



# Physiotherapy Education System

## University of Medical Technology, Yangon, Myanmar



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**D1 Student of Physical Therapy**  
**International University of Health and Welfare**  
**Ohtawara Campus**



# Sharing Points



## 1. Introduction

1.1. Myanmar Education System

1.2. Brief history of University of Medical Technology, Yangon

1.3. Brief History of Other Physiotherapy Institutions in Myanmar

## 2. PT education system

2.1. Undergraduate

2.2. Postgraduate

## 3. After graduation

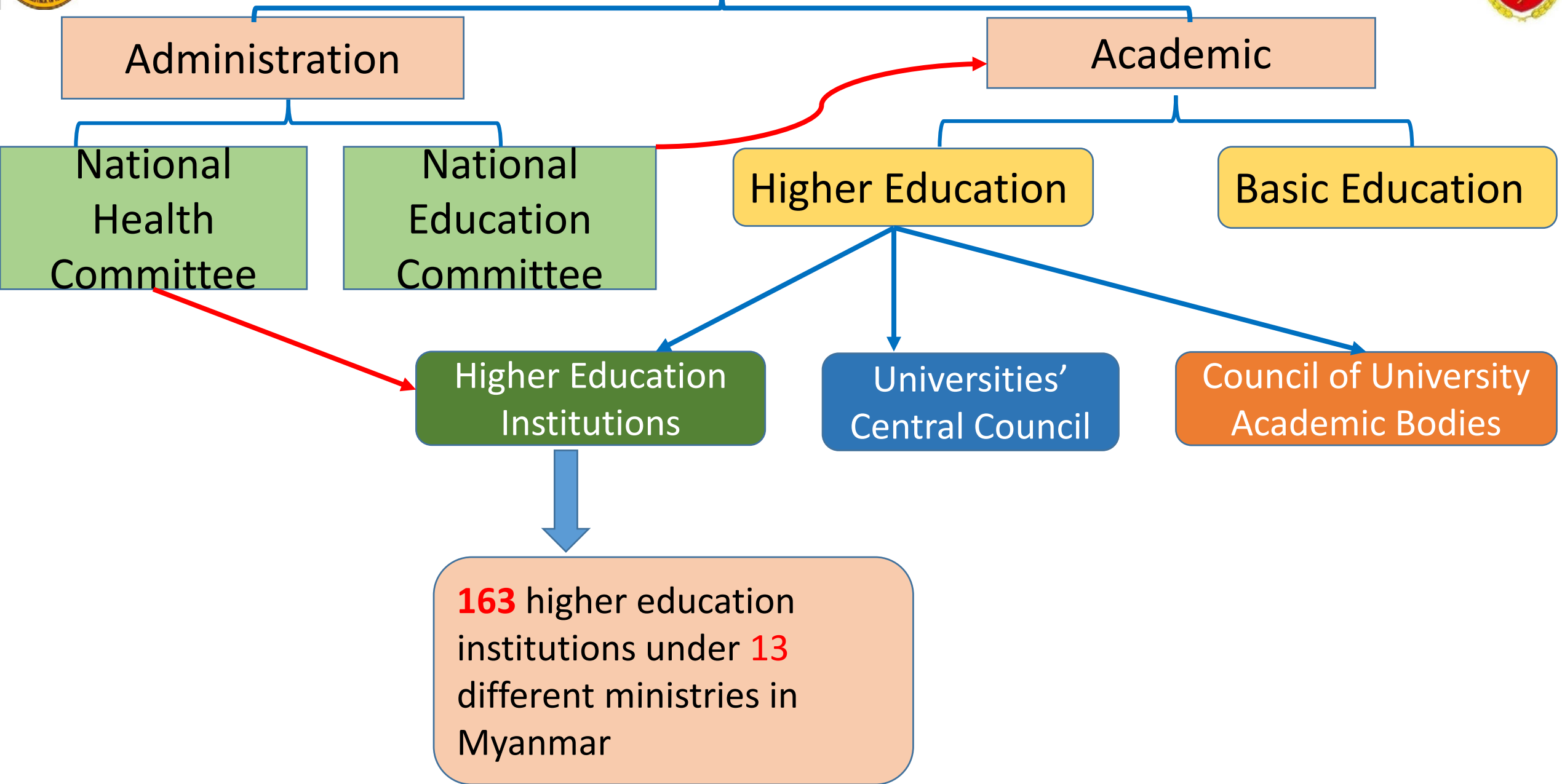
## 4. Conclusion



# 1. INTRODUCTION



# 1.1. Education System in Myanmar





Sr. No	Ministry	Number
1	Education	66
2	<b>Health</b>	15
3	Science and Technology	61
4	<b>Defence</b>	5
5	Culture	2
6	Environmental Conservation and Forestry	1
7	Agriculture and Irrigation	1
8	Livestock Breeding & Fisheries	1
9	Co-operatives	5
10	Union Civil Service Board	1
11	Religious Affairs	1
12	Border Affairs	2
13	Transport	2
<b>Total</b>		<b>163</b>



# The Republic of the Union of Myanmar

National Health Committee

National Education Committee

Ministry of Health

Ministry of Education

99%

From 2015 April 01 (01%)

University of Medical Technology, Yangon

PT

MLT

MIT

P & O

Jan 2015



## 1.2. Brief History of UMTY

<b>1960-1964</b>	Establishment of 4-year degree course for Physiotherapy with the collaboration of British Colombo Plan and Department of Health ( Physiotherapy training in UK)
<b>1964 December</b>	Foundation of School of Paramedical Sciences, Yangon
<b>1964-1986</b>	Four-year diploma courses for Physiotherapy, Medical Laboratory, Radiography and Pharmacy at Yangon General Hospital
<b>1986-1991</b>	Two-year diploma courses for Physiotherapy, Medical Laboratory, Radiography
