

Report on Project Cycle Management (PCM) Workshops for the Project for Nursing Education Improvement

1 Outline of the Workshops

PCM workshops for the Project for Nursing Education Improvement were held twice during the Preparatory Study. The first workshop aimed to implement stakeholder analysis, problem analysis and objective analysis was held on the 7th and 8th January 2004 by the organization concerned on the Uzbekistan side and the First Preparatory Study Team. Due to limited period allotted for the workshop, participants of the first workshop could not reach an “Approach Selection”, although they did collect the necessary information for further analysis.

Based on the results of first workshop and discussions in the First Preparatory Study, the Japanese side prepared a draft Project Design Matrix through reshuffling of the problem tree and objective tree.

The working process by the Japanese side and contents of the Draft of the PDM were explained to the Ministry of Health at the beginning of the Second Preparatory Study. Unclear points were clarified through discussions and a field survey.

The Second PCM Workshop, held on 25th March 2004, aimed at explaining the contents of the draft of the PDM which was re-designed based on the discussion with the organization concerned on the Uzbekistan side and the field survey.

Due to the limited period of the workshop and deferent participants in the first and second workshops, an informal procedure was taken during the PCM workshop in the field surveys. Therefore, a mutual understanding was maintained between Uzbekistan side and Japanese side through the series of discussions.

2 First Workshop

2.1 Participation Analysis

In the holding of the PCM workshop and introduction of the Project widely, the Study team selected target groups that were likely to be involved in the Project as “decision makers”, “executors”, “supporting group” and “beneficiaries”. The direct beneficiaries are teachers, to which the project will transfer technical assistance, and the indirect beneficiaries will be the students of medical colleges. However, there are some difficulties with regard to measuring the impact on students during the Project. Thus, this workshop considered concrete means to achieve this.

Decision makers:	MOH, MOHSSE
Executors:	First Republican Medical College, Research Centre for Emergency Care, Institute of Medicine
Supporting group:	JICA, donor agencies, nurse association
Beneficiaries:	Teachers in medical colleges, instructors in teaching hospitals

2.2 Problem Analysis

The first workshop was held on 7th January 2004 with 54 participants (See Table1). In the problem analysis, main problems in nursing education were described in a “problem tree” which showed cause-effect relationships starting from a core problem in the Centre. Hence, “the nursing techniques of graduates are low” was discussed as a core problem, and was allocated to the educational institutes, such as schools (medical colleges and institutes of medicine) and teaching hospitals. Main causes were identified as follows:

- In schools:
- (1) Limited period for education (3 years)
 - (2) Few subjects of “client oriented nursing”
 - (3) Few teachers can teach nursing
 - (4) Low quality of textbooks
 - (5) Insufficient number of textbooks
 - (6) Few practices in contrast with many lectures

- In hospitals:
- (1) Training period is short
 - (2) Practice based on “client oriented nursing” is not introduced
 - (3) Contents of the practice for students are abstract
 - (4) No practice room in hospital.
 - (5) Trainers have little sense of responsibility.
 - (6) No equipment for clinical training

All results of problem analysis were shown from the point of causal relationship by the Japanese side (See Figure 1).

2.3 Objective Analysis

The first workshop was held on 8th January 2004 with 63 participants (See Table 2). The objective analysis describes the means-end relationship between the desirable situation that would be attained once problems have been solved and the solution for attaining it. The result is represented in the form of a tree, much like the objective tree.

The workshop participants performed analysis from a core objective which was the reverse of the core problem. The core objective was determined as “Nursing techniques of graduates are high”. The results of objective analysis were reshuffled from the viewpoint of a causal relationship by the Japanese side (See Figure 2)

According to the input of quantities and the duration of the Project, there is a necessity to select the sphere of Project activities in the objective tree. In the Project, due to the institutional separation of schools and teaching hospitals, two branches were identified as a feasible project approach. The approach is encircled in the objective tree.

3 Second Workshop

The Second Preparatory Study Team prepared a draft of the PDM based on the reshuffled problem tree and objective tree. The draft of the PDM was modified through discussions with MOH.

The second workshop was held on 25th March 2004 with 36 participants (See Table 3). A series of works by the Japanese side after the First Preparatory Study and contents of the draft of the PDM were explained in the beginning of the second workshop, then a question and answer session was held.

As a result of discussions with MOH and holding a second workshop, the draft of the PDM prepared by the Japanese side was modified as follows:

Contents of the Draft of the PDM prepared by the Japanese side	Contents of the PDM ₀ agreed between Japanese side and Uzbekistan side
Project Period June 2004 to March 2009	Project Period July 2004 to June 2009
Target Group Nursing Educators of First Republican Medical College and a model institute	Target Group Nursing Educators of First Republican Medical College
【Overall Goal】 Autonomous nursing service is provided.	【Overall Goal】 Nursing education based on “client-oriented nursing” is implemented in 54 medical colleges around the country.
【Project Purpose】 Nursing education introduces client-oriented nursing.	【Project Purpose】 An educational model based on “client-oriented nursing” is established.
【Outputs】 3. Proposal of qualification system for nurses is prepared.	【Outputs】 3 Standard of nursing education (curriculum, teaching material and quality of teachers) is proposed.
【Activities】 2-2 To establish a nursing department in RCEM as a model of clinical practice at health care facilities. 2-3 To prepare a nursing standard.	【Activities】 2-1 To establish a clinical practice department in RCEM.

