



# ANNUAL REPORT 2016 - 2017

Khesar Gyalpo University of Medical Sciences of Bhutan

# Message from the Chairperson, Governing Council

Health workers are the frontline people in the social security and happiness of the populace. Quality of health services depend on the quality of health workforce. Absence of good quality medical institutions to produce competent health "ensuring workers is a security threat to the nation in the era of" knowledge-based economy rather



than industrial based economy. A Medical University that provides quality medical education is not only necessary to suffice the educational needs of the population but a symbol of sovereignty and survival of Bhutan as the Nation. The Khesar Gyalpo University of Medical Sciences of Bhutan was established by an Act of Parliament to provide quality medical and health education in Bhutan to address the shortage of health care workers and improve the quality of health services.

With this aim inscribed in the backbone of the University, it has yet been another successful year for the Khesar Gyalpo University of Medical Sciences of the Bhutan. The University has strived in fulfilling the vision and aspirations as enshrined in the Act. I would like to commend the University staff for their dedication and loyalty to the service of the whole nation. The annual report further highlights the activities carried out successfully during the current year. Some of the key activities that I have witnessed for the past year are expansion of postgraduate residency programs, development of additional courses at all the faculties of the University and increasing the international visibility through establishment of collaborations with renowned universities. The University has also set a quality trend in the field medical and health research with the establishment of Medical Education for

Research, Innovation and Training (MECRIT) and Bhutan Health Journal

(BHJ), I believe, Bhutan health research will reach to new heights.

With the conduct of the International Conferences on Medical and Health

Sciences has widened the aspect of every health workers to the prevailing

movement of the Medical field not only in the region but to the whole world.

One important aspects that the University needs to focus is on quality of

education and student services. The University needs to develop its long-

term strategy to guide future developments not only for academics but also

for the whole University to ensure quality education, Research and patient

services. I would urge that promoting good patient services should also be an

integral part of the medical and health education goals.

I once more congratulate the President, Deans, staff and faculties for the

successful year and look forward for another exciting year ahead.

Tashi Delek

Lyonpo Tandin Wangchuk

Chairperson

**Governing Council** 

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## From the President's Desk

The year 2016 is one of the most important dates in the history Bhutan, which marked the 400<sup>th</sup> anniversary of the arrival of Zhabdrung Rinpoche to Bhutan, the birth anniversary of the Guru Rinpoche and the birth of The Gyalsey.



Our University celebrated the Royal birth by dedicating the 2<sup>nd</sup> International Conference on Medical and Health sciences (ICMH) with the theme "celebrating mother and child health" for this joyous historical event.

The University developed and launched the on-line CME program for malaria, HIV and TB. Three faculty members from our University, Dr. Phurb Dorji (Gold Medal), Mr. Karma Tshering (Silver Medal) and Dr. Guru Prasad Dhakal (Bronze Medal) were awarded in National Order of Merit, Excellence in Teaching by His Majesty, the King on the National Day, 17<sup>th</sup> December 2016. This award from the Throne is a source of motivation to rededicate ourselves in providing quality education and serving the Tsa-Wa-Sum.

Faculty of Traditional Medicine successfully initiated the first ever master's program in Swowa Rigpa on 1<sup>st</sup> of July 2017. Faculty of Nursing and Public health also launched the four years degree course in Clinical Counselling on 18<sup>th</sup> of July 2016. The Deakin University of Australia has reviewed our GNM Diploma and B.Sc. Nursing curriculum and I am pleased to inform that our graduates can apply up to 16 credits, if they want to pursue further academics in Deakin University.

Furthermore, it also gives me an immense pleasure to present this copy of

the Annual Report of the Khesar Gyalpo University of Medical Sciences of

Bhutan.

The Khesar Gyalpo University of Medical Sciences of Bhutan and it

constituent Faculties would like to thank our Honorable Governing Council

Members, Honorable Advisory Board Members, our collaborators and well-

wishers for your generous support. I would also take this opportunity to

thank all the faculties, staff and students for your continued support and look

forward to similar support in the coming year.

Tashi Delek

Dr. Kinzang P. Tshering

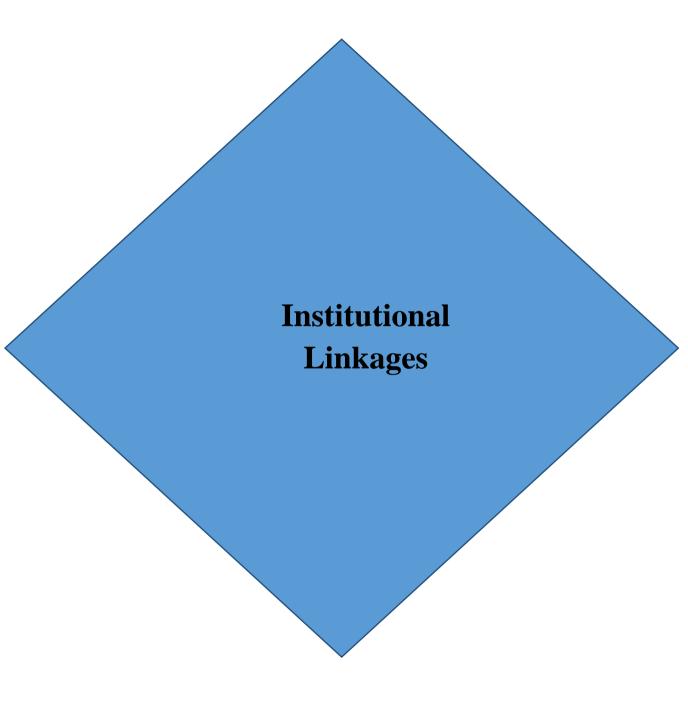
President

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## 1. Institutional Linkages

# **1.1.** Memorandum of Understanding (MoU) with Ministry of Health (MoH)

The Khesar Gyalpo University of Medical Sciences of Bhutan (KGUMSB) entered into a legally binding agreement framework with the Ministry of Health on 5<sup>th</sup> of April 2017 to strive towards providing sustainable quality healthcare and quality medical and health education system in the country.

The mutual cooperation between the two mainly focuses in the four areas of cooperation, namely;

- a. Quality medical and health education and healthcare services
- b. Health research and short term training services
- c. HRD and Personnel Management
- d. Co-ordination and harmonization

The KGUMSB stands as the autonomous institution for medical education, research and clinical services as empowered by the University of Medical Sciences of Bhutan Act 2012 and thus, this mutual agreement with the Ministry creates a guide for the Ministry and the University to strengthen a conducive environment for provision of optimal clinical services, teaching and learning, research and related activities.

# 1.2 Memorandum of Understanding (MoU) with International Institutes

To further strengthen the University's focus to achieve its vision to be 'A premier centre of excellence in medical education, research and quality healthcare', the University expanded its international linkages over all the regional and international medical institutes.