<b>1991 December</b>	Foundation of Institute of Paramedical Sciences (IPMS) in Kamayut, Yangon
<b>1991-1993</b>	Two-year bridge course for degree of Physiotherapy, Medical Laboratory, Radiography



## --Continue history of UMTY



<b>1993 December</b>	Opening of 4-year degree courses for Physiotherapy, Medical Laboratory, Radiography according to university entrance selection criteria
<b>2001 January</b>	Opening of new campus in Aung San, Insein, Yangon
<b>2003 December</b>	Establishment of 2-year Master's Programs for Physiotherapy, medical Laboratory and Radiography
<b>2005 January</b>	From IPMS to University of Medical Technology , Yangon (UMTY) From Medical Laboratory to Medical Laboratory Technology (MLT) From Radiography to Medical Imaging Technology (MIT) )
<b>2008 May</b>	Relocation of all departments from Kamayut campus to Aung San, Insein campus
<b>2015 January</b>	Establishment of the Department of Prosthetic & Orthotic supported by Nippon Foundation and the Cambodia Trust





## 1.3. History of Other Physiotherapy Institutions in Myanmar

<b>2000 May</b>	Foundation of University of Medical Technology , Mandalay (UMTM) Four-year degree courses for PT, MLT and MIT
<b>2010 December</b>	Establishment of 2-year Master's Programs PT, MLT and MIT at University of Medical Technology ,Mandalay (UMTM)
<b>2000 February</b>	Foundation of Defence Service Institute of Nursing (DSIN)
<b>2002 November</b>	Establishment of Military Institute of Nursing and Paramedical Science (MINP) , Yangon at DSIN Four-year degree courses for PT, MLT, MIT, Nursing & Pharmacy
<b>2009 January</b>	Establishment of 2-year Master's Programs for PT, MLT, MIT, Nursing and Pharmacy at Military Institute of Nursing and Paramedical Science (MINP) , Yangon