Regarding expansion of the project period, the Team concluded to spend much more time to establish a mutual understanding for project design and necessity of “Client-oriented nursing” between the Uzbekistan side and Japanese side in the initial stage of the Project. Therefore, the project period was expanded from four years and nine months to five years, and the school calendar was adjusted. Regarding the target group, it was planned to select one institute of medicine for introducing nursing education based on “Client-oriented nursing” as well as to select medical colleges. However, the Team confirmed that each institute developed its own curriculum to distinguish their facility from others. Due to the conclusion that the introduction of the same curriculum at six institutes of medicine was not practical, the institute of medicine was excluded from the target group. However, some educators from the institute of medicine will be assigned as members of the curriculum committee and/or members of working groups under the Project.

“Project purpose” and “overall goal” were modified to be more concrete.

Regarding output 3, the target of the output addressed nursing education, because the previous phrase covered not only nursing education but also the medical structure in Uzbekistan. Activities for output 3 were also modified in line with modification of output 3.

Regarding activities 2-2, the Team confirmed that the nursing department was already established in RCEM. In addition, it was pointed out that there was no direct relation between the establishment of the nursing department and improvement of clinical practice. Therefore, the Uzbekistan side and the Team agreed to delete the phrase and add the new phrase “establish a clinical practice department in RCEM”.

Activities 2-3 were also deleted due to a lack of a direct relation, although there was a request for preparing a nursing standard.

The finalized PDM (PDM₀) is shown in Table 4.