In the Fiscal Year 2016-2017, the University signed MoU with 8 major international medical institutes. Out of which the notable ones were with the National Board of Certified Counselors (NBCC) and International Institute of Health Management and Research (IIHMR).

The University entered into mutual cooperation with the NBCC, USA on 13<sup>th</sup> of September 2016 to bring about actions in preventing suicidal rate in the country. The collaboration with NBCC has helped University in shaping and further strengthening its course in B.Sc. in Clinical Counseling at Faculty of Nursing and Public Health (FNPH).

Furthermore, the University also signed a Memorandum of Understanding with the IHMR, Jaipur, India on 29<sup>th</sup> of November 2016. Through this collaboration, 15 faculties and staff from the three constituent Faculties, Medical Education Centre for Research Innovation and Training (MECRIT) and Office of the President (OOP) were sent to IIHMR institute to attend training on Leadership and Strategic Management in health care for Bhutan for a week with the financial support from Royal Civil Service Commission (RCSC) and Government of India (GoI)– Project Tied Assistance (PTA) fund.

Through such collaboration our University aspires to establish itself as one of the premier institute in quality medical and health institute in the global market.

Sl. No	NAME of MoU	Signed date
1	Kyoto University Hospital, MoH, JDWNRH	09/10/2017
2	Letter of Intent: Non-profit orgnaization. Eradicate Gastric Cancer	25/08/2017
3	University of UTAH, USA	01/03/2017
4	University of California San Francisco	22/03/2017
5	University Hospital of Ludwig (LMU) Germany	24/04/2017

6	Institute of Orthopaedic, Lerdsin General Hospital, Bangkok	09/05/2017
7	Chiang Mai University, Thailand	03/05/2017
8	МоН	05/04/2017
9	IIHMR University, Jaipur, India	29/11/2016
10	National Board for Certified Counsellors, NBCC	13/09/2016
11	Gujarat Ayurved University, Gujarat, India	01/06/2016
12	Mongolian National University of Medical Sciences	02/06/2016

# 1.3. Visit to Postgraduate Institute, Chandhigarh and Sir Gangaram Hospital, Delhi

The team led by Dean, Faculty of Postgraduate Medicine (FoPGM) visited Postgraduate Institute of Medical Education and Research (PGIMER), Chandigarh and Sir Gangaram Hospital, New Delhi to strengthen the linkage between the University and the institutes particularly in the PG courses. Besides, residency program they also discussed on improving research and capacity development of the faculties at KGUMSB as this is directly related to the quality of residents and ultimately the quality of Specialists in Bhutan.

This visit was also aimed for the resident's elective, faculty exchange and to invite examiners from two institutes to strengthen the academic programs at FoPGM and collaborating to conduct Continuing Medical Education (CME).



Figure 1Team with Prof Dr.Rana, Chairman & Vice-Chairman of Management Board, Sir Gangaram Hospital, Delhi & Academic Board of GRIPMER.



# 2. Human Resource Development

# 2.1. Staff Strength

Institute	Category	No.
Office of the President (OOP)	Executives & Specialists	3
	Management and Support Staff	32
	Total	35
Medical Education Centre for Research Innovation and Training (MECRIT)	Executives & Specialists	1
(MECKII)	Management and Support Staff	5
	Total	6
Faculty of Traditional Medicine (FoTM)	Academic Staff	11
	Adjunct Faculty*	6
	Visiting Faculty*	2
	Management and Support Staff	16
	Total	27
Faculty of Nursing and Public Health (FNPH)	Academic Staff	34
	Core Faculty*	39
	Adjunct Faculty*	16
	Management and Support Staff	31
	Total	65
Faculty of Postgraduate Medicine (FoPGM)	Full-time faculty	8
	Core faculty*	46
	Adjunct faculty*	17
	Management and support staff	3
	Total	11
	Grand Total	144
*Doctors of JDWNRH & Drungtshos of NTMH		

\*\*Employees on Regular Appointment

#### 2.2. Capacity/Professional development

In order to enhance the knowledge and skills of the employees of the

University, they were sent for various training programs such as the pedagogy training, faculty exchange program, leadership and strategic management training in the healthcare system. They also participated in various conferences. seminars and workshops both within and outside the region.

For the first time, with the funding support from the University, two Administrative Officers of FNPH and FoTM successfully completed their



Hon'ble President and Dean, FNPH with MBA araduates

Master's in Business Administration (MBA) of the University of Canberra, Australia conducted at the Royal Institute of Management (RIM), Thimphu.

#### 2.3 Dedicated Service Award - 2016

As per the Royal Command of His Majesty the King, 11 staff from Khesar Gyalpo University of Medical Sciences of Bhutan were awarded the medals for Dedicated Service Award -2016 in recognition to their dedicated service and loyalty to the Tsa-Wa-Sum. The award ceremony was held on 16<sup>th</sup> of December 2016 presided over by the Hon'ble President of the University. The following were the recipients;

#### 30 years of service

- 1. Dr. Neyzang Wangmo, Director MECRIT
- 2. Ms. Diki Wangmo, Assistant Professor FNPH

#### 20 years of service

- 1. Dr. Tashi Tobgay Director, HRP KGUMSB
- 2. Drungtsho Tendrel Wangdi, Dean FoTM
- 3. Mr. Tashi Norbu, Deputy Chief Program Officer MECRIT

#### 10 years of service

- 1. Dr. Kuenzang Chhezom, Lecturer FoPGM
- 2. Ms. Kinzang Choden, Personal Assistant OOP
- 3. Mr. Tashi Chogyal, ADM Assistant OOP
- 4. Ms. Karma Choden, Associate Lecturer FNPH
- 5. Ms. Sangay Wangmo, ADM Assistant FNPH
- 6. Drungtsho Jurmie Choden, Deputy Chief Program Officer
   MECRIT



Hon'ble President with Recipients of the Dedicated Service Award - 20

#### 2.4 The National Order of Merit for Excellence in Teaching - 2016

During the 109<sup>th</sup> National Day Celebration, the National Order of Merit for Excellence in Teaching - 2016 (*Gold/Silver/Bronze Medal*) was awarded to the following staff from the Teaching Hospital (Jigme Dorji Wangchuk National Referral Hospital) of the Khesar Gyalpo University of Medical Sciences of Bhutan;

- a. Dr. Phurb Dorji, Professor (FoPGM) and Head of Department – Obstetrics and Gynecology (JDWNRH): Gold Medal
- b. Mr. Karma Tshering, Clinical Tutor (FNPH) and Senior Medical Laboratory Technologist – Laboratory (JDWNRH): Silver Medal
- c. Dr. Guru Prasad Dhakal, Associate Professor (FoPGM) and Head of Department Medicine: Bronze Medal



