (Biochemistry)		8
4	PhD in Health Sciences (Pharmacology)	Spring 2025	1
5	PhD in Public Health		8
6	PhD in Health Sciences (Anatomy)		6
7	PhD in Physiology	Fall 2025	1
8	PhD in Medical Education		-
9	PhD in Rehabilitation Sciences		-

MPhil, Master and Fellowship Programs

Building on the foundation of its PhD initiatives, RMU has also turned its focus toward expanding postgraduate education through MPhil programs in key disciplines of health sciences. These include MPhil in Anatomy, Physiology, Biochemistry, Microbiology, Histopathology, Hematology, Chemical Pathology, and Pharmacology. The introduction of these programs aims to bridge the gap between undergraduate education and advanced research, equipping students with the knowledge and skills required for academic, clinical, and laboratory excellence.

Together, the launch of PhD and MPhil programs signifies RMU's dedication to producing a new generation of researchers, educators, and healthcare leaders who will contribute to the advancement of medical science and improved healthcare delivery both nationally and internationally.

Master and Fellowship Program

1. Master's in Health Professions Education (MHPE)
2. Master's in Public Health (MSPH)
3. Fellowship in Interventional Pain Medicine (FIPM)

MPhil Programs

1. MPhil in Anatomy
2. MPhil in Physiology
3. MPhil in Biochemistry
4. MPhil in Microbiology
5. MPhil in Histopathology
6. MPhil in Hematology
7. MPhil in Chemical Pathology
8. MPhil in Pharmacology

S#	Programs	Start Year	Total Candidates
Master's Program			
1	Master's in Health Professions Education (MHPE)	2021	53
2	Master's in Public Health (MSPH)	2024	In admission process
MPhil Programs			
1	MPhil in Anatomy	2024	2
2	MPhil in Physiology		5
3	MPhil in Biochemistry		3
4	MPhil in Microbiology		1
5	MPhil in Pharmacology		4
6	MPhil in Hematology		2

7	MPhil in Histopathology		In admission process
8	MPhil in Chemical Pathology		In admission process

University Residency Programs (MD/MS)

University Residency Program (URP) was launched at Rawalpindi Medical University in 2017. A total of 443 postgraduate trainees have been enrolled in this program. This program comprises of 22 MS / MD programs. There are 93 approved supervisors. ***All university residency programs have been accredited by PM&DC.***

The number of trainees enrolled each program are depicted below in Table below.

S#	MD Programs		S#	MS Programs	
	Training programs	No. of Trainees		Training programs	No. of Trainees
1	General Medicine	51	13	General Surgery	46
2	Gastroenterology	12	14	Urology	15
3	Cardiology	9	15	Plastic Surgery	8
4	Pulmonology	3	16	Pediatric Surgery	7
5	Nephrology	8	17	Anesthesiology	33
6	Dermatology	10	18	Obstetrics & Gynecology	66
7	Critical Care	1	19	Orthopedic Surgery	26
8	Emergency Medicine	9	20	Neurosurgery	27
9	Infectious Diseases	1	21	Otorhinolaryngology (ENT)	18
10	Pediatrics Medicine	45	22	Ophthalmology	11
11	Diagnostic Radiology	21			
12	Psychiatry	15			

This program is based on guidelines of the **Accreditation Council for Graduate Medical Education (ACGME)** and is comprised of 7 core competencies as mentioned below:

1. Medical knowledge
2. Patient care
3. Interpersonal & Communication skills
4. Professionalism
5. Practice based learning & improvement
6. System based practice
7. Research

5 mandatory workshops are organized for capacity building of trainees as enlisted below:

1. Communication skills
2. Computer & IT skills
3. Synopsis writing
4. Research Methodology & Biostatistics
5. Basic Life Support

Distinctiveness of University residency program is robust assessment system and strict monitoring

- Trainees are subjected to professional assessment on completion of each year of training
- 360-degree evaluation of trainees is carried out every 6 months
- Workplace Based Assessment of trainees is planned and conducted quarterly by external examiners.

A total of 51 university residents have completed their degree and passed out till now. Their program-wise data is presented below.

Training programs	No. of Trainees	Training programs	No. of Trainees
MS General Surgery	13	MS Anesthesiology	2
MS Obstetrics & Gynecology	10	MS Orthopedic Surgery	2
MD General Medicine	7	MS Neurosurgery	2
MS Urology	4	MS Otorhinolaryngology (ENT)	1
MD Diagnostic Radiology	3	MD Cardiology	1
MD Pediatrics	3	MD Psychiatry	1
MD Gastroenterology	2		

Diploma Programs and Certificate Courses

Alongside its PhD and MPhil programs, RMU is also expanding its academic portfolio by launching MPhil programs in eight critical areas of health sciences, including Anatomy, Physiology, Biochemistry, Microbiology, Histopathology, Hematology, Chemical Pathology, and Pharmacology. These programs aim to provide advanced research training and serve as a bridge between undergraduate studies and doctoral-level education.

Alongside its PhD and MPhil programs, RMU is also expanding its academic portfolio by focusing on training mid-level healthcare specialists through 1–2 year diploma and 6-month certificate courses. These programs are designed to address the urgent needs of primary and secondary healthcare systems in Pakistan by equipping healthcare professionals with practical, job-ready skills. Through this comprehensive approach, RMU continues to play a vital role in strengthening the country's healthcare infrastructure and promoting sustainable medical education.

RMU Diploma Programs

1. Diploma in Clinical Pathology (DCP)
2. Diploma in Child Health (DCH)
3. Diploma in Anesthesia (DA)
4. Diploma in Health and Hospital Management (DHHM)
5. Diploma in Ophthalmic Medicine and Surgery (DOMS)
6. Diploma in Gynae Obs (DGO)
7. Diploma in Medical Radio-Diagnosis
8. Diploma in Family Medicine
9. Diploma in Medical Jurisprudence
10. Diploma in Aesthetic Medicine
11. Diploma in Health Research (DHR)
12. Diploma in Dermatology (D-Derm)
13. Diploma in Mental Health (DMH)

S#	Diploma Programs	Start Year	Total Candidates
1	Diploma in Child Health (DCH)	2021	45
2	Diploma in Anesthesia (DA)		20
3	Diploma in Ophthalmic Medicine and Surgery	2022	22
4	Diploma in Clinical Pathology (DCP)		17
5	Diploma in Gynae Obs (DGO)		26
6	Diploma in Medical Radio-Diagnosis		27
7	Diploma in Family Medicine		50
8	Diploma in Health Research (DHR)		13
9	Diploma in Medical Jurisprudence (DMJ)	2023	10
10	Diploma in Health and Hospital Management (DHHM)		16
11	Diploma in Mental Health (DMH)	2024	3
12	Diploma in Aesthetic Medicine	2025	In admission process