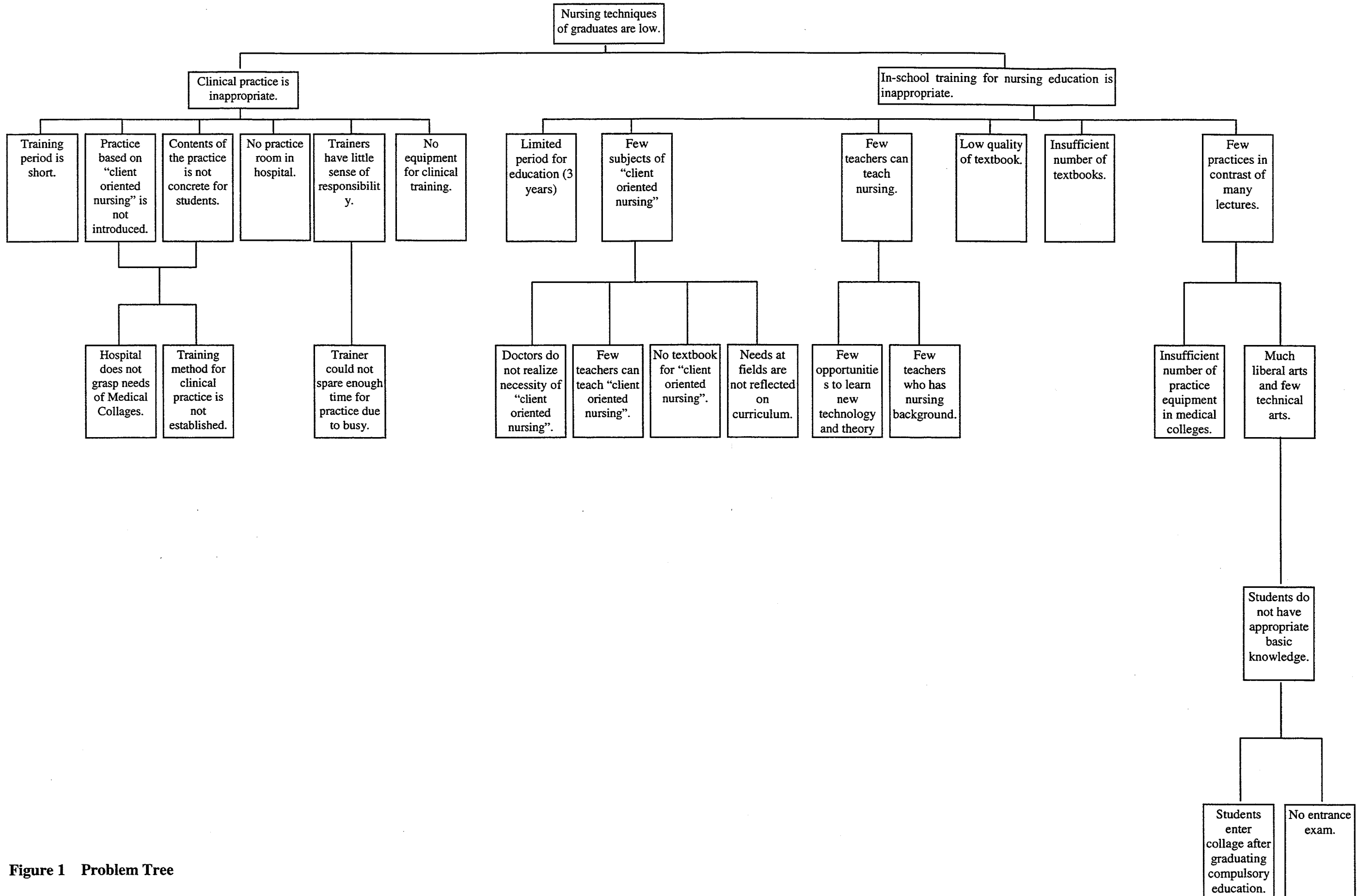


Figure 1 Problem Tree

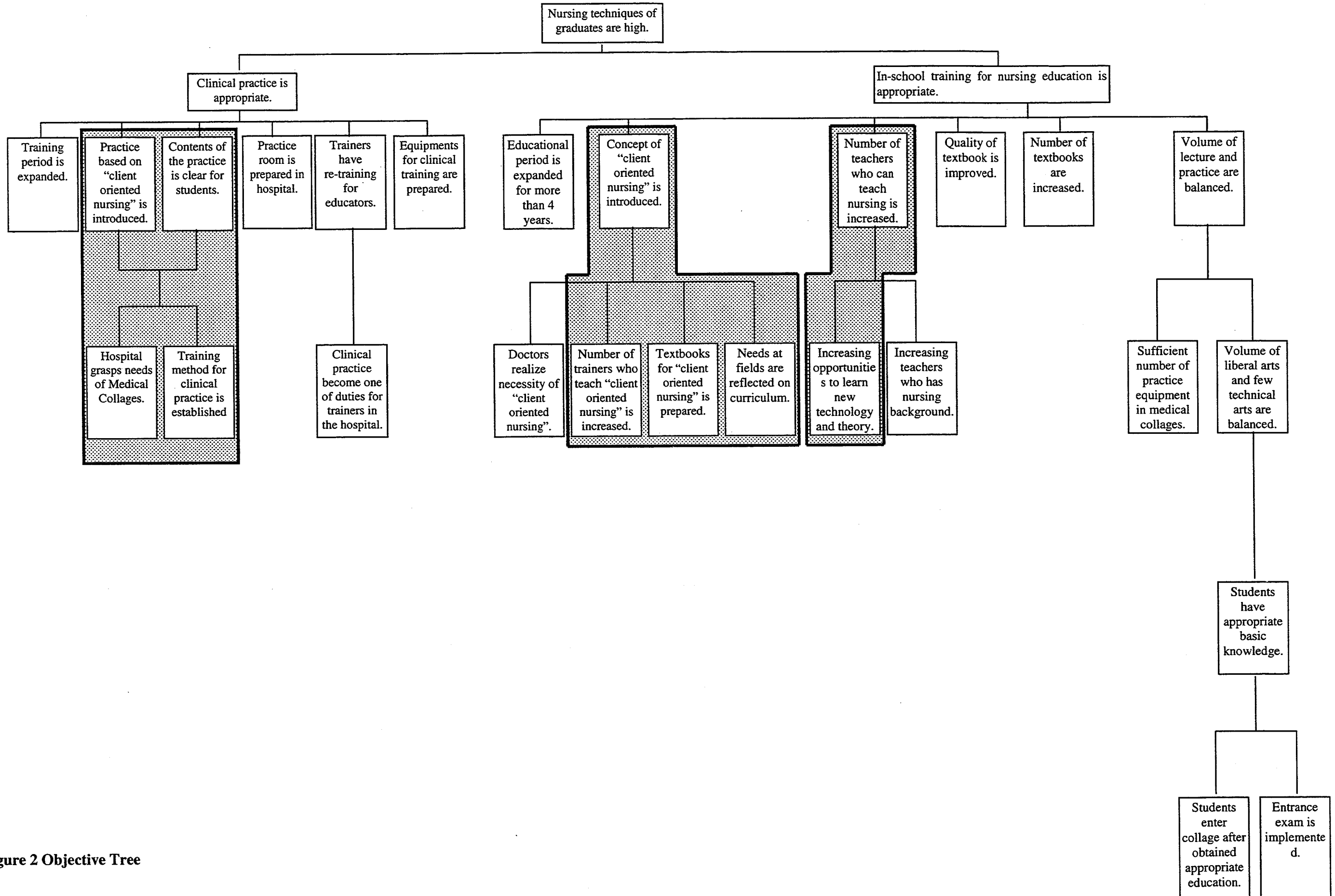


Figure 2 Objective Tree

Table 1 Participants of PCM workshop on January 7, 2004

1.	Ms. Mukharam Muradova	Main Nurse of Navoi Oblast, the Chair of Navoi Nursing Association
2.	Ms. Farida Zuhurova	Main Nurse of Tashkent Emergency Care Centre
3.	Ms. Mukhsimova M. U.	Main Nurse of Tashkent Pediatric Medical Institute
4.	Ms. Mamura SAFAEVA	Main Nurse of Bukhara Oblast
5.	Ms. Nargiza NUROVA	Main Midwife of Karakol district, Bukhara Oblast
6.	Ms. Marguba NODIROVA	Main Nurse of Gulistan City, Sirdarya Oblast
7.	Ms. Lobar Khakimova	Chief Nurse of 1 General Unit of First Hospital of Second Tashkent State Medical Institute (TashMI)
8.	Ms. Malika Burkhanova	Deputy of Dean of Nursing Faculty of Tashkent Pediatric Medical Institute
9.	Ms. Ibodat SOATOVA	Executive Editor of "Health Care of Uzbekistan" (newspaper)
10.	Ms. Zukhra NODIROVA	First Hospital of Tashkent State Medical Institute
11.	Ms. KHOSHIMOVA G. A.	Chief Nurse of 2 nd Hospital of Second TashMI
12.	Ms. Iia PRIMBETOVA	Main teacher of Republican Medical College of MOH
13.	Ms. TURANOVA	Medical College "Tursunkhodjaeva"
14.	Ms. BAIROVA S. B.	Medical College "Tursunkhodjaeva"
15.	Ms. TASHMUKHAMEDOVA	The Scientific Research Institute of Obstetrics and Gynecology
16.	Ms. MUKHAMEDGARAEVA	The Nursing Association, manager
17.	Ms. MAGDIEVA	Ahunbabaev Medical College, teacher
18.	Ms. KARIMOVA G. Sh.	Teacher of Medical College of the Health Administration of Tashkent
19.	Ms. ISMAILOVA U.D.	Republican College of Retraining of Nurses
20.	Ms. Nazarova P. A.	Republican College of Retraining of Nurses
21.	Ms. Rikhsi SALIKHODJAEVA	Main Nurse of MOH
22.	Ms. NAZAROVA SH.	Main Nurse of Tashkent Oblast
23.	Ms. TADJIBAEVA	Teacher of Nursing, Tashkent Retraining Institute of Doctors