Hon'ble President with recipients of National Order of Merit – 2016



# 3. Academic Program Development

# **3.1 University Academic Programs**

# 3.1.1 Faculty of Traditional Medicine

Sl.	Academic Programmes	Number of Students		ents
No.		Male	Female	Total
1	B.Sc. in Traditional Medicine (Drungtsho) Year 1	6	2	8
	B.Sc. in Traditional Medicine (Drungtsho) Year 2	5	2	7
	B.Sc. in Traditional Medicine (Drungtsho) Year 3	6	2	8
	B.Sc. in Traditional Medicine (Drungtsho) Year4	3	3	6
	B.Sc. in Traditional Medicine (Drungtsho) Year 5	4	4	8
2	Diploma in Traditional Medicine (sMenpa) Year 1	5	10	15
	Diploma in Traditional Medicine (sMenpa) Year 2	6	6	12
	Diploma in Traditional Medicine (sMenpa) Year 3	9	2	11
3	Diploma in gSorig Pharmaceuticals	4	4	8
	Total	48	35	83

# 3.1.2 Faculty of Nursing and Public Health

Sl.	Academic Programmes	Numb	er of Stud	lents
No.		Male	Female	Total
1	B.Sc. in Public Health (Inservice)		3	5
2	B.Sc. in Nursing and Midwifery (Inservice)	5	3	8
3	B.Sc. in Clinical Counselling 1st Year	2	2	4
	B.Sc. in Clinical Counselling 2nd Year	2	4	6
	B.Sc. in Clinical Counselling 3rd Year	2	4	6
4	Diploma in Foundation Course	50	49	99
5	Diploma in Community Health 2nd Year	10	15	25
	Diploma in Community Health 3rd Year	10	15	25
6	Diploma in Dental Hygiene 2nd Year	2	3	5
	Diploma in Dental Hygiene 3rd Year	2	2	4
7	Diploma in Dental Technology 2nd Year		2	5
	Diploma in Dental Technology 3rd Year	2	2	4
8	Diploma in Physiotherapy 2nd Year	3	3	6
	Diploma in Physiotherapy 3rd Year	2	2	4
9	Diploma in X-Ray Technology 2nd Year	7	3	10
	Diploma in X-Ray Technology 3rd Year	6	3	9
10	Diploma in Laboratory Technology 2nd Year	8	8	16
	Diploma in Laboratory Technology 3rd Year	8	8	16

11	Diploma in Pharmacy Technology Year	2nd	9	7	16
	Diploma in Pharmacy Technology Year	3rd	7	8	15
12	Diploma in General Nursing Midwifery Year 1	and	20	28	48
	Diploma in General Nursing Midwifery Year 2	and	17	29	46
	Diploma in General Nursing Midwifery Year 3	and	22	26	48
<b>Total Number of Students</b>			201	229	430

# 3.1.3 Faculty of Postgraduate Medicine (FoPGM)

Sl. No.	Academic Programs	Number of Students		Total
		Male	Female	
1	MD in Anesthesiology Year 1	1	0	1
	MD in Anesthesiology Year 2	0	0	0
	MD in Anesthesiology Year 3	1	0	1
2	MD in General Surgery Year 1	1	0	1
	MD in General Surgery Year 2	2	0	2
	MD in General Surgery Year 3	1	0	1
3	MD in Internal Medicine Year 1	1	1	2
	MD in Internal Medicine Year 2	0	1	1

	MD in Internal Medicine Year 3	0	0	0
4	MD in Pediatrics Year 1	1	0	1
	MD in Pediatrics Year 2	2	0	2
	MD in Pediatrics Year 3	1	1	2
5	MD in OBGYN Year 1	0	0	0
	MD in OBGYN Year 2	0	1	1
	MD in OBGYN Year 3	2	0	2
6	MD in Ophthalmology Year 1	0	1	1
	MD in Ophthalmology Year 2	0	0	0
	MD in Ophthalmology Year 3	2	0	2
	Total	15	5	20

#### 3.2 New Academic Programmes

With the validation of the new academic programmes by the Validation Committee and approval from the 7<sup>th</sup> Academic Board of University and Bhutan Medical & Health Council, the new Academic programmes as listed below are set to be initiated from the 2017 academic year;

#### 3.2.1 Faculty of Postgraduate Medicine

- i. MD in Orthopedics
- ii. MD in General Practice

#### 3.2.2 Faculty of Nursing of Public Health

- i. B.Sc in Clinical Counseling
- ii. Diploma in Community Health
- iii. Diploma in Radiology & Medical Imaging

- iv. Diploma in Pharmacy
- v. Diploma in Physiotherapy
- vi. Diploma in Dental Hygiene
- vii. Diploma in Dental Technician
- viii. Diploma in Medical Laboratory Technology

#### 3.2.3 Faculty of Traditional Medicine

i. M. Sc. in Traditional Medicine

#### 3.3 Elective Program/ Student Exchange

#### 3.3.1 Residents' Exchange Program

As per Post Graduate(PG) curriculum and BMHC regulations, it is a mandatory activity for the PG residents to undergo elective programs to get exposure and enhancement of their knowledge and skills in the clinical field. Therefore, 12 residents (2nd and 3rd Year) from the Faculty of Postgraduate Medicine were sent for elective programs in various institutes in India.

#### 3.3.2 Exchange program for FNPH

As part of Faculty and Student Exchange program, Deakin University, Melbourne, Australia visited Faculty of Nursing and Public Health (FNPH) from 24<sup>th</sup> of October to 9<sup>th</sup> of November 2016.



Deakin Students & Staff interacting with lecturers of FNPH

The visiting students attended classes, observed clinical sessions, organized and conducted community services along with FNPH students. The visit provided opportunity to students of both institutions to enhance cross-cultural health and nursing care

through sharing of experiences and broadening their learning scope with the new knowledge and experiences gained.

From the Faculty of Nursing and Public Health, 4 students were sent for the student exchange program to Thailand and Japan.

#### 3.4 Continuing Medical Education (CME)

Faculties conducted series of Continuing Medical Education (CME) for academicians, residents and other medical staff in order to help enhance their knowledge, skills and competencies in the medical field for the improvement of healthcare system.