13	Diploma in Dermatology (D-Derm)		In admission process
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Certificate Courses

1. Certificate in Health Professions Education (CHPE)
2. Certificate Course in Basic Clinical Sonology (BCS)
3. Certificate Course in Family Medicine
4. Certificate Course in Health and Hospital Management (CHHM)

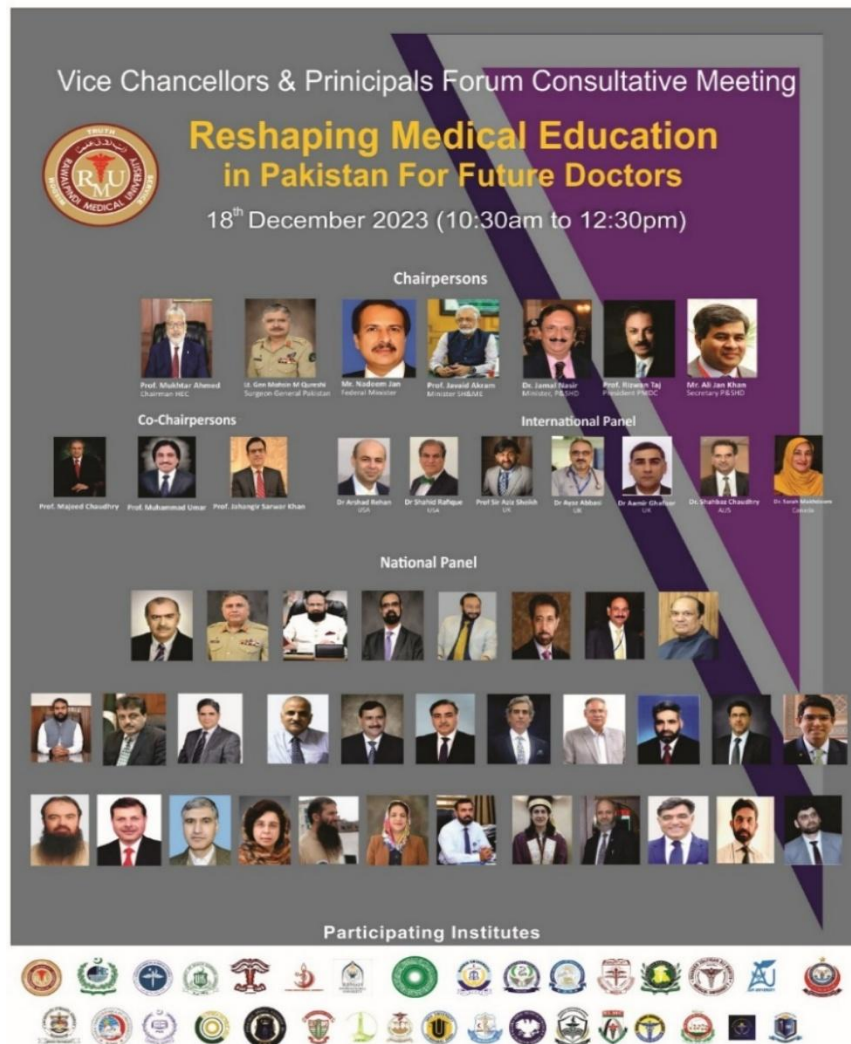
S#	Certificate Courses	Start Year	Total Candidates
1	Certificate in Health Professions Education (CHPE)	2019	150
2	Certificate Course in Basic Clinical Sonology (BCS)	2020	30
3	Certificate Course in Family Medicine	2021	44
4	Certificate Course in Health and Hospital Management (CHHM)	2024	7

NATIONAL - INTERNATIONAL COLLABORATIONS



S#	University/institution	Avenue of Cooperation
1	University of Liverpool, UK	Global Mental Health Program
2	The Hull York Medical School, University of York, UK	Medical Education, Population Health, Clinical Research Methods
3	Xian Jiaotong University, China	Research, chronic disease prevention and control,
4	National Health Service, Northern Lincolnshire, and Goole, UK	Training of Postgraduate trainees
5	Georgia State University, USA	Collaboration and research in the field of Infectious Diseases
6	London School of Hygiene and Tropical Medicine (LSHTM)	Improve quality of health among the population of Pakistan
7	Rawalpindi Medical College Alumni Australia & New Zealand	scientific and technical collaboration
8	Wrightington, Wigan and Leigh NHS Foundation Trust, UK	Research Collaboration
9	Digestive Diseases Centre, Beijing Friendship Hospital, Capital Medical University, Beijing	Research Collaboration
10	Digestive Diseases Centre, Beijing Friendship Hospital, Capital Medical University, Beijing	Research Collaboration
11	MASHA University, Malaysia (22.3.2019)	Research Collaboration
12	Department of Microbiology, Dalian Medical University, China.	Research Collaboration
13	John Hopkins School of Public Health, America	Research Collaboration
14	University of York, UK	Research Collaboration
15	The Diabetic Center, HQ in Pakistan	Research Collaboration