24.	Ms. Gulora MATNIYAZOVA	Bagat district of Khorezm Oblast, Chief Nurse
25.	Ms. Makhshuda SAFAROVA	Main Nurse of Navoi Oblast
26.	Ms. Bobokulova Zebo	Main Nurse of Navoi Oblast
27.	Ms. Shinargul ISMAILOVA	Main Nurse of Karakalpakstan Oblast
28.	Ms. Turdigul ARIPOVA	Chief Nurse Cardiology Clinic Nukus, Karakalpakstan
29.	Ms. Gulchekhra EGAMBERDIEVA	Chief nurse of oncology dispensary of Sirdarya Oblast
30.	Ms. Khulkar IMAMOVA	Main Nurse of Djizzak Oblast
31.	Ms. Dilfusa KHUSANOVA	Chief Nurse of Cardiology Dispensary of Djizzak Oblast
32.	Ms. Muborak ORIPOVA	Main Nurse of Fergana Oblast
33.	Ms. Surayo TURSUNOVA	Chief Nurse of Family Polyclinic # 22, Tashkent City
34.	Ms. Flora NABIYEVA	Chief Nurse of Necrology Dispensary, Tashkent City
35.	Ms. Dono NIZAMOVA	Chief Nurse of United Hospital # 3 of Namangan Oblast
36.	Ms. Nasiba SHARIPOVA	Chief Nurse of Children's Hospital, Namangan Oblast
37.	Ms. Gulnora SABIROVA	Chief Nurse of Central District Hospital of Yangi Yaris, Khorezm Oblast
38.	Ms. Oysuluv AKHMEDOVA	Chief Nurse of Central Hospital, Bukhara
39.	Ms. Leneya YAKUBOVA	Samarkand Oblast Children's Hospital Deputy Chief Doctor of Nursing
40.	Ms. Olga YAKUBOVA	Maternity Hospital # 4, Deputy Chief Doctor of Nursing
41.	Ms. Shinobu Iwamoto	JOCV
42.	Ms. Sachiko Matsumoto	JOCV
43.	Ms. Sachiyo Hayashi	JOCV

44.	Ms. Takae Koike	JOCV
45.	Ms. Yoko Kawamura	JOCV
46.	Ms. Chiharu Takei	JOCV
47.	Ms. Rano Sabitova	JICA Uzbekistan Office
48.	Ms. Maki Muroi	JICA 1 st Medical Cooperation Division
49.	Ms. Tomoko Kusama	Leader of the Preparatory Study Team
50.	Ms. Soon Ja Kim	Member of the Preparatory Study Team
51.	Ms. Kikuko Urata	Member of the Preparatory Study Team
52.	Ms. Reiko Sakurai	Member of the Preparatory Study Team
53.	Mr. Jun Katori	Member of the Preparatory Study Team
54.	Ms. Keiko Muramatsu	Member of the Preparatory Study Team