Sl. No	СМЕ	Date	No. of Participants	Resource Person
1.	Targeted therapies in solid tumour	6/08/2016	36	Dr. Vineet Talwar
2	Management of Hepatitis B, C & Nash and Hepatocellular carcinoma	8/08/2016	59	Dr. Sudhamshu KC and Dr. Anantha Shrestha
3	Wound Management	19/09/2016	45	Interplast Experts
4	Essential Medical Emergencies	28/09/ 2016	80	Dr. Sabaretnam M
5	Symposium on Diabetes	29/03/2017	52	Dr. Akhil Mishhra, Dr. Havind Tandon,Dr. D. B Subba
6	Plastic and reconstructive surgery in management of burn and mangled extremities	3 June 2017	64	Dr. Margrit Elliot, Dr. Jeff Friedrich



Management of Hepatitis B & C, Nash and hepatocellular carcinoma

#### 3.5 Epilepsy Seminar

The FoPGM conducted Epilepsy Seminar on 25<sup>th</sup> July of 2017 in coordination with Dr. Devendar Bhalla, Epilepsy Specialist from Delhi. The resource person was Prof. Dr. Manjuri Thripati, Professor of Neurology



Participants of the Epilepsy Seminar

from All India Institute of Medical Sciences (AIIMS), Delhi.

The local speakers Dr. Dechen Nidup from Department of Radiology and Dr. Damber K. Nirola from Department of Psychiatry were invited with the aim to understand the local perspective on the topic.

The overall goal of the seminar was to sensitize and update on epilepsy and encouragement of young researchers.

#### 3.6 Thesis Defense Examination for residents

The FoPGM conducted first ever Thesis Defense Examination on 25<sup>th</sup> and 26<sup>th</sup> of May 2017 for third year residents undergoing MD courses.

The examination was conducted by 4 member panel of experts comprising of one international



Resident presenting Thesis to the Panelist

panelist, one national panelist from outside the University and two within the University. The purpose of having such composition of panelists was to assure quality of thesis and performance of the residents

#### 3.7 Centralization of Examination

The first ever centralized paper checking for General Nursing & Mid-

Wifery of the final year students of Faculty of Nursing Public Health and Reldri Academy of Health Sciences was conducted by the Examination cell, Khesar Gyalpo



Examiners evaluating papers

University of Medical Sciences of Bhutan. The experts were called from the respective faculties.

#### 3.8 Student Affairs

#### 3.8.1 World TB DAY:

World TB day, themed: "Unite to End Tuberculosis-Leave no one Behind" was celebrated by students and staff of Faculty of Nursing and Public Health on 24<sup>th</sup> of March 2017 initiated by Literary Club with financial assistance from TB Program, Ministry of Health.

#### The objectives were:

i.To create public awareness on TB, its effects and affectsii.To build up collaboration with our counterparts at JDWNRH

**iii.**To enable learning process for students in terms of TB, the disease, approach towards creating awareness, future implications and learning, the importance of teamwork and cooperation with other stakeholders.

The World TB day celebration arranged at the courtyard of the new hospital complex of JDWNRH to reach the larger group of population who comes to visit hospital. The celebration started from 10 am till 1pm. During the celebration maximum number of people visited the hospital for whom the BMI checkup services was provided.

The students from Faculty of Nursing and Public Health (FNPH) and Faculty of Traditional Medicine (FoTM) made eleven poster presentations. Out 11 posters three best posters were awarded cash prizes.



World TB symbol





Free BMI check up to the public by the students of FNPH





Some of the posters presented by the students.

#### 3.8.2 Y-PEER

Y-PEER is youth peer education network to build confident in the individuals to deal with other peers so that they can be approachable and built capability of spreading the information to others and strengthen the network of Y-PEER education.

Y-PEER focuses on educating and advocating youth on adolescent reproductive and sexual health, HIV and substance abuse. It also engages vulnerable young people meaningfully through peereducation and enhances young people's capacity to live a healthy and productive life.



Students indulged in YPEER activities

#### 3.8.3 Games and Sports

#### a. FNPH Khuru Tournament

To promote health and wellbeing through physical activities and to interact with the member faculties of University, FNPH organized open Khuru Tournament in the month of September 2016. The final was played coinciding with Blessed Rainy Day. The Hon'ble President of KGUMSB was the chief guest.

Similarly the inter-class faculty Khuru tournament was organized in the month of April 2017. This was being organized to engage student and staff in promoting national sports and physical activities.



Hon'ble President awarding prizes to the winners of the khuru tournament.

#### b) FNPH Inter-Class Futsal Tournament

In accordance with the institute calendar, Inter- class Futsal Tournament was organized in the month of March 2017. This is aimed for the promotion of physical activities through the participation in games and sports to gain wholesome education.





Inter- class Futsal Tournament

#### c) Open Table Tennis Tournament

The open table tennis tournament was conducted by Faculty

of Postgraduate
Medicine in the month
of July 2016 sponsored
by the CEO, Menjong
Diagnostic Center,
Thimphu with the aim
to interact and



Winners and participants with chief guest

strengthen cooperation among the faculties under the University.

About 20 participants took part in the tournament from OOP, FoPGM, FNPH, MECRIT and different departments from JDWNRH. The winners and runner ups were awarded with trophies and the tokens were given to all the participants in order to encourage more participation in the future.

## 3.9 Visit to AIIMS Jodhpur by team from University

The Examination Coordinators from different faculties and Chief Program officer, Head of Examination Cell, KGUMSB made a visit to Examination division, AIIMS Jodhpur to learn about best practices in the conduct of examination. The Assistant Controller of Examination, AIIMS made detailed presentation on the examination system including examination regulation and guidelines. The practice of setting questions were done by an identified examiners from other

colleges and University and not by the same professor who are teaching in the same institute, which provide check and balance in the maintenance of quality of medical education.

The coding and decoding of the answer paper of the students using bar code so that examiners can award the grade and marks without any bias. They also demonstrated how to conduct different aspects of practical examination.

#### 3.10 Workshop on Assessment and Examination

FoPGM conducted one-day workshop on assessment and examination on 1<sup>st</sup> of April 2017 at University with 35 participants from FoPGM in order to familiarize faculty members involved in residency teaching and preparing MCQs for the residency examination and to discuss on different examination regulations.

The assessment of preparing MCQs was also conducted for teaching faculty of Faculty of Nursing and Public Health and Faculty of Traditional Medicine.

### 3.11 Induction Program

The induction program for newly designated faculties of the

institutes constituent under 4<sup>th</sup> and batch University residents. FoPGM and M.Sc in Traditional Medicine was conducted on 30th of June 2017. The occasion was graced by Hon'ble Health Minister, Lyonpo Wangchuk, Tandin and Chairperson of the Governing Council of University.