RMU's National Partnerships



1	The University of Lahore Islamabad. Eye Department HFH, RMU, Rwp.	Vice Chancellor / Executive Director Vice Chancellor	14.01.2020
2	Management Technology & Alternative Resources Islamabad Eye Department HFH, Rwp.	Chief Executive & Country Head Vice Chancellor	14.01.2020
3	Comsats Univesity Islamabad Eye Department HFH, Rwp.	Rector Vice Chancellor	14.01.2021
4	Nishtar Medical Univesity, Multan Faisalabad Medical University,Faisalabad Rawalpindi Medical University,Rawalpindi	Vice Chwancellor Vice Chancellor Vice Chancellor	25.11.2019
5	Institute of Leadership Excellence Pakistan Rawalpindi Medical University,Rawalpindi	Director Vice Chancellor	30.11.2019
6	Pakistan Scientific and Technological Information Centre Islamabad Rawalpindi Medical University,Rawalpindi	Director General Vice Chancellor	28.03.2019
7	Shaheed Zulfiqar Ali Bhutto Medical University Rawalpindi Medical University,Rawalpindi	Vice Chancellor Vice Chancellor	15.07.2017
8	The Indus Hospital Rawalpindi Medical University,Rawalpindi	My Child Matters Grant Project Coordinator ICCH Vice Chancellor	19.06.2019
9	APPNE Rawalpindi Medical University,Rawalpindi	President of APPNE Vice Chancellor	4.12.2019
10	National Unviersity of computer & Emerging Sciences Islamabad Rawalpindi Medical University,Rawalpindi	Rector Vice Chancellor	26.07.2019
11	Mohtarma Benazir Bhutto Shaheed Medical College Mirpur Holy Family Hospital RMU,Rwp.	Principal MS	24.01.2018
12	The Royal College of Emergency Medicine Rawalpindi Medical University,Rawalpindi	Deputy Chief Excutive Vice Chancellor	23.04.2019
13	National Institute of Lasers and Optronics, Islamabad Rawalpindi Medical University,Rawalpindi	Director General Vice Chancellor	03.05.2019
14	Bridge Consultants Foundation Islamabad Rawalpindi Medical University,Rawalpindi	Rawalpindi Medical University,Rawalpindi Regional Coordinator Punjab Vice Chancellor	01.06.2019
15	Rawalian Overseas Foundation	Rawalpindi Medical University,Rawalpindi Regional Coordinator Punjab Vice Chancellor	01.02.2023
16	The Makhdoom Hussain Chaudhary Endowed	Rawalpindi Medical University,Rawalpindi Regional Coordinator Punjab Vice Chancellor	02.01.2023
17	Shifa Tameer-e-Millat University, Islamabad	Rawalpindi Medical University,Rawalpindi Regional Coordinator Punjab Vice Chancellor	07.11.2023
18	National University of Science & Technology, Islamabad	Rawalpindi Medical University,Rawalpindi Regional Coordinator Punjab Vice Chancellor	10.11.2023

JOURNALS OF RAWALPINDI MEDICAL UNIVERSITY





RJRMU



Vol. 01



Vol. 06



Vol. 02



Vol. 05



Vol. 03



Vol. 04



College of Physicians & Surgeons Pakistan
OFFICE OF THE SECRETARY CPSP

Ref # CPSP/Sec/2024/633 03rd December, 2024

NOTIFICATION

CPSP Competent Authority is pleased to announce the launch of Journal of College of Physicians and Surgeons Pakistan – Postgraduate (JCPS-PG), a new companion journal to the Journal of the College of Physicians and Surgeons Pakistan (JCPS), exclusively dedicated to postgraduate CPSP trainees. JCPS-PG portal will soon be open for manuscript submissions online.


Prof. Irshad Waheed
Secretary, CPSP

Cc:
➤ President CPSP
➤ CPSP Councillors
➤ Publications
➤ CPSP Website
➤ All concerned.

7th Central Street, Phase II, Defence Housing Authority, Karachi-75500, Pakistan
Tel: 99265400 (10 lines); Fax: 99266432; UAN: 111-600-606; Ext: 325 / 373
Email: secretary@cpsp.edu.pk | Website: www.cpsp.edu.pk

Foreword

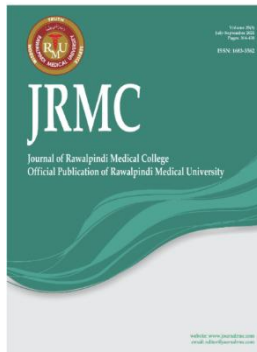
Rawalpindi Medical University (RMU) stands as a beacon of academic excellence, research innovation, and scholarly integrity. In pursuit of advancing medical science and shaping the future of healthcare, RMU proudly publishes a diverse array of peer-reviewed journals. Each journal reflects the university's unwavering commitment to fostering knowledge, encouraging evidence-based practice, and addressing the pressing healthcare challenges of our time.

The **Journal of Rawalpindi Medical College (JRMCI)**, a cornerstone of RMU's academic contributions since 1997, has grown into a leading platform for high-quality medical research, maintaining rigorous editorial standards and international recognition. The **International Supplement of Journal of Rawalpindi Medical College (IJRMCI)**, launched in 2022 in collaboration with esteemed RMU alumni worldwide, extends our academic reach beyond borders. The Resident Journal of Rawalpindi Medical College serves as a vital forum for postgraduate medical trainees to develop their research acumen.

In response to global health imperatives, RMU has pioneered specialized publications such as the **Rawalpindi Medical University Journal of Climate Change**, addressing the intersection of health and environmental sustainability, and the **Child Rights Journal of Rawalpindi Medical University**, championing the welfare and rights of children through research-driven policy advocacy. Furthermore, the **Journal of Nursing & Allied Health** provides a dedicated space for interdisciplinary discourse, recognizing the essential role of nursing and allied health professionals in modern healthcare.

With a steadfast adherence to the highest ethical and academic standards, RMU's journals serve as catalysts for intellectual growth, scientific discovery, and policy transformation. As we continue to expand our research footprint, these publications remain a testament to our dedication to medical excellence, professional development, and the betterment of global health.

1. Journal of Rawalpindi Medical College (JRMCC)



The Journal of Rawalpindi Medical College (JRMCC) was first published in 1997. It is an open-access, double-blind peer-reviewed journal. It is now published quarterly.

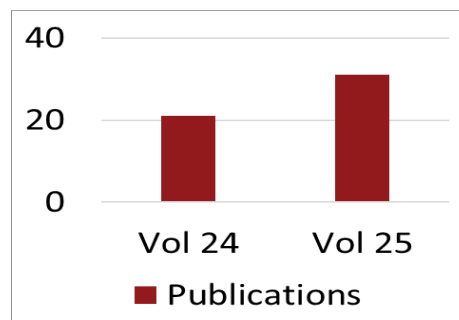
This journal is recognized and indexed by

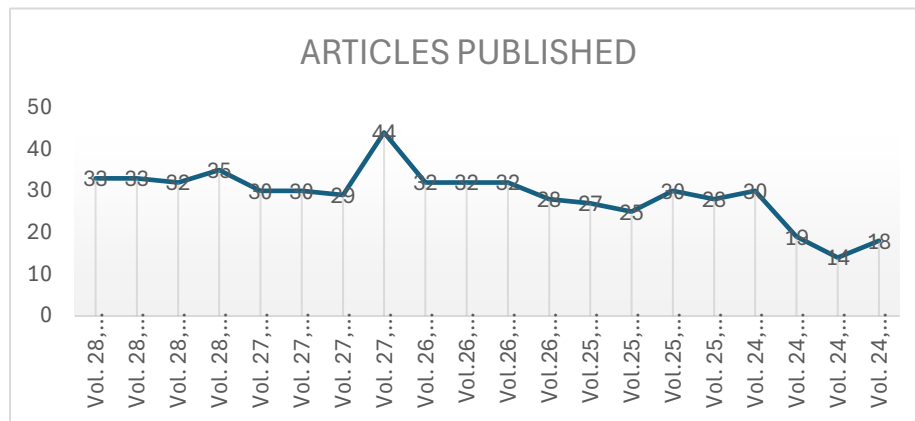


COVID-19 Special Supplement of JRMCC



Two issues were published, in 2020 and 2021 respectively.