Table 2 Participants of PCM workshop on January 8, 2004

1.	Ms. Mukharam Muradova	Main Nurse of Navoi Oblast
2.	Ms. Farida ZUHUROVA	Main Nurse of Tashkent Emergency Care Centre
3.	Ms. MUKHSIMOVA M. U.	Main Nurse of Tashkent Paediatric Medical Institute
4.	Ms. Mamura SAFAEVA	Main Nurse of Bukhara Oblast
5.	Ms. Nargiza NUROVA	Main Midwife of Karakol district
6.	Ms. Marguba NODIROVA	Main Nurse of Gulistan city
7.	Ms. Lobar KHAKIMOVA	Chief Nurse of 1st General Unit of First Hospital of Second Tashkent State Medical Institute (TashMI)
8.	Ms. Malika BURKHANOVA	Deputy of Dean of Nursing Faculty of Tashkent Paediatric Medical Institute
9.	Ms. Ibodat SOATOVA	Executive Editor of "Health Care of Uzbekistan" (newspaper)
10.	Ms. Zukhra NODIROVA	First Hospital of Tashkent State Medical Institute
11.	Ms. KHOSHIMOVA G. A.	Chief Nurse of 2nd Hospital of Second TashMI
12.	Ms. Iliya PRIMBETOVA	Main Teacher of Republican Medical College of MOH
13.	Ms. TURANOVA	Medical College "Tursunkhodjaeva"
14.	Ms. BAIROVA S. B.	Medical College "Tursunkhodjaeva"
15.	Ms. TASHMUKHAMEDOVA	The Scientific Research Institute of Obstetrics and Gynaecology
16.	Ms. MUKHAMEDGARAEVA	The Nursing Association
17.	Ms. MAGDIEVA	Ahunbabaev Medical College
18.	Ms. KARIMOVA G. Sh.	Teacher of Medical College of the Health administration of Tashkent
19.	Ms. ISMAILOVA U.D.	Republican College of Retraining of Nurses
20.	Ms. NAZAROVA P. A.	Republican College of Retraining of Nurses
21.	Ms. Rikhsi SALIKHODJAEVA	Main Nurse of MOH
22.	Ms. NAZAROVA SH.	Main Nurse of Tashkent Oblast
23.	Ms. TADJIBAEVA	Teacher of Nursing
24.	Ms. Gulora MATNIYAZOVA	Bagat district of Khorezm Oblast
25.	Ms. Makhroda SAFAROVA	Main Nurse of Navoi Oblast
26.	Ms. BOBOKULOVA Zebo	Main Nurse of Navoi Oblast
27.	Ms. Shinargul ISMAILOVA	Main Nurse of Karakalpakstan Oblast
28.	Ms. Turdigul ARIPOVA	Chief Nurse Cardiology Clinic Nukus
29.	Ms. Gulchekhra EGAMBERDIEVA	Chief Nurse of Oncology Dispensary of Sirdarya Oblast
30.	Ms. Khulkar IMAMOVA	Main Nurse of Djizzak Oblast
31.	Ms. Dilfusa KHUSANOVA	Chief Nurse of Cardiology Dispensary of Djizzak Oblast
32.	Ms. Muborak ORIPOVA	Main Nurse of Fergana Oblast
33.	Ms. Surayo TURSUNOVA	Chief Nurse of Family Polyclinic # 22
34.	Ms. Flora NABIYEVA	Chief Nurse of Necrology dispensary

35.	Ms. Dono NIZAMOVA	Chief Nurse of United Hospital # 3 of Namangan Oblast
36.	Ms. Nasiba SHARIPOVA	Chief Nurse of Children's Hospital
37.	Ms. Gulnora SABIROVA	Chief Nurse of Central District Hospital of Yangi Yaris
38.	Ms. Oysuluv AKHMEDOVA	Chief Nurse of Central Hospital
39.	Ms. Leneya YAKUBOVA	Samarkand Oblast Children's Hospital Deputy Chief Doctor of Nursing
40.	Ms. Olga YAKUBOVA	Maternity Hospital # 4
41.	Ms. Shakhnoza Azizova	Chief Nurse of Children's Unit of Kibray District Central Hospital
42.	Ms. Lobar Isaeva	Chief Nurse of Therapy Unit of Kibray District Central Hospital
43.	Ms. Nasima Saidova	Main Nurse of Children's Hospital #2 Andijan Oblast
44.	Mr. Zafar Pardaev	Chief Feldsher
45.	Ms. Sajida Umarova	Main Nurse
46.	Mr. Adkhamjon Madatov	Main Feldsher of Rishtan Central District Hospital
47.	Mr. Nematjon Numanov	Main Feldsher of Shakhrihon Central District Hospital
48.	Ms. Kholida Safarova	Chief Nurse
49.	Ms. Saliya TULYAGANOVA	Main Nurse of Angar Central District Hospital of Surhandarya Oblast
50.	Ms. Shinobu Iwamoto	JOCV
51.	Ms. Sachiko Matsumoto	JOCV
52.	Ms. Sachiyo Hayashi	JOCV
53.	Ms. Takae Koike	JOCV
54.	Ms. Yoko Kawamura	JOCV
55.	Ms. Chiharu Takei	JOCV
56.	Ms. Rano Sabitova	JICA Uzbekistan Office
57.	Ms. Maki Muroi	JICA 1 st Medical Cooperation Division
58.	Ms. Tomoko Kusama	Leader of the Preparatory Study Team
59.	Ms. Soon Ja Kim	Member of the Preparatory Study Team
60.	Ms. Kikuko Urata	Member of the Preparatory Study Team
61.	Ms. Reiko Sakurai	Member of the Preparatory Study Team
62.	Mr. Jun Katori	Member of the Preparatory Study Team
63.	Ms. Keiko Muramatsu	Member of the Preparatory Study Team