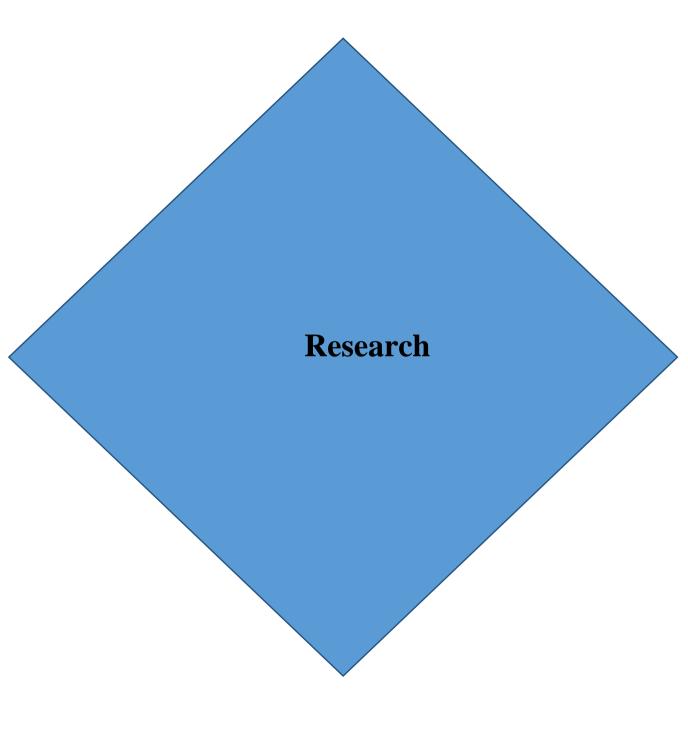
Launching of BHJ

During the induction program, the Bhutan Health Journal Volume 3 Issue 1 was officially released by His Excellency the Health

Minister, Ministry of Health, RGoB. In this issue, four original articles, one viewpoint and review article each followed by two case reports and a letter to editor has been published. Also the Faculty of Postgraduate Medicine launched the website and unfurled the flag.



Hon'ble Chairperson, GC at Induction Program



#### 4. Research

#### 4.1. International Conference on Medical and Health Sciences

The Second International Conference on Medical and Health Sciences, which is an annual conference of the University was conducted by Medical Education Centre for Research Innovation and Training (MECRIT) from 4<sup>th</sup> to 6<sup>th</sup>of November, 2016 at Royal University Bhutan Convention Hall. The theme of the Conference "Celebrating Mother and Child Health" was a dedication to the Birth of His Royal Highness the Druk Gyalsay. The Conference was conducted with the fund support from World Health Organization and United Nation Children's Fund (UNICEF). Around 300 participants and speakers contributed to the success of the conference, out of which ten were from the SAARC region, ten international participants and three Resource person from India.

The main goal of the conference, besides bringing together the expertise from various regions to a common practice, was to provide opportunity to health professionals to update scientific development in clinical fields. It also provided a platform for interaction between local and international researchers to inculcate the culture of research activities among health professionals.



2<sup>nd</sup> International Conference on Medical and Health Sciences

#### 4.2 Research Methodology Training

Medical Education Centre for Research Innovation and Training (MECRIT) organized training on Health Research Methodology from 21<sup>st</sup> to 25<sup>th</sup> of November and from 1<sup>st</sup> to 2<sup>nd</sup> of December 2016. The training was conducted by Dr. Mary Alice, Lecturer from Yale

School of Public Health. local resource person from the Ministry of Health and from University. A total number of 12 participants from FNPH, FoTM, OOPFoPGM. and **MECRIT** attended the The training. training focused the on development of applied



Participants with Hon'ble President and Resource Person

research proposals and to compete for research grant at University.

The main objective of the Training was to enable the participants to learn about developing a conceptual framework for research, develop a study design (purpose, methods, sampling, data, measurement, analysis, and limitations), identifying research ethical issues, and synthesizing the findings such that the results can be used to inform programs, practices and decision making.

#### 4.3 Biostatistics Lecture Series and EpiData entry and analysis

The Faculty of Postgraduate Medicine conducted Biostatistics lecture series and EpiData entry and analysis. The Biostatistics class was conducted from 30<sup>th</sup>of September to 2<sup>nd</sup>of October 2016, with an expert speaker, Prof. Mozammel Hoque from Bangabandu Shiekh Mujib Medical University, Bangladesh.

EpiData entry and analysis was conducted by 3 international resource person from the International Union Against Tuberculosis and Lung Disease (The Union), India with the financial support from GoI- PTA fund (FY 2016-2017) for the residents and teaching faculties of FoPGM from 18<sup>th</sup> to 21<sup>st</sup> of May 2017.

This is conducted primarily to build the capacity of faculties to undertake research projects and to guide the residents with thesis works. This would help the residents to do better thesis works which is mandatory for the residents as a part of course work and also defend the work.



Participants for EipData training

#### 4.4 Bhutan Health Journal

# 4.4.1 Launching of Bhutan Health Journal Volume 2

The Volume 2 Issue 2 of the Bhutan Health Journal was launched on 18<sup>th</sup> of July 2016 by His Excellency Lyonpo Tandin Wangchuk in the sideline of 6<sup>th</sup> GC meeting held at FNPH conference hall. The issue contained five research articles, two review articles, three case reports and one viewpoint article.



Hon'ble Chairperson, Governing Council launching Bhutan Health Journal
Volume 2

#### 4.4.2 Author and Reviewer Training

The author and reviewer training was held at Tashi Yarphel Hotel, Khuruthang, and Punakha with financial support from Bhutan Foundation on 7<sup>th</sup> to 10<sup>th</sup> of January 2017. The training was facilitated by two international resources Professor Willi McFarland, University of California San Francisco (UCSF) and Professor Prashant Jha, British Medical Journal (BMJ) and three local resources from Jigme Dorji Wangchuck National Referral Hospital (JDWNRH) and Faculty of Nursing and Public Health (FNPH). This is conducted primarily to build the capacity to undertake the research projects, especially in the medical field.

The two day Authors training was attended by 15 participants from various fields; Doctors and Nurses from JDWNRH, faculties from Faculty of Postgraduate Medicine and Faculty of Nursing and Public Health, and selected participants from Operational Research Training. The participants were also included from districts. The Author training is focused on developing and understanding the clear roles and responsibilities of Authors while publishing the scientific papers.

The two days Reviewers training was attended by almost all the Editors of Bhutan Health Journal and two reviewers from the National Statistics Bureau, Bhutan. Few reviewers were faculties from Faculty of Postgraduate Medicine since the faculties have to review the thesis of the residents. Nine



Participants of Author and Reviewer Training

were submitted for the review in the training. The participant reviewed the manuscript and presented at the training.

The training is conducted to familiarize new technology to ensure quality papers and to create pool of reviewers.

## 4.4.3 Scientific Paper Writing Workshop

The Scientific Paper Writing workshop was initiated with financial Support from Bhutan Foundation at KGUMSB Conference hall from 29<sup>th</sup> till 31<sup>st</sup> of March 2017. The workshop was facilitated by Professor William McFarland, University of California San Francisco and Professor Praveen Sharma, Dr. Pankaj Bhardwaj and Dr. Jaykaran Charan from All India Institute of Medical Sciences (AIIMS) Jodhpur. The workshop was mainly focused on capacity building of potential authors in Bhutan under diverse medical stakeholders.