**UMTM (2000- present)**



**UMTY (1991-present)**



**MINP (2000- present)**

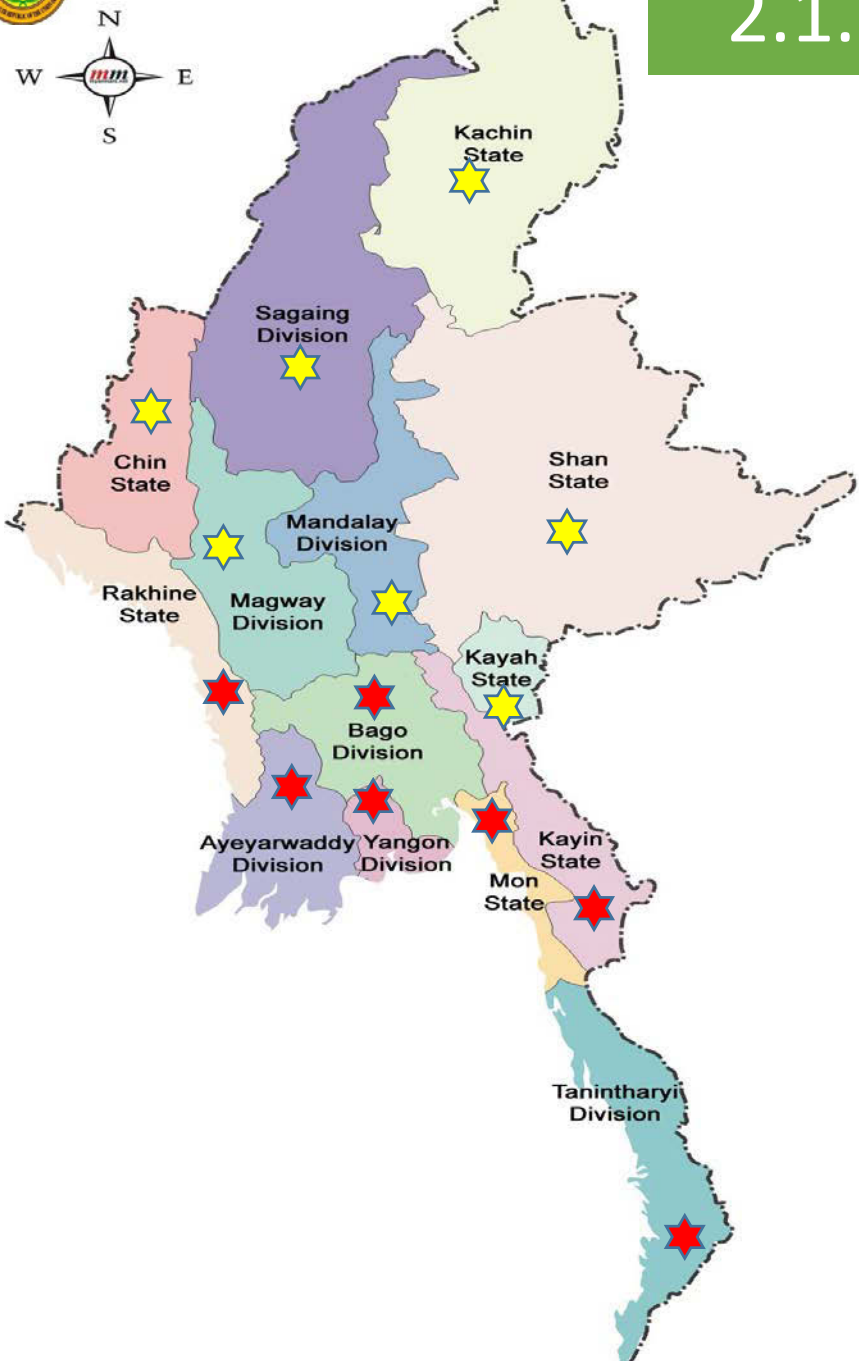




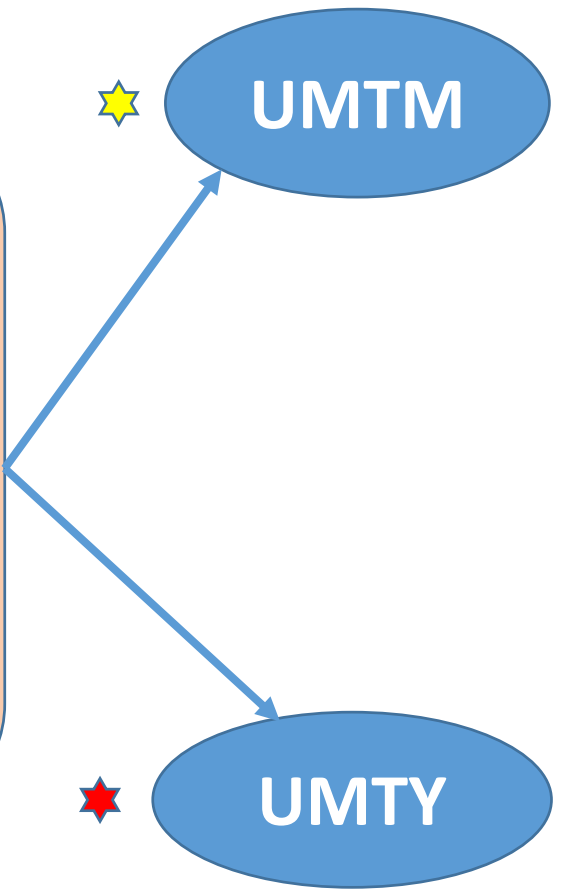
## 2. PHYSIOTHERAPY EDUCATION SYSTEM



# 2.1. Undergraduate(Bachelor)



Students' eligibility criteria is determined according to their **order of merit** based on their **Marks** gained in Basic Education High School Examination ( National Matriculation Examination)





# Four-year curriculum

**1<sup>st</sup> Year**  
Basic sciences  
Lectures & Practical

**2<sup>nd</sup> Year**  
Basic HS +  
Kinesiology  
Lectures & Practical

**3<sup>rd</sup> Year**  
Fundamental &  
Applied PT  
Lectures, Practical,  
Clinical Training

**4<sup>th</sup> Year**  
Fundamental &  
Applied PT  
Lectures, Practical,  
Clinical Training

Myanmar  
English  
Mathematics  
Biology  
(Bot:+Zoo:)  
Physics  
Chemistry

Human Anatomy  
Physiology  
Biochemistry  
General pathology  
Kinesiology

Exercise therapy  
Electrotherapy  
General Med; Cond:  
General Surg: Cond:

Rheumatology  
Trauma & Ortho: Cond:  
Paed: & Geri: Cond:  
Neuro & Rehabilitation

PPDP = Professional Personal Development Program  
Ethics, Communication Skills, Leadership, PBL, EQ, EI



# First Year

## 1<sup>st</sup> Semester

Monday in last week of December – 31<sup>st</sup> March  
in next Year

Class Test I  
Paper-based  
(March)

Summer Vacation (April 1<sup>st</sup> – 30<sup>th</sup>)

Class Test II  
Paper-based  
(July)

## 2<sup>nd</sup> Semester

2<sup>nd</sup> May – third week of October

Apply for  
major subject  
Before final  
Exam

Class Test III  
Practical  
(September)

End year Vacation for those who passed final  
exam ( until 31<sup>st</sup> Dec)

Final Exam  
(Regular)  
Paper-based &  
Practical ( Oct)  
**2 attempts only**

Supplementary Classes and Exam  
( 6 weeks)

Last week of Oct: - 1<sup>st</sup> Week of Dec

No right to sit  
on final exam if  
class attendance  
< 75%



# Students' Selection for Major Subjects

After Completion of 1<sup>st</sup> year Examination ( December)

According to their order of merit based on their Marks obtained in 1<sup>st</sup> year examinations