2. International Journal of Rawalpindi Medical College

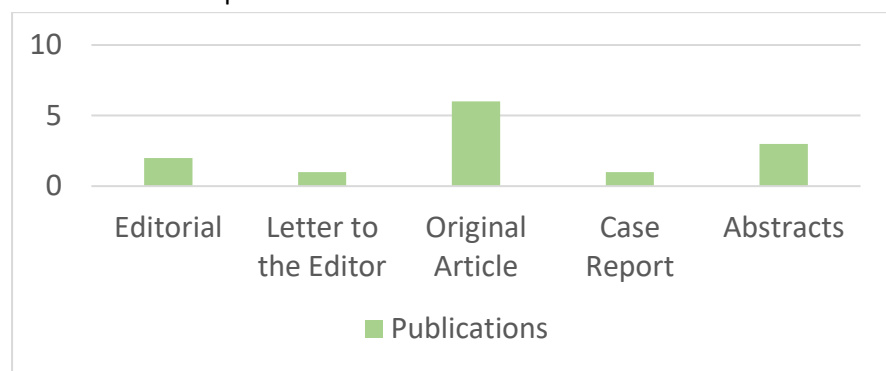
The first issue was published in September 2022 in collaboration with RMU Alumni in the US, UK, Malaysia and others.

Under the editorship of Prof. Faisal Masood (USA)

1 issue was published.



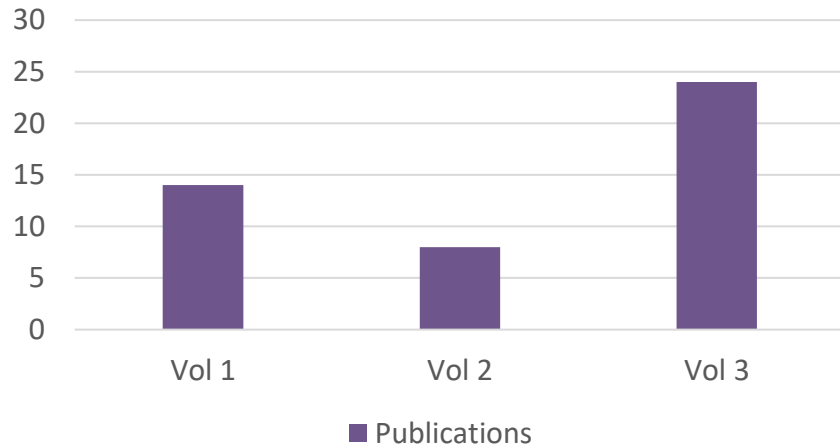
7 articles were published.



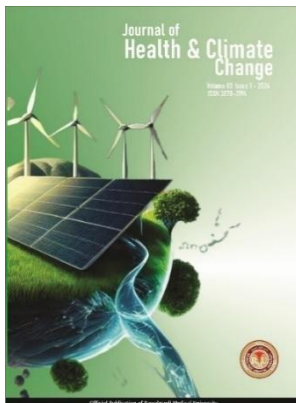
3. Resident Journal of Rawalpindi Medical College

Published annually Since 2020

Managed by the Resident Editorial Board under the editorship of Prof. Naeem Zia.



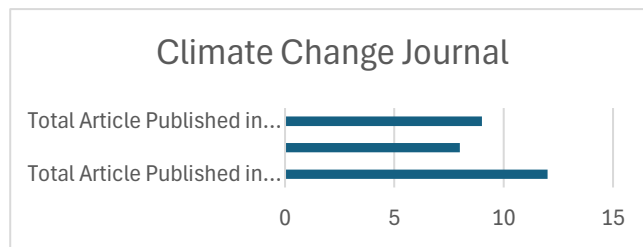
4. Rawalpindi Medical University Journal of Climate Change



Journal of Health and Climate Change is an open access, double blind peer reviewed medical journal. It is published biannually. It follows Committee on Publication Ethics (COPE). The first issue was published in December 2021. To be published annually under the editorship of Prof. Riaz Ahmad & Prof Jahangir Sarwar.

Total Volume Published: 3

5. Child Rights Journal of Rawalpindi Medical University

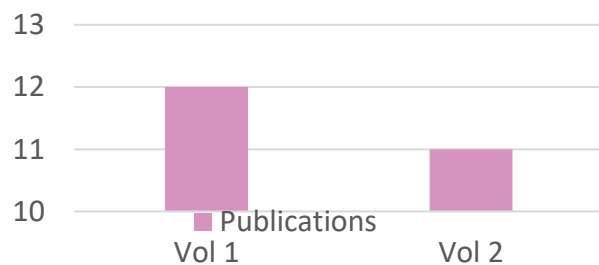
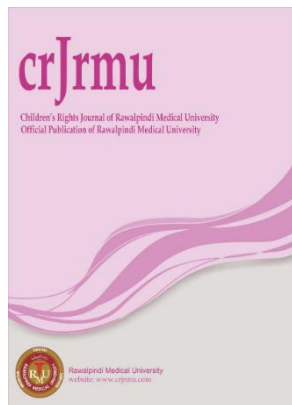


The Journal is focused on interdisciplinary research that is linked to practical, evidence-based policy solutions for issues around child rights. This journal provides a platform to reflect on various dimensions of child rights, both at the national and international levels.