Table 3 Participants of PCM workshop on March 25,2004

1.	Ms. Farida ZUHUROVA	Main Nurse of Tashkent Emergency Care Centre
2.	Ms. MUKHSIMOVA M. U.	Main Nurse of Tashkent Pediatric Medical Institute
3.	Ms. Lobar KHAKIMOVA	Chief Nurse of 1st General Unit of First Hospital of Second Tashkent State Medical Institute (TashMI)
4.	Ms. Elvira SHOMANSUROVA,	Dean of Nursing Faculty of Tashkent Pediatric Medical Institute
5.	Ms. Ibodat SOATOVA	Executive Editor of "Health Care of Uzbekistan" (newspaper)
6.	Ms. Gulnora Usmanova	Chief Nurse First Hospital of Tashkent State Medical Institute
7.	Ms. KHOSHIMOVA G. A.	Chief nurse Second Hospital of Second TashMI
8.	Ms. Iliya PRIMBETOVA	Main Teacher of Republican Medical College of MOH
9.	Ms. TURANOVA	Medical College "Tursunkhodjaeva"
10.	Ms. MUKHAMEDGARAEVA	Manager of the Nursing Association
11.	Ms. MANSUROVA	Teacher of Ahunbabaev Medical College
12.	Ms. KARIMOVA G. Sh.	Teacher of Medical College of the Health Administration of Tashkent
13.	Ms. Rikhsi SALIKHODJAEVA	Main Nurse of MOH
14.	Ms. NAZAROVA SH.	Main Nurse of Tashkent Oblast
15.	Ms. Salima Nazarova	MOH

16.	Dr. Akilov Farkhad	MOH
17.	Ms. Matlyuba Alimova	MOH
18.	Ms. Galina Goleva	Specialist MHSSE
19.	Ms. Nodira Rakhimova	Dean of Nursing Faculty of TASHI 1
20.	Ms. Noiba ISHANOVA	Tursunkhodjaeva College
21.	Ms. Mukhabbat NAZAROVA	College of TASHI
22.	Ms. Yankovskay	College Borovskova
23.	Ms. Ikaevaspasa	College Borovskova
24.	Ms. Khabiba Imamova	First Republican College
25.	Ms. Shinobu Iwamoto	JOCV
26.	Ms. Sachiko Matsumoto	JOCV
27.	Ms. Kazuko Takemura	Former JOCV
28.	Ms. Takako Koike	JOCV
29.	Ms. Yoko Kawamura	JOCV
30.	Ms. Chiharu Takei	JOCV
31.	Ms. Rano Sabitova	JICA
32.	Ms. Maki Muroi	Member of the Preparatory Study Team
33.	Ms. Tomoko Kusama	Leader of the Preparatory Study Team
34.	Ms. Reiko Sakurai	Member of the Preparatory Study Team
35.	Ms. Junko Kobayashi	Member of the Preparatory Study Team
36.	Mr. Shigeru Kobayashi	Member of the Preparatory Study Team

Table 4 Draft of Project Design Matrix (PDM)

Title: Nursing Education Improvement Project

Duration: July 2004 – June 2009

Target Area: Tashkent

Target Group: Nursing Educators of the First Republican Medical College and those in charge of clinical practice Prepared on March 2004

Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Important Assumption
<p>[Overall Goal] Nursing education based on "client-oriented nursing" is introduced in 54 medical colleges around the country.</p>	<ul style="list-style-type: none"> The educational model is introduced to 54 medical colleges. 		<ul style="list-style-type: none">
<p>[Project Purpose] An educational model based on "client-oriented nursing" is established.</p>	<ul style="list-style-type: none"> Nursing education based on "client-oriented nursing" is innovated in the First Republican Medical College (FRMC). 	<ul style="list-style-type: none"> Result of comprehension test of client-oriented nursing. 	<ul style="list-style-type: none"> MOH spreads the educational model to 54 medical colleges.
<p>[Outputs] 1 Concept of "client-oriented nursing" is introduced into in-school education at FRMC. 1-1 Draft curriculum¹ for the FRMC is prepared based on "Client-oriented nursing". 1-2 Teaching materials are prepared based on "Client-oriented nursing".</p>	<p>1 Client-oriented nursing education is implemented as in-school education at the FRMC by June 2009. 1-1 Draft curriculums for nursing education in FRMC are prepared by July 2008. 1-2-1 Teaching materials on Fundamental nursing, Maternal nursing and child nursing, Adult nursing and gerontology nursing, Community health and Nursing management are prepared as references by July 2008. 1-2-2 Drafts of laboratory manuals using equipment for nursing education are prepared. 1-3 Educators of the FRMC and model institute pass a comprehension test of client-oriented nursing by June 2009.</p>	<p>1 Results of trial session. 1-1 Draft curriculums for nursing education. 1-2-1 References on Fundamental nursing, Maternal nursing and child nursing, Adult nursing and gerontology nursing, Community health and Nursing management. 1-2-2 Drafts of laboratory manuals. 1-3 Result of comprehension test of client-oriented nursing.</p>	<ul style="list-style-type: none">
<p>1-3 Teaching method of "client-oriented nursing" is understood by the nursing educators². 2 Client-oriented nursing practices are introduced in a model hospital.</p>	<p>2 Client-oriented nursing practices are implemented at the Research Centre for Emergency Medicine (RC EM).</p>	<p>2-1 Guideline on the TECC. 2-2 Opinion of Patients. 2-3 Method of clinical practice of teaching staff for nurse education (Draft)</p>	
<p>3 Standard of nursing education (curriculum, teaching material and quality of teachers) is proposed.</p>	<p>3 Proposals regarding standard of nursing education are submitted to Ministry of Health by June 2009.</p>	<p>3-1 Unified education standard. 3-2 Proposal for implementing unified graduation examination.</p>	

Note: *1 curriculum is composed of time table and Syllabus.