PT  
33.3%

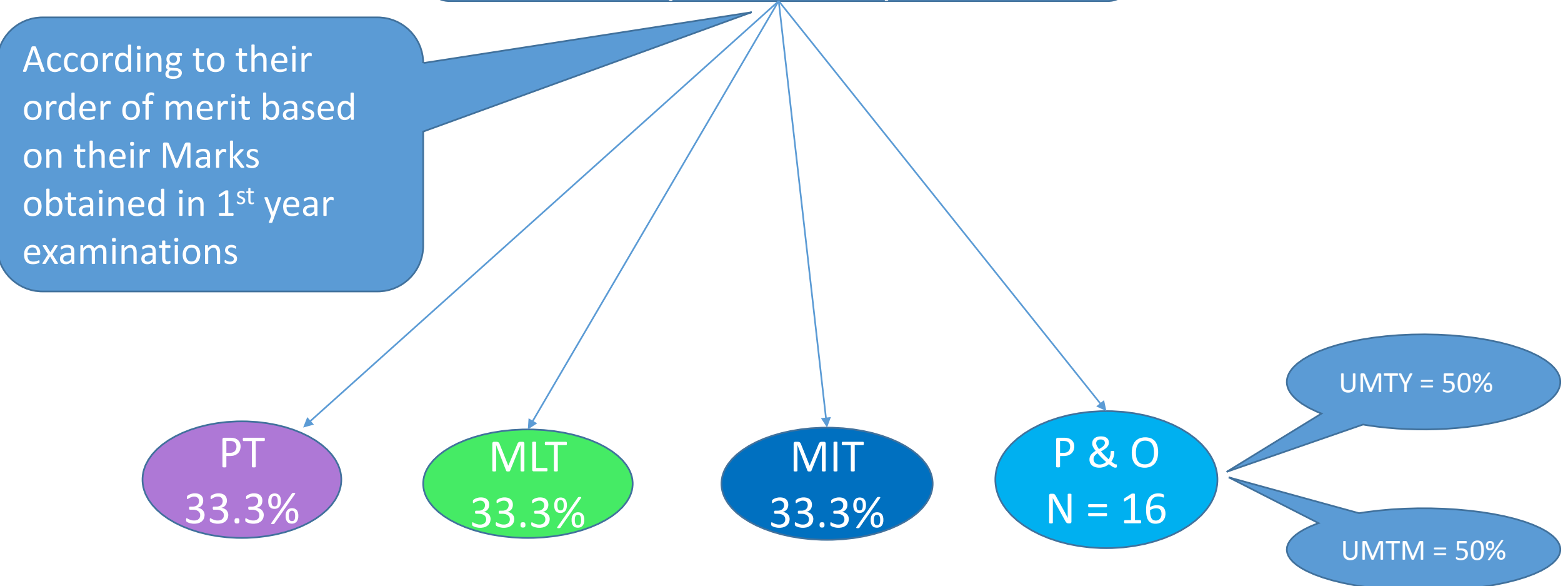
MLT  
33.3%

MIT  
33.3%

P & O  
N = 16

UMTY = 50%

UMTM = 50%





# 2nd Year – Final Year



1<sup>st</sup> Semester (3months)  
1<sup>st</sup> January – 31<sup>st</sup> March

Summer Vacation (April 1<sup>st</sup> – 30<sup>th</sup>)

2<sup>nd</sup> Semester (6months)  
2<sup>nd</sup> May – End of Oct / 1<sup>st</sup> week of Nov

End year Vacation for those who passed  
final exam ( until 31<sup>st</sup> Dec)

Supplementary Classes and Exam  
( 6 weeks)

2<sup>nd</sup> week of Nov: - End of Dec:

Class Test I ( **10%**)  
Paper-based ( 3hrs)  
( March)

Class Test II ( **10%**)  
Paper-based (3hrs)  
(July)

Class Test III (**10%**)  
Practical ( 30min, OSCE)  
(September)

Final Exam (Regular)  
Paper-based (**40%**, 3hrs)  
Practical (**20%**, 30min, OSCE)  
Oral ( **10%**, 10 min)  
( October/November)  
**3 attempts only**

No right to sit on  
final exam if  
class attendance  
< 75%





# Organization Set up



UNIVERSITY OF MEDICAL TECHNOLOGY, YANGON  
DEPARTMENT OF PHYSIOTHERAPY



Dr. Khin Saw Oo  
Associate Professor / Head



Daw Aye Aye Thant  
Lecturer



Daw Saw Mya Soe  
Assistant Lecturer



Daw Thwe Zar Chit  
Assistant Lecturer



Daw Thiri Thin Moe  
Assistant Lecturer



Daw Thanda Aye  
Assistant Lecturer



Daw Hnin Nu Aung  
Demonstrator



Daw Zon War Lin  
Demonstrator



Daw Aye Innet Aung  
Demonstrator



Daw Su Santhi Hla Tun  
Demonstrator



Daw Khin Nain Chit Win  
Demonstrator



Daw Tin YeDee Aung  
Demonstrator



Daw Aye Sandi Myint Aung Thun  
Demonstrator



Daw Pyin Phyo Khin  
Demonstrator



Daw May Phyo Phye Me  
Demonstrator



Daw Wut Yi Nady  
Demonstrator



Daw Su Thant Aung  
Demonstrator



MINISTRY OF HEALTH  
DEPARTMENT OF MEDICAL SCIENCE  
UNIVERSITY OF MEDICAL TECHNOLOGY, YANGON  
OPENING CEREMONY OF  
PROSTHETIC & ORTHOTIC DEPARTMENT  
YANGON  
17.1.2015