The first issue was published in December 2021

The second issue was published in August 2022

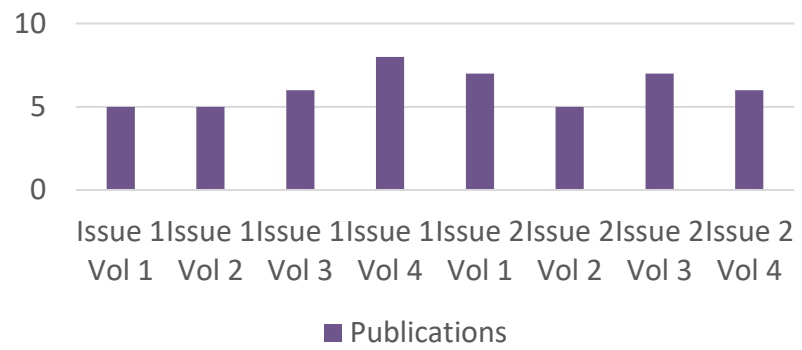
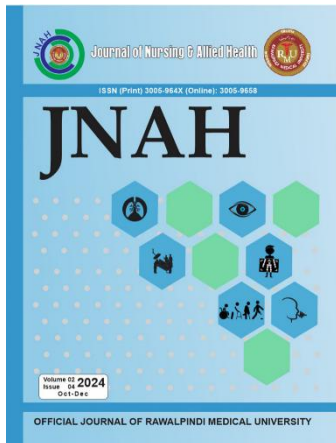
To be published under the leadership of Prof. Rai Asghar



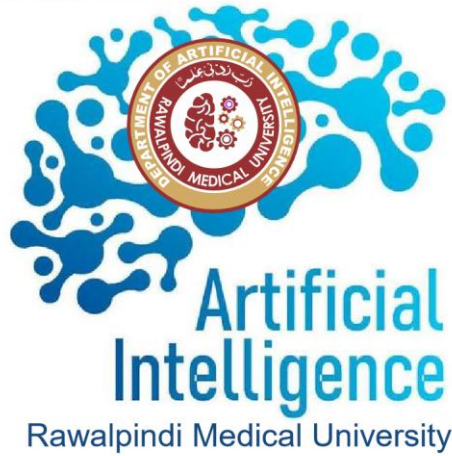
6. Journal of Nursing & Allied Health

The basic idea in establishing this journal is to provide a distinguished platform that bridges the realms of Allied Health Sciences and Nursing, promoting interdisciplinary collaboration, knowledge dissemination, and scholarly discourse. It aims to accelerate the progression of these fields by showcasing pioneering research, evidence-based practices, and transformative ideas.

It was started in 2023 By Prof Umar, PhD as Chief Editor.



Department of



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Email: info@rmur.edu.pk

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AI Introductions	8
Objectives	9
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Prof Muhammad Umar (S.I, H.I) Vice Chancellor



University. We are highly enthusiastic capacity to greatly transform administrative tasks. Our I cordially invite all teachers, courses, research partnerships, and and jointly contribute to the specialized knowledge to thrive in I urge you to explore the forthcoming attentive for forthcoming updates and collaborative endeavours in navigating this thrilling path where AI plays a crucial role in enhancing healthcare.

has not gone unnoticed.

As we move forward, I urge you to continue your tireless efforts in harnessing the power of artificial intelligence to further enhance the quality of healthcare services at our institution. Your expertise and innovation are key to providing better and more advanced care for our patients.

Let us collaborate closely to explore new avenues, develop innovative solutions, and integrate AI seamlessly into our healthcare system. Together, we can achieve unprecedented breakthroughs in patient care, diagnostics, and treatment.

I encourage you to pursue interdisciplinary collaborations and seek external partnerships to expand our reach and impact in the healthcare sector. Your commitment to improving healthcare aligns perfectly with our university's mission, and I have no doubt that your efforts will leave a lasting legacy.

Thank you for your dedication and passion. Together, we can pave the way for a healthier and brighter future for our community.

Prof Riaz Ahmed (Director AI)



I feel honored to announce the establishment of the Artificial Intelligence Department at Rawalpindi Medical and dedicated to incorporating advanced AI technology into the field of medicine. Artificial intelligence has the healthcare by improving the accuracy of diagnoses, optimizing treatment strategies, and simplifying department's objective is to utilise this potential to improve patient care and promote medical research.

students, and researchers to actively engage in the various initiatives organized by our department, including groundbreaking projects. Collectively, we may investigate the limitless potential that AI presents in healthcare advancement of medical knowledge. We are dedicated to furnishing you with the essential resources and this dynamic and swiftly progressing domain.

courses, workshops, and research prospects that our department will provide in the future. Continue to be announcements as we endeavour to ensure that you are well-informed about our projects. I look forward to our

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Rawalpindi Medical University
Department of A.I

Team A.I



Prof Muhammad Umar (S.I, H.I)
Vice Chancellor of Rawalpindi Medical University



DR. FUAD AHMAD KHAN NIAZI
Co- Director A.I



Dr. Junaid Khan
Co- Director A.I



Dr Nasir Khan
Head of Radiology



Dr. Javeria
National Coordinator



Prof Riaz Ahmed
Director AI
Chairman Rankings of RMU

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Rawalpindi Medical University
Department of A.I

Vision

In the future of healthcare, AI is the catalyst for precision and compassion. Through personalized treatments, early disease

Mission detection, and streamlined processes, RMU Department of AI will mission in and lead innovation with compassion. We strive to seamlessly into accessibility will

R MU, Department of A.I our healthcare AI is to empower patients providers alike. Ethical AI practices and global integrate AI ensure

medical practice, enhancing healthcare's transformation patient outcomes and is equitable and secure, accessibility. Through ethical AI delivering optimal care to all. practices and cutting-edge research, we aim to create a healthier and more equitable world

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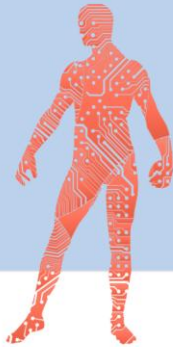
Rawalpindi Medical University
Department of A.I

Introduction



The advent of AI, robotics, machine learning, and informatics has revolutionized the medical field in recent years. These advanced technologies have enhanced medical diagnostics, treatment planning, and patient care while simultaneously reducing costs and improving outcomes. In order to ensure that the medical professionals of Pakistan are equipped to leverage these advancements, it is proposed that Rawalpindi Medical University establish a Department of AI and Robotics. This department will provide undergraduate and postgraduate students of medicine and surgery with specialized courses and hands-on training in these emerging technologies, ensuring they are well-prepared to excel in their respective fields.