*2 "Nursing educators" covers educators in 54 medical colleges and 6 institutes of medicine to promote "Statement Program of Reforming the Health Care System of Republic of Uzbekistan" which is under implementation by the Ministry of Health.

<p>【Activities】</p> <p>0 To establish Project Implementation Office: Nursing Education Centre (NEC) in the FRMC.</p> <p>1-1-1 To establish Curriculum Committee consisting of MOH, Ministry of High and Secondary Specialized Education, educators from institute of medicine and medical college.</p> <p>1-1-2 To collect information about curriculums for middle level education.</p> <p>1-1-3 To prepare the idea of curriculums for middle level education based on "Client-oriented nursing".</p> <p>1-2-1 To establish working groups consisting of educators from institute of medicine and medical college for preparing teaching materials.</p> <p>1-2-2 To collect information about textbooks for medical colleges and institutes of medicine.</p> <p>1-2-3 To confirm the needs of health care facilities and patients for improved nursing care.</p> <p>1-2-4 To prepare teaching materials (Fundamental nursing, Maternal nursing and child nursing, Adult nursing and gerontology nursing, Community nursing and Nursing management)</p> <p>1-2-4 To monitor utilization condition of equipment for nursing education procured by Japanese Grant Aid Project.</p> <p>1-2-5 To prepare drafts of laboratory manuals for the equipment.</p> <p>1-3-1 To confirm technical level and needs of nursing educators.</p> <p>1-3-2 To hold seminar on concept of "Client oriented nursing".</p> <p>1-3-3 To draw up the program for introducing client oriented nursing education³ using the prepared curriculum and teaching materials.</p> <p>1-3-4 To train educators in FRMC for implementing the introduction program for client oriented nursing education.</p> <p>1-3-5 To implement trial sessions for introducing client oriented nursing education.</p> <p>1-3-6 To monitor and evaluate the trial sessions.</p> <p>1-3-7 To train nursing educators from 54 medical colleges and 6 institutes of medicine in introducing client oriented nursing education..</p> <p>2-1 To establish a clinical practice department in RCEM.</p> <p>2-2 To collect information about clinical practice in RCEM.</p> <p>2-3 To confirm problems and needs of clinical practice instructors.</p> <p>2-4 To prepare a manual of clinical practice for introducing client oriented nursing.</p> <p>2-5 To prepare teaching materials for re-training of clinical practice instructors in medical and health-care facilities.</p> <p>2-6 To train the clinical practice instructors from 60 medical and health-care facilities (5 facilities/state X 12 states).</p> <p>2-7 To monitor the clinical practices in RCEM.</p> <p>2-8 To confirm the opinions of patients about the efficiency of client oriented nursing practice through a questionnaire survey.</p> <p>3-1 To collect information for preparing the unified education standard (curriculum, teaching materials, quality of educators).</p> <p>3-2 To prepare the unified education standard.</p> <p>3-3 To collect information for implementing the unified graduation examination.</p> <p>3-4 To prepare a proposal for implementing the unified graduation examination.</p>	<p>【Input】</p> <p>Japanese side</p> <p>【personnel】</p> <ul style="list-style-type: none"> - Long-term Experts - Chief Adviser - Nurse Education Coordinator <p>Short-term Experts</p> <ul style="list-style-type: none"> - Fundamental nursing - Maternal nursing and child nursing, - Adult nursing and gerontology nursing - Community nursing - Nursing management - Training Coordinator - Statistics <p>【Facilities and equipment】</p> <ul style="list-style-type: none"> - Necessary machinery, equipment and other materials for the implementation of the Project. <p>【Training in Japan】</p>	<p>Uzbekistan side</p> <p>【personnel】</p> <ul style="list-style-type: none"> - Nursing Education - Fundamental nursing - Maternal nursing and child nursing, - Adult nursing and gerontology nursing - Community nursing - Nursing management <p>【Facilities and equipment】</p> <ul style="list-style-type: none"> - FRMC <p>【Budget】</p> <ul style="list-style-type: none"> - Necessary costs for project operation.
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		<p style="text-align: center;">【Pre-conditions】</p> <p style="text-align: center;">•</p>
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Note: *3 "Program for client oriented nursing education" comprises of improved curriculum, teaching materials, and nursing education method based on "client-oriented nursing".

Table 1 Curriculum of the Institute of Advanced Medical Education
MINISTRY OF HEALTH OF THE REPUBLIC OF UZBEKISTAN
Sample CURRICULUM

By specialisation of educational institutions for training of paramedical and pharmaceutical staff

Tashkent 2003

“APPROVE”

Professor F.A. Akilov (Seal) (Signature)
Head, Main Directorate of Human Resources,
Research and Education Institutions
Health Ministry of the Republic of Uzbekistan
2003

1. Introduction

The sample curriculum of educational institutions for training of paramedical and pharmaceutical staff was designed based on Order #363 of the 5th of July, 2002 of the Ministry of Health.

Paramedical staff possessing a special paramedical or pharmaceutical education, and who are residents of the Republic, will be accepted to the educational institution under the determined regulation.

Students for this stage of specialisation or training are to be selected and sent by the administrations of territorial health and pharmaceutical organisations based on nominations allotted by the vocational educational institutions.