# First 1<sup>st</sup> year Classes





# 2<sup>nd</sup> Year Classes





# 3<sup>rd</sup> Year Classes



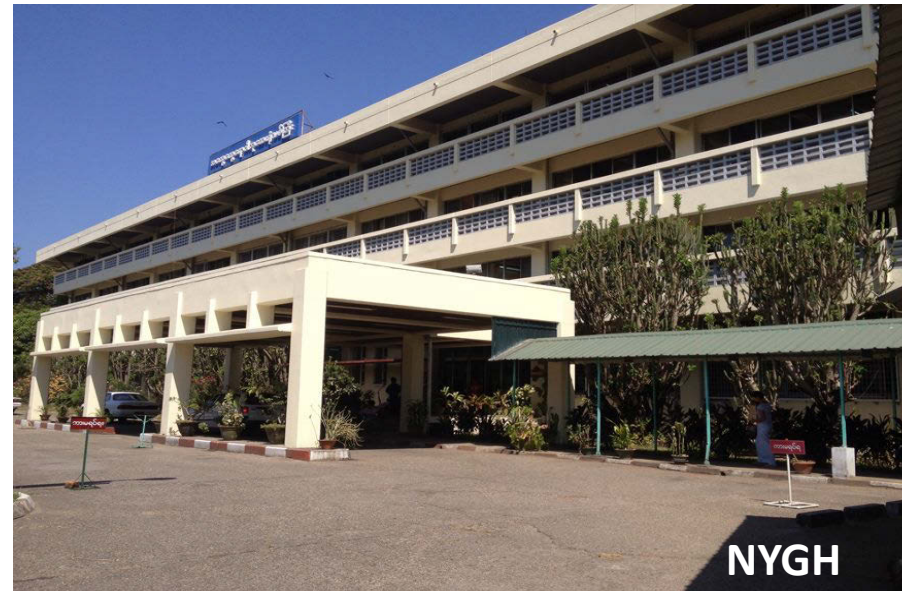
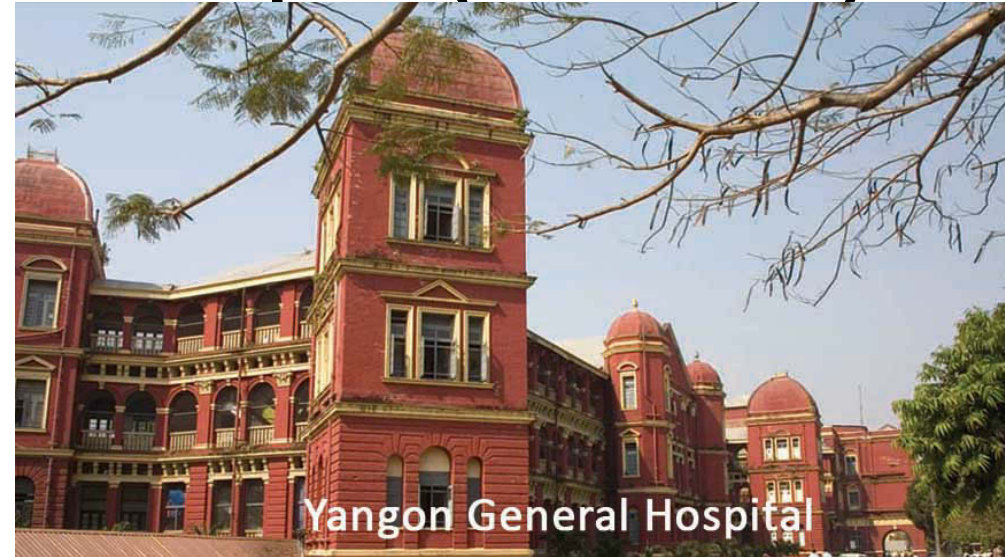