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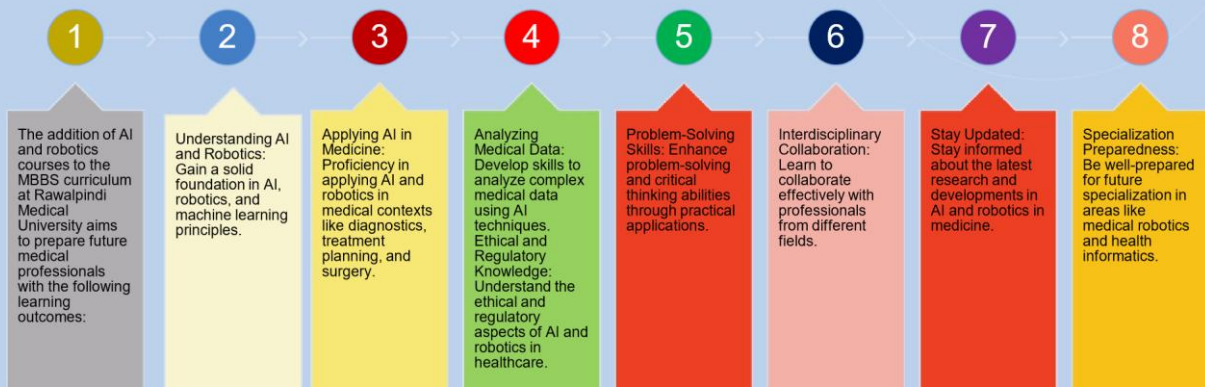


Rationale

- Rawalpindi Medical University (RMU) aims to lead in medical education and research by establishing a Department of AI and Robotics.
- Equip students with essential skills to navigate the evolving healthcare landscape, incorporating AI, robotics, machine learning, and informatics.
- Fostering interdisciplinary collaboration and addressing healthcare challenges.

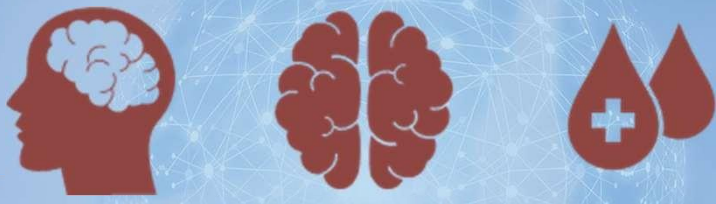


Learning Outcomes for MBBS Students Taking Additional Courses in AI and Robotics





Artificial Intelligence
On Going Research Project



Department of Medicine & Allied, Rawalpindi Medical University
AI -Health care app as a platform/engine for
determining vital Signs non -Invasively


Prof Dr Muhammad Umar
Vice Chancellor
Principal Investigator


Adnan Siddique
Co- Principal Investigator


Dr. Javeria
Co-Principal Investigator

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AI -HEALTH CARE APP AS A PLATFORM/ENGINE FOR DETERMINING VITAL SIGNS
NON -INVASIVELY

Dr Muhammad Umar, VC, RMU

Dr. Javeria

Dr. Adnan Siddique CO EZ-Shifa

Through the use of artificial intelligence (AI) in the early identification of numerous medical diseases, the study proposal of EZShifa seeks to establish a groundbreaking development in healthcare. The goal of this project is to create and implement cutting-edge AI-driven diagnostic tools that will transform the way doctors diagnose and treat patients' health problems. This research aims to increase the accuracy, speed, and efficiency of medical diagnostics through the use of AI algorithms, resulting in better patient outcomes and altered healthcare practices.

The project's main objective is to build EZDiags, a powerful AI-powered platform that will deliver precise and timely diagnostic assessments in a variety of medical sectors. EZDiags will be a flexible tool for healthcare professionals, allowing them to make better informed decisions and optimize treatment programs by recognizing common illnesses as well as diagnosing unusual and difficult problems.

In order to create and train AI models that can analyze medical data, photos, and reports, the project entails substantial collaboration with medical professionals, data scientists, and software engineers. Early illness identification, accurate diagnostic findings, and the supply of medical experts with actionable suggestions are all features of the platform.

The initiative stresses a patient-centric approach in addition to technology innovation by concentrating on the real-world application of AI diagnostics within healthcare institutions. By assuring the smooth integration of AI technologies into current processes, EZShifa aims to close the gap between cutting-edge technology and standard medical practice.

Not only does the suggested study have the potential to greatly increase the accuracy of medical diagnoses, but it also promises to solve problems with healthcare such as a lack of resources, a lack of time, and the requirement for speedy and accurate decision-making. By utilizing AI, EZShifa seeks to equip healthcare professionals with a game-changing tool that improves patient care, enables early intervention, and advances healthcare as a whole.

In conclusion, the EZShifa research project uses AI technology to reimagine the landscape of medical diagnostics. The initiative hopes to bring in a new era of accuracy, efficiency, and accessibility in healthcare through the development of EZDiags, which will eventually benefit patients and healthcare professionals alike.

AI Project Summary



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Update till now:

Data Analysis with Charts and Ranges + Requirements for Accuracy

Title: AI HEALTH CARE APP AS A PLATFORM/ENGINE FOR DETERMINING VITAL SIGNS NON-INVASIVELY

Vital signs include:

- Blood pressures
- Temperature
- pulse
- Oxygen saturation
- Blood sugar levels

Data record from December 2022 till May ,2023

Sample Data Collected: 5776



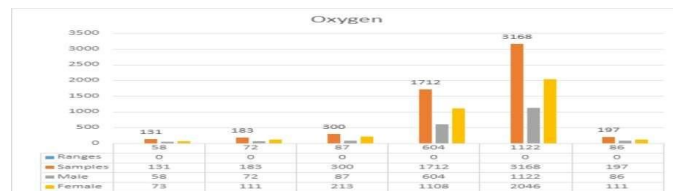
194 1053 2027 1724 702 180



Required

Ranges

to op imize the AI Engine: Normal Range Data is required. Sample Data Collected: 53



131 183 300 1712 3168 197

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Vitals Monitoring Graphical Representation Pulse

Data Record from June till August 2023

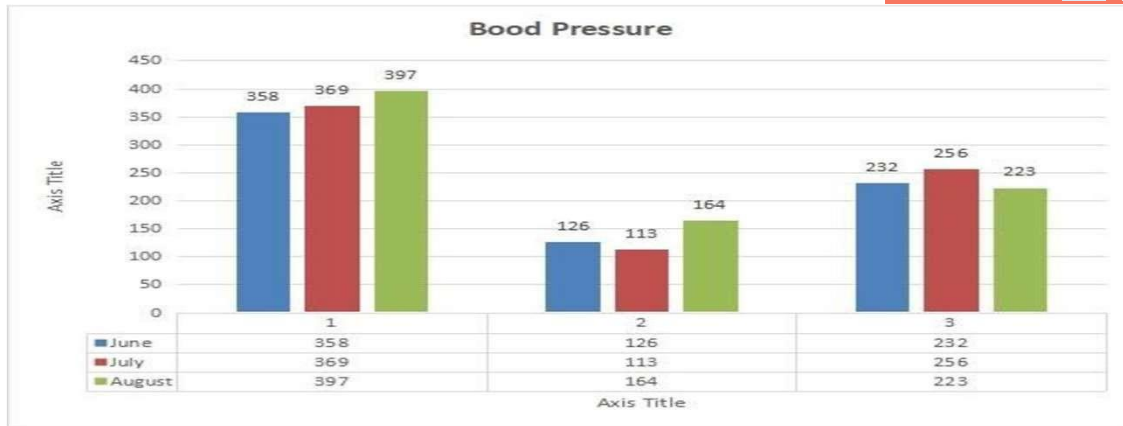
Vitals	June	July	August
Pulse	368	369	397
Male	127	113	164
Female	240	256	223