The workshop was attended by 39 participants inclusive of faculties working under KGUMSB, diverse professionals from medical stakeholders and PG Residents of Faculty of Postgraduate Medicine, KGUMSB. The workshop had highlighted on various aspects of comprehensive scientific paper writing skills with lots of group work after every session to critique on the presentation given, which in fact had positive impact on the participants to perceive hands on experience at the same time had enhanced bond between the trainee and the trainer.

# 4.4.4 Editorial Board Meeting

The 7<sup>th</sup> Editorial Board meeting held on 8<sup>th</sup> till 9<sup>th</sup> of April 2017 at the KGUMSB conference hall was yet another milestone for the BHJ, KGUMSB since five high level delegates from Journal of Nepal Medical Association (JNMA) and its publisher Nepal Medical Association (NMA) was the first visit ever since Journal's inception. The meeting was solely held to select articles submitted for May 2017 issue however BHJ editorial board members had the privilege to listen to Professor Prashant Jha, BMJ-Editor & Professor at AIIMS & IIT, Delhi during experience sharing session.

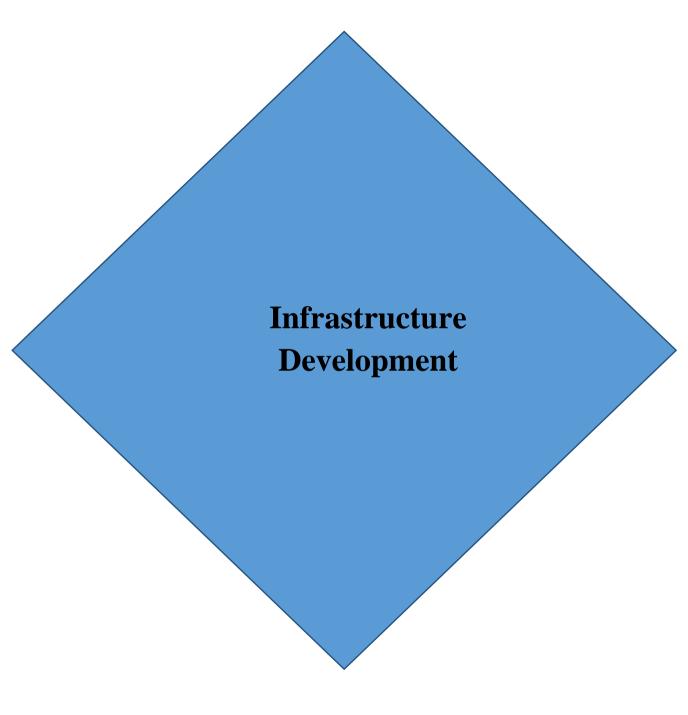
# 4.5 Operational Research Training

The Operational Research Training was organized by Faculty of Postgraduate Medicine, Khesar Gyalpo University of Medical Sciences of Bhutan in Collaboration with Health Research and Epidemiology Unit, Ministry of Health with financial support from World Health Organization at Paro from 10<sup>th</sup> till 22<sup>nd</sup> of September, 2016.

The purpose of this workshop was to enhance the research capacity of the country, produce evidence and to ultimately gear up for evidence based planning so that we have in place a robust health system. This workshop was also geared towards imparting skills for undertaking the entire research process from concept to publication.



Operational Research Training



# 5. Infrastructure Development

## 5.1 Secretariat Building

The physical progress of the construction of new KGUMSB secretariat building above the existing secretariat building is 61%. The intended completion date for the secretariat building is on 18<sup>th</sup> of December 2017.

## **5.2 PG Residency Hostel**

82% of the physical progress of the construction of PG Residency Hostel has been completed till date. The contractor missed the targeted completion deadline, which was on 18<sup>th</sup> of June 2017. The contractor is now working under Liquidated Damages and a penalty of 0.1% of the Contract amount per day shall be levied on the contractor as per Contractual terms and conditions up to maximum of 10% of quoted amount. The construction is expected to be completed by October-November 2017.

# 5.3 Development of Medicinal Herb Garden and Tanadug Phodrang

With the financial support from Bhutan Foundation, the establishment of Medicinal Herb Garden and Tanadug Phodrang (Paradise of Medicinal Buddha) at the Faculty of Traditional Medicine campus has been initiated.

The Medicinal Herb Garden was also developed where high-altitude seedlings were collected and planted. This project puts a special focus on conservation and sustainability of the rare and threatened medicinal plant species. After the completion of the project, over 100 rare and threatened medicinal plant species will be accessible for student learning and training based on *bSo-rig* pharmacopoeia without having to travel to remote highlands of the country.

Tanadug Phodrang, which is the paradise where Lord Buddha identified different medicinal plants in the four directions. This will enable students to practically learn and understand the origin and diversity of traditional medicine. The establishment of Tanadug

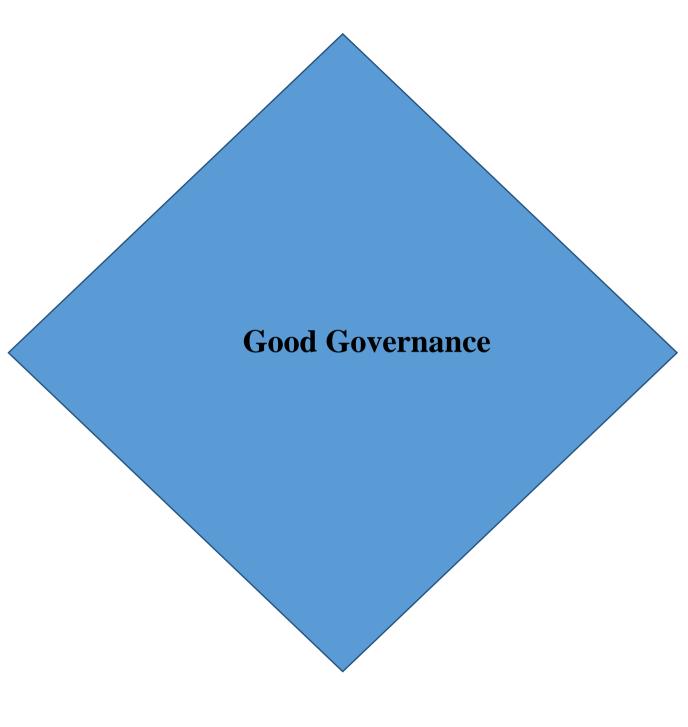
Phodrang will be first and one of its kind in Bhutan. The designing, consultation and tendering processes for the construction of Tanadug Phodrang was carried out.