# Clinical Placement for 3<sup>rd</sup> year (287hours)



## YGH + NYGH + 500-Bedded Specialist Hospital ( 203 hours)

1. Physical Medicine & Rehab: Dept:
2. General Medical Wards
3. General Surgical Wards
4. Intensive Care Unit
5. Dermatology dept
6. Special skin dept
7. Chest Medical Ward
8. Chest Surgical Ward
9. Cardiac Medical Ward
10. Cardiac Surgical Ward





- **National Rehabilitation Hospital (56 hrs)**



**Central Women's Hospital (28 hours)**



# 4<sup>th</sup> year Classes







# Community Physiotherapy





# Clinical Placement (287 hours)



- **Yangon General Hospital (91 hours)**

- Physical Medicine & Rehab: Dept
- Neuro Medical Wards
- Neuro Surgical Wards
- Traumatology Unit



- **Mental Health Hospital (7hours)**

- **National Rehabilitation Hospital (56 hours)**





## Yangon Orthopedic Hospital (49 hours)



## Yangon Children's Hospital (56 hours)





## 2.2.Postgraduate (Master)



### Criteria for application

- B.P.Sc / B.Med.Tech graduates with 2 years government service
- Certificate of completion of 14 weeks Basic Course for Junior Officer at Central Institute Of Civil Service

### Selection Examination

Written examination for

- (a) Subject matter (2 hours, MCQ, minus system)
- (b) English ( 2hours)

Personal interview.



# Basic Course for Junior Officer at Central Institute Of Civil Service





# Two-year Curriculum



## 1<sup>st</sup> Year Master

Fundamental & Applied  
Physiotherapy, Research  
methodology  
(Lectures, Practical, Clinical, Topic  
discussion, Community visit, Seminars,  
Research)

Applied anatomy and physiology  
Exercise physiology & exercise therapy  
Advanced biomechanics and kinesiology  
& Biophysics  
Physiotherapy in musculoskeletal  
disorders  
Pain management & electrotherapy  
Research methodology  
Statistics- basic course

## 2<sup>nd</sup> Year Master

Applied Physiotherapy  
(Practical, Clinical, Topic discussion,  
Community visit, Seminars, Research)

Trauma, Orthopaedic and  
Rheumatological conditions  
Neurological conditions  
Cardiopulmonary disorders  
Obstetric and Gynecological conditions  
Paediatric and Geriatric patients  
Community Based Rehabilitation



# 1<sup>st</sup> Year Master



Research proposal submission to  
Academic board Committee &  
Ethical committee ( March)

1<sup>st</sup> Semester  
1<sup>st</sup> Jan – 10<sup>th</sup> April

Mid-term exam ( June )  
Paper-based (3hours)  
Clinical  
( Long Case = 1 hr 40 min, Short Case = 20min)

Summer Vacation (only 12 days)

End-year exam ( December )  
Paper-based (3hours)  
Clinical  
( Long Case = 1 hr 40 min, Short Case = 20min)  
Oral (30 min)

2<sup>nd</sup> Semester  
23<sup>rd</sup> April – 31<sup>st</sup> December



# 2<sup>nd</sup> Year Master



Mid-term exam ( June )  
Paper-based (3hours)  
Clinical  
( Long Case = 1 hr 40 min, Short Case = 20min)

1<sup>st</sup> Semester  
1<sup>st</sup> Jan – 10<sup>th</sup> April

Summer Vacation (only 12 days)

1. Thesis submission ( October) **100%**

2<sup>nd</sup> Semester  
23<sup>rd</sup> April – 31<sup>st</sup> December

No right to sit on exam if class  
attendance <90%

Final exam ( December ) ( **3attempts only**)  
2. Paper-based (3hours x 2 days) **100%**  
3. Clinical (Long Case = 1 hr 40 min, Short Case = 20min) **100%**  
4. Oral (30 min) **100%**