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AI Project
Summary

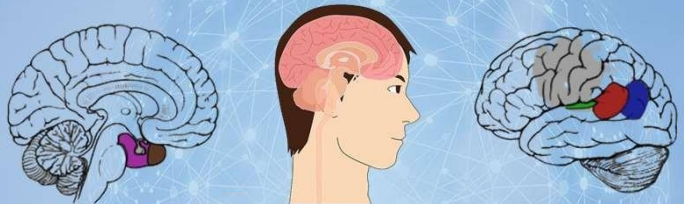
Vitals	June	July	August
Blood Pressure	358	369	397
Male	126	113	164
Female	232	256	223



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Artificial Intelligence On Going Research Project



Department of Radiology Holy Family Hospital
Electronic triage of cerebral hemorrhages on non contrast CT



Dr. Junaid Kalia
Principal Investigator



Dr. Nasir Khan
Co-Principal Investigator

17

AI -HEALTH CARE APP AS A PLATFORM/ENGINE FOR DETERMINING VITAL SIGNS NON - INVASIVELY				AI Project Summary
Dr Junaid Kalia		Total	Percentage	offers the transform from subjective
Dr. Nasir Khan				
Artificial intelligence (AI) opportunity to image interpretation qualitative and task effortless quantifiable and reproducible task.	Total CT Brains	8578		
	Total Bleeds	737	8.6%	
	Total Traumatic	91	12.3%	
	Total Non-Traumatic	646	87.6%	

Intracranial hemorrhage is one of the fatal neurological emergencies that requires immediate detection and timely intervention to save the lives of the patients and to avoid any long-term neurological deficits

There are a limited number of neuroradiologists in developing countries and it is sometimes impossible to get an urgent CT scan report in an emergency setting.

minor hemorrhages can be overlooked which can significantly change the choice of interventions and the care that a patient would receive.

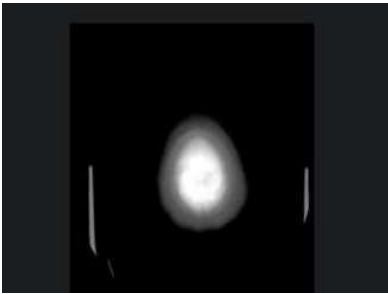
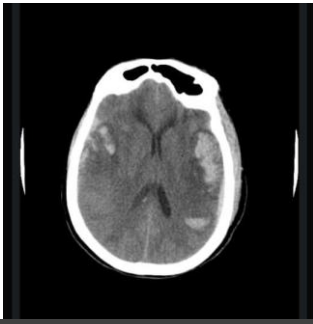
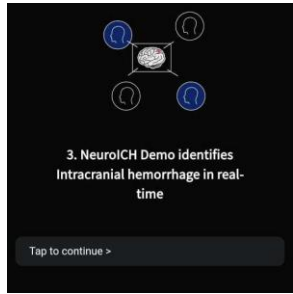
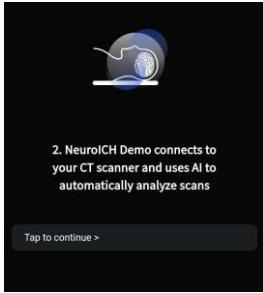
The aim of this project is to

- 1) To develop a deep learning algorithm for automated detection of intracranial hemorrhage that can assist physicians in rapid triaging the patients in busy trauma centers.
- 2) To evaluate the accuracy and efficiency of model in providing rapid and better healthcare by deploying it.
- 3) Further explore uses of deep learning to improve radiological triage to decrease latency of care.

FUTURE VISION

Integrate AI system into radiology workflow as a “second reader” that can improve diagnostic confidence of radiologists and potentially increase detection of subtle and minor hemorrhages which can be otherwise missed by a radiologist in busy clinical practice.

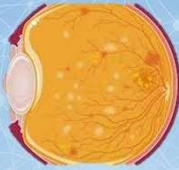
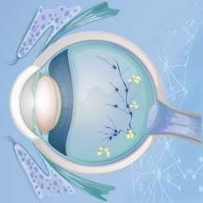
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AI Project Summary		
		
		

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Artificial Intelligence
On Going Research Project



Department of Ophthalmology Holy Family Hospital
Efficacy of Artificial Intelligence in Grading
the Severity of Diabetic Retinopathy


DR. FUAD AHMAD KHAN NIAZI
Principal Investigator


DR. MASOOD AHMED
Co-Principal Investigator

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Efficacy of Artificial Intelligence in Grading the Severity of Diabetic Retinopathy

Dr Fuad Khan Niazi

Dr. Masood Ahmed

Our research aims to assess the effectiveness of Artelus DRISTi V2 A.I software in grading diabetic retinopathy, compared to human experts. Given its significance in managing vision impairment in diabetic patients, this proposal explores AI's potential to enhance diagnostic accuracy and patient outcomes.

Date Collection

747 Patients have been have been screened till now.

☐ Males: 308 ☐ Females: 439

Diabetic Retinopathy was suspected in 141 pts.

☐ Males: 55 ☐ Females: 86

A.I Software Generated Report ICDR Scale Defined: DR0: No Apparent Retinopathy DR1: Mild Non-Proliferative Diabetic Retinopathy DR2: Moderate Non-Proliferative Diabetic Retinopathy DR3: Severe Non-Proliferative diabetic Retinopathy DR4: Proliferative Diabetic Retinopathy



AI Project Summary


Patient Name: Dawood
Patient ID: DRH125037
Gender/Age: M/50
Contact No:
Date: 01/18/2024
Posterior: EXAMINATION RESULT: Diabetic Retinopathy Suspected - Doctor Review Recommended *KINDLY CORRELATE CLINICALLY*
CORRELATE CLINICALLY*
Right eye: Doctor Review Recommended
Left eye: Doctor Review Recommended
ICDR Scale Defined
DR0 - No Apparent Retinopathy
DR1 - Mild Non-Proliferative Diabetic Retinopathy
DR2 - Moderate Non-Proliferative Diabetic Retinopathy
DR3 - Severe Non-Proliferative Diabetic Retinopathy
DR4 - Proliferative Diabetic Retinopathy
Doctor Remarks
Report Signed By:
Forward By: jayadev



**Department of Artificial Intelligence(A.I.)
Rawalpindi Medical University**

S.	Topic	Presenter
1	AI in Healthcare	Dr. Sania Waheed - USA
2	Digital technology and AI	Dr. Sohail Aman - USA
3	RMU AI Initiative	Prof. Dr. Hiaz Ahmed
4	Artificial Intelligence in Dermatology	Dr. Babar Rao, USA -
5	AI as a diagnostic tool for diabetic retinopathy	Dr. Fuad Ahmad Khan Niazi
6	AI applications in Family Medicine	Dr. Hisham Haq, USA
7	Navigating The Horizon of Artificial Intelligence (AI) in Medical Education and Clinical Research	Dr. Rehan Ahmad Khan

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AI Data Centers Development at Rawalpindi medical University Introduction

The presence of a data center within a medical university is paramount, exerting a multifaceted influence across academic and clinical domains.