Design of Tanadug Phodrang



Plantation of Herbs



# **6. Good Governance**

# **6.1.** Governing Council

In the fiscal year 2016-17, the University conducted 6<sup>th</sup> and 7<sup>th</sup> Governing Council (GC) meeting. GC approved University's Fee Structure along with other important issues. The Governing Council is the supreme decision making body for the University chaired by the Health Minister of Bhutan. GC provides directions and support the overall functioning of the University. The GC is composed of 13 members comprising of 3 Government representatives, 7 University representatives, and 2 representatives of professional Associations and one representative from general public as follows:

#### **GC Members:**

Sl. No	Name	Designation	Remarks	
1	Lyonpo Tandin Wangchuk	Health Minister	Chairperson	
2	Dr. Ugen Dophu	Secretary, Ministry Of Health	Government	
3	Mr. Lodey Tsheten	Director, Dept. of Budget, Ministry of Finance	Representative	
4	Dasho Lhab Dorji	President, JDWNRH	Head of Teaching Hospital	
5	Mr. Sangay Thinley	Public Representative	Public Representative	
6	Dr. Kinzang P. Tshering	President, KGUMSB	Members from	
7	Dr. Tashi Tenzin	Dean, FoPGM	University	
8	Dr. Chencho Dorjee	Dean, FNPH		
9	Drg. Tendrel Wangdi	Dean, FoTM		
10	Dr. Dinesh Pradhan	Student Representative,		

		FoPGM	
11	Ms. Subatri Rai	Student Representative, FNPH	
12	Mr.Ugyen Choeda	Student Representative, FoTM	
13	Dr. Tashi Tobgay	Registrar (Member Secretary), OOP	

# 6.2. Advisory Board

The Advisory Board provides advice and guidance to the University on its development goal of making the University the centre of excellence and facilitates the University to establish long, standing and fruitful relationship with eminent academic institutes in the world. The Advisory Board is composed of 9 members comprising of 3 eminent academicians or heads of renowned Medical Institutes outside Bhutan, 2 eminent persons within Bhutan who are not serving the University, 1 from Tertiary Education Board, and Vice Chancellor of RUB as follows:

#### **AB Members**:

Sl. No	Name	Designation/Department	Remarks
1	Prof. Janaka De Silva	Director, Institute of Postgraduate Medicine, Colombo, Sri Lanka	3 eminent academicians or heads of renowned Medical Institutes outside Bhutan
2	Prof. Inagaki	Director, Kyoto University, Japan	
3	Prof. Samiran Nundy	Dean, Sir Ganga Ram Institute of Postgraduate Medical Education and Research, New Delhi, India	

4	Lyonpo Thakur Singh Powdyel	President, Royal Thimphu College	2 eminent persons within Bhutan who are not serving
5	Mr. Rinchen Wangdi	Director, Gross National Happiness Commission	University
6	Dasho Nidup Dorji	Vice Chancellor, Royal University of Bhutan	
7	Mr. Tshewang Tandin	Director General, Ministry of Education	Tertiary Education Board
8	Dr. Kinzang P.Tshering	President, KGUMSB	
9	Dr. Tashi Tobgay	Registrar, KGUMSB	Member Secretary

#### 6.3. Academic Board

The Academic Board was formed as mandated by the University of Medical Sciences Act of Bhutan 2012 to set standards and quality of teaching comparable to international standards. Its sole function is to advise, develop and evaluate the implementation of academic programs in the University. The meeting for the Academic board is held twice a year.

The Academic Board is composed of the following members:

### **AB Members:**

Sl. No	Name	Designation/Agency	Remarks
1	Dr. Kinzang P Tshering	President, KGUMSB	Chairperson
2	Dr. Gosar Pemba	Medical Superintendent, JDWNRH	Representative from Teaching Hospital
3	Dr. Krishna P. Sharma	Laboratory, JDWNRH	Representative from Teaching Hospital

4	Dr. Tashi Tenzin	Dean, FoPGM	Member
5	Dr. Chencho Dorjee	Dean, FNPH	Member
6	Drg. Tendrel Wangdi	Dean, FoTM	Member
7	Dr. Damber S. Mothey	Dean, RAHS	Member
8	Mr. Tshering Dukpa	Dy. Dean PH & AHS, FNPH	Member
9	Ms. Deki Pem	Dy. Dean N&M, FNPH	Member
10	Drg. Sangay Wangdi	Dy. Dean AA, FoTM	Member
11	Dr. Karma Tenzin	Dy. Dean, FoPGM	Member
12	Mr. Phuntsho Norbu	Librarian, FNPH	Member
13	Dr. Sonam	Student Representative, FoPGM	Member
14	Mr. Yonten Phuntsho	Student Representative, FNPH	Member
15	Mr. Dago Tshering	Student Representative, FoTM	Member
16	Dr. Tashi Tobgay	Registrar, KGUMSB	Member Secretary

# **6.4.**University HRC

As mandated by the University Act of Bhutan - 2012, the University Human Resource Committee (UHRC) was formed in order to streamline the decision-making processes with respect to human resource development and management of the university and its constituent faculties. It shall guide and address all human resource actions within the University to promote broader participation, ensure fair and transparent decisions based on merit.

It is conducted twice in a month (Every alternate Wednesday) and the composition of members are as follows:

Sl. No	Name	Designation/ Agency	Remarks
1	Dr. Pakila Drukpa	Registrar	Chairperson
2	Dr. Tashi Tobgay	Director - HR and Planning	Vice – Chairperson
3	Dr. Chencho Dorjee	Dean – FNPH	Member
4	Drg. Tendrel Wangdi	Dean – FoTM	Member
5	Dr. Tashi Tenzin	Dean – FoPGM	Member
6	Dr. Neyzang Wangmo	Director – MECRIT	Member
7	Ms. Deki Pem	Deputy Dean, FNPH	Member
8	Mr. Tshering Dukpa	Deputy Dean, Public Health and Allied Health Sciences - FNPH	Member
9	Drg. Sangay Wangdi	Deputy Dean, Academic Affairs – FoTM	Member
10	Dr. Karma Tenzin	Deputy Dean - FoPGM	Member
11	Mr. Dorji Phuntsho	Administrative Officer - FoTM	Member
12	Ms. Pema Wangmo	Assis. Administrative Officer - FNPH	Member
13	Ms. Anjana Pradhan	Human Resource Officer – OOP	Member Secretary

Each faculties also have their own Human Resource and Management Committees that oversees any HR and management issues at their disposal.