Supplementary Exam after 6 months  
of final Exam

If 1 of 4 compartments < 60%





# Other Activities



## Convocation



## Robe Donation



## Funfair



## Fresher Welcome





---cont Other Activities



Entertainment





---cont Other Activities



Sports





## 3. AFTER GRADUATION



# Number of Graduated PT



## Bachelor Degree

Year	UMTY	UMTM	MINP
1991-2014	620		
2000-2014		499	
2002-2014			155

• **Total = 1224**

## Master Degree

Year	UMTY	UMTM	MINP
2003-2014	33		
2011-2014		3	
2009-2014			17

• **Total = 53**



# After Graduation



## Places of Work for Graduates

### Government

Ministry of Health

Ministry of Social Welfare & Resettlement

Ministry of Defence

Educational Institutions (UMTY & UMTM)  
Medical Institutions ( National Hospitals)  
Community Public Health centers  
School for special needs children

MINP  
Military hospitals

### Non-government

Private Hospitals & Clinics  
Community Health Centers  
Schools for Special needs children  
Medical Equipment Company



## 4. CONCLUSION



- Although Physiotherapy education had been established since 1960, it was not very much developed till 1990s
- Still not independent, not 1<sup>st</sup> contact professional, under Rehab Physicians
- Nowadays, there are much more support from government and more collaboration with foreign countries
- All PTs are very eager and enthusiastic





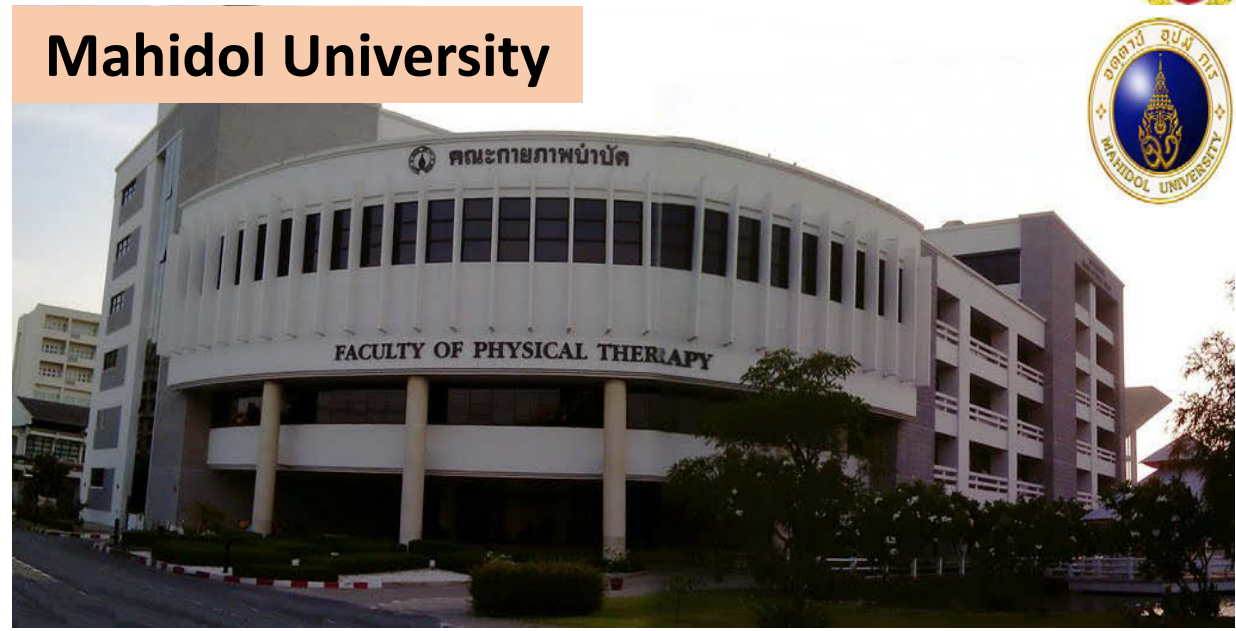
# International Collaboration with other Universities



IUHW



Mahidol University



Khon Kaen University



University of South Australia





ဆေးဘက်ဆိုင်ရာနည်းပညာတက္ကသိုလ်-ရန်ကုန်

UMT, Ygn  
50<sup>th</sup> GOLDEN JUBILEE

THANK YOU VERY MUCH