Serving as the nucleus of information management, it underpins the institution's research, education, and patient care endeavors.

Through systematic data collection and storage, the data center provides a rich tapestry of patient records, clinical trials, and research findings.

This not only fuels innovation but also contributes to the advancement of medical knowledge and the development of novel treatments.

Moreover, the data center supports quality improvement initiatives by enabling the collection of performance metrics and facilitating data-driven decision-making.

It also plays a pivotal role in managing clinical trials, from patient recruitment to data analysis, ensuring the integrity and efficiency of research endeavors.

Overall, the data center serves as an indispensable asset to the medical university, fostering research and excellence.

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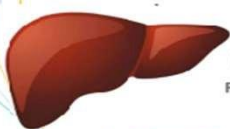
25

SPECIALIZED CLINICS

Rawalpindi Medical University (RMU) offers specialized clinics for hepatitis, oncology, breast cancer, and diabetes. These clinics provide comprehensive care, including diagnosis, treatment, and follow-up. They are equipped with modern facilities and staffed by expert medical professionals, ensuring high-quality care and support for patients battling these complex diseases.



Hepatitis Clinic



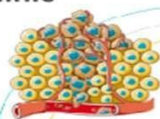
Over 8000
Registered Patients

Diabetes Clinic



Over 36000
Registered Patients

Oncology Clinic



Over 500
Registered Patients

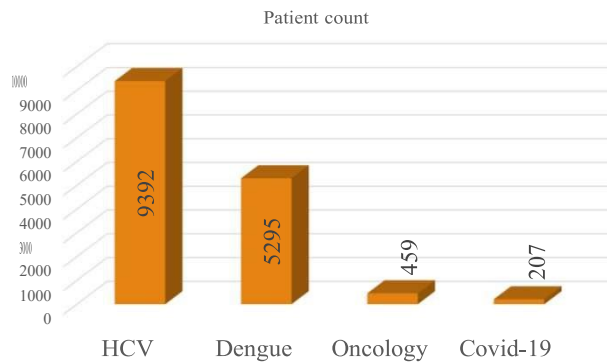
Breast Cancer Clinic



Over 3000
Registered Patients



Data collection in Progress for Diseases
Number of Patient Count

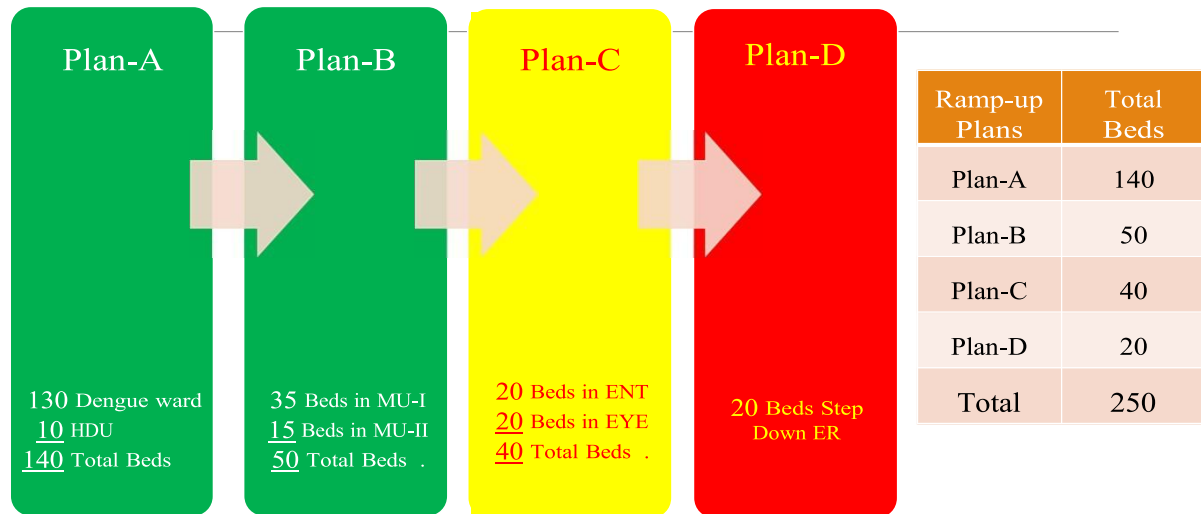


- ☐ Radiology
- ☐ Pathology
- ☐ ICU infections
- ☐ Diabetes
- ☐ Diabetic Retinopathy

AI Data Center at RMU



Ramp up Plan for Dengue Clinical Management 2024



3

COVID & Dengue

Brief Overview – 04 Surges

23-03-2020 – 30-08-2021

Healthcare Delivery

Hospital Name	Patients Admitted				Confirmed				Ventilator				Deaths			
	1 st wav	2 nd wav	3 rd wav	4 th wav	1 st wav	2 nd wav	3 rd wav	4 th wav	1 st wav	2 nd wav	3 rd wav	4 th wav	1 st wav	2 nd wav	3 rd wav	4 th wav
HFH	1383	1163	1229	941	550	743	842	748	84	111	98	45	128	230	208	113
BBH	3399	3562	3436	1397	1083	360	504	356	119	35	09	04	196	67	125	81
RIUT	1280	395	1146	492	1280	395	1146	492	116	34	77	06	127	92	273	91
DHQ	146	111	192	210	146	111	192	141	07	05	18	11	07	02	11	13
Grand Total	6208	5231	6003	3040	3059	1609	2684	1737	326	185	202	66	458	391	617	298
									5.25 %	3.53 %	3.36 %	2.35 %	7.38 %	7.47 %	10.28 %	9.80 %

Total Admitted: **20482**

Total Confirmed: **9089**

Total Vent: **779**

Total Deaths: **1764**

31