# 6.5. Annual Performance Agreement 2017-2018 Signing

Dasho Tshering Tobgay, Hon'ble Prime Minister signed the Annual

Performance Agreement 2017-18 (APA) for Khesar Gyalpo University of Medical Sciences of Bhutan (KGUMSB) with President, Dr. Kinzang P Tshering on 8th August 2017 at the **Royal** Banquet Hall along with Bhutan Narcotics Control Authority



Annual Performance Agreement 2017-2018 Signing

(BNCA), Drug Regulatory Authority (DRA), Bhutan Health Trust Fund (BHTF) and Bhutan Medical and Health Council (BMHC).

Following the APA signing with the Hon'ble Prime Minister, the President of the University also signed the APA with Deans of the Faculty of Postgraduate Medicine (FoPGM), Faculty of Nursing and Public Health (FNPH), Faculty of Traditional Medicine (FoTM) and Medical Education Center for the Research Innovation and Training (MECRIT) on 8<sup>th</sup> September, 2017.

# 6.6 Achievements as per Annual Performance Agreement 2016-2017

Some of the notable changes achieved in the Fiscal Year 2016-2017 are seen reflected in the overall achievements of the APA 2016 - 2017. The University managed to achieve a score of 93.50% in the APA 2016-2017. Following are some of the major achievements of APA 2016-2017:

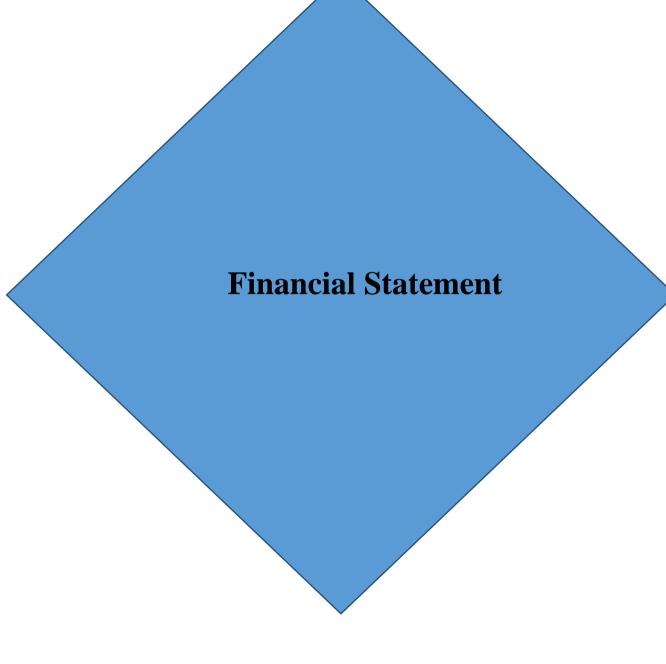
Total Number of Success indicators	27
Number of Success indicators Achieved	20
Number of Success indicators Not Achieved	7

<b>Success Indicator</b>	Target	Achievement	Remarks
No of curriculum validated by University	5	6	Curriculum such as M. Sc. Drungtsho, Certificate in Midwifery and Essential New born, OT, Dialysis, Adult ICU has been validated
No. of curriculum accredited by the BMHC	5	6	Curriculum such as M. Sc. Drungtsho, Certificate in Midwifery and Essential New born, OT, Dialysis, Adult ICU has been accredited
No of students enrolled for Post Graduate Residency program	15-16	8	Although 9 applicants applied for the Program, 2 applicants withdrew their candidacy after few months
No of guidelines and sops developed	5	6	Resident, Intern and faculty guideline, guideline for development of new program and continuation of existing program, guideline for development of Annual report of the program
No. of students sent for exchange program	7 to 9	12	Achieved. 6 second year Residents sent to GRIPMER, 2 third year Residents sent to LV Prasad University and 4 residents sent to AIIMS, India
No of MIS modules developed(HR, student, Finance)	3	6	On top of HR, student and Finance, we have developed modules on exam cell, student service, alumni, staff and attendance

No of health staff trained by Medical Education Centre for Research, Innovation and Training	40-50	95	15 health staff were trained on Leadership and strategic management training in the health care system and 80 JDWNRH staff in Hospital Administration and management.
No of faculties and health staff trained in research methodology	8 to 10	12	Achieved
No. of research articles presented/published	8 to 10	20	14 research articles presented in ICMH. 6 (3 original, 2 review & 1 case report) published in BHJ
No of BHJ issues published	2	2	Two issues published
No of institutional linkages established	6 to 7	7	MoUs were signed with University of Utah, University of California San Francisco, University Hospital of Ludwig, Institutes of Orthopaedics Lerdsin, Changmai University, Indian Institute of Health Management and Research and National Board for Certified Counsellors.

Following are the achievements of the Constituent Faculties of the University as per their APA 2016-2017 signed with Hon'ble President:

- 1. Faculty of Postgraduate Medicine: 97%
- 2. Faculty of Nursing and Public Health: 93.50%
- 3. Faculty of Traditional Medicine: 96.11%
- 4. Medical Education Centre of Research Innovation and Training: **80.56%**



# 7. Financial Statement

# Approved Capital Budget for the Financial Year: 2016-2017

Faculty	Current	Capital	Other	Total
			Funding	
Office of	40.878	10.253	48.638	99.769
President				
FoTM	15.459	3.566		19.025
FNPH	41.089	6.858		47.947
Total	97.426	20.677	48.638	166.741

# Faculty of Nursing and Public Health Income & Expenditure statement FY 2016-2017

Income	For the year end 30-6-2017	For the year end 30-6-2016
Direct Income (Per student cost		
from RGoB, fee from self funding		
students and gratuity)	41,089,804.00	39,343,000.00
Indirect Income (Rental, Research,		
Miscellaneous income)	13,760,311.21	9,289,962.88
Total	54,850,115.21	48,632,962.88
Expenditure		
Operating expenses	17,149,013.35	12,822,334.99
Pay & Allowances	21,723,000.00	21,411,930.00
Students services	4,801,500.00	5,791,200.00
Professional Services	1,513,207.50	308,703.00
Total	45,186,720.85	40,334,167.99
Closing Balance	9,663,394.36	8,298,794.89

# Faculty of Traditional medicine Income & Expenditure statement FY 2016-2017

Income	For the Year Ended 30.06.2017	For the Year Ended 30.06.2016
Direct Income (RGoB Grant)	15,459,400.00	14,921,000.00
Indirect Income (Rental, Research & other Miscellaneous income)	1,424,560.90	928,976.78
Total	16,883,960.90	15,849,976.78
Expenditure		
Pay and Allowances	9,792,832.00	4,069,365.36
Student Services	1,170,300.00	7,360,546.00
Operating Expenses	3,408,159.97	970,437.00
Professional Service (DS)	20,000.00	56,650.00
Total	14,391,291.97	12,456,998.36
Closing Balance	2,492,668.93	3,392,978.42