It is expedient for paramedical staff to undergo training every five years in order to be aware on a regular basis of the innovations and achievements in medicine and be able to implement these in every-day practice.

Paramedical staff should be sent to training or specialisation based on nominations and for the specialisation determined in the nominations.

Classes offered in groups of not more than 15 students in theoretical sessions and in small groups of 5-8 students in laboratory activities and practical sessions on a full-time or part-time basis. Upon completing the training students pass theoretical and practical examinations and are given certificates of completion or specialisation in the form determined by the educational institution.

Students are provided free accommodations during the period of training. Travel expenses for the training are paid by the student's main employer.

Students who break any of the domestic rules of the educational institution are subject to measures up to withdrawal from the course. The administration of the educational institution provides written recommendations to administrations of medical organisations as an incentive for students who complete the training with excellent grades.

As a result of cutting hours in the curriculum, the following classes are offered in groups organized in vocational educational institutes for training of paramedical and pharmaceutical staff

№	Titles of topics	Total hours	Including	
			Theoretical	Practical
1.	Enlightenment and Spirituality. Religious Extremism. Study of the President's works	6	6	-
2.	AIDS infection	6	6	-
3.	Ethics and Deontology. State Program of Healthy Generation.	2	2	-
4.	Providing intensive and ambulance medical care	12	8	4

According to Order # 701 of November 30, 1999 of the Ministry of Health of Uzbekistan training of paramedical and pharmaceutical staff is planned to be offered in not less than six hours of theoretical and practical sessions.

Sample Curriculum for vocational institutions of paramedical and pharmaceutical staff

No	Codes	Specialisation Titles	Type of Education	Study Duration (months)	By Specialisation			Ethics and Deontology	AIDS	Spirituality and Education, President's Works	Emergency first medical aid	Examinations	Total
					Theory	Practical	Total						
1	0001	Nurse of therapy wards	Training	1	27	85	112	2	6	6	12	6	144
2	0002	Nurse of cardiology wards and rooms	Training	1	41	71	112	2	6	6	12	6	144
3	0003	Nurse of gastroenterology wards	Training	1	45	67	112	2	6	6	12	6	144
4	0004	Nurse of endoscopy rooms	Training	0.5	20	20	40	2	6	6	12	6	72
5	0005	Nurse of endocrinology wards and rooms	Training	1	41	71	112	2	6	6	12	6	144
6	0006	Nurse of allergy wards and rooms	Training	1	32	80	112	2	6	6	12	6	144
9	0009	Nurse of narcology wards and rooms	Training	1	29	83	112	2	6	6	12	6	144
10	0010	Nurse of infectious diseases wards and rooms	Training	1	57	55	112	2	6	6	12	6	144
11	0011	Nurse of dermatovenerological wards and rooms	Training	1	53	59	112	2	6	6	12	6	144
12	0012	Nurse of chronic hemodialysis and nephrology wards and rooms	Training	1	31	81	112	2	6	6	12	6	144
13	0013	Nurse of treatment room	Training	1	53	59	112	2	6	6	12	6	144
14	0014	Area nurse of polyclinics	Training	1	53	59	112	2	6	6	12	6	144
15	0015	Nurse of family clinics	Training Specialisation	1 1.5	53 66	59 120	112 188	2	6	6	12	6	144
16	0016	Nurse of hematological wards	Training	1	53	59	112	2	6	6	12	6	144
17	0017	Nurse of blood transfusion stations	Training	1	31	81	112	2	6	6	12	6	144
18	0018	Nurse of surgery wards and rooms	Training	1	41	71	112	2	6	6	12	6	144
19	0019	Nurse of operation wards and rooms	Training Specialisation	1 1.5	44 71	68 113	112 184	2	6	6	12	6	144
20	0020	Nurse of traumatology and orthopaedy wards and rooms	Training	1	15	97	112	2	6	6	12	6	144
21	0021	Reserve operation wards nurse	Training	1.5	39	145	184	2	6	6	12	6	144
22	0022	Nurse of neurosurgery wards	Training	1	41	71	112	2	6	6	12	6	144
23	0023	Nurse of urology wards and rooms	Training	1	42	70	112	2	6	6	12	6	144
24	0024	Nurse of otorinolaringology wards and rooms	Training	1	29	83	112	2	6	6	12	6	144
25	0025	Nurse of oncology wards and rooms	Training	1	31	81	112	2	6	6	12	6	144
26	0026	Nurse combustiology wards	Training	1	39	73	112	2	6	6	12	6	144
27	0027	Nurse of ophthalmology wards and rooms	Training	1	31	81	112	2	6	6	12	6	144
28	0028	Nurse of anaesthesiology and reanimation wards	Training	1.5	88	96	184	2	6	6	12	6	216

No	Codes	Specialisation Titles	Type of Education	Study Duration (months)	By Specialisation			Ethics and Deontology	AIDS	Spirituality and Education, President's Works	Emergency first medical aid	Examinations	Total
					Theory	Practical	Total						
		Specialisation	Specialisation	1.5	84	100	184	2	6	6	12	6	216
29	0029	Nurse of emergency first aid centre surgery wards	Training Specialisation	1	20	94	124	2	6	6	-	6	144
				1	24	100	124	2	6	6	-	6	144
30	0030	Nurse of emergency first aid centre therapy wards	Training Specialisation	1	30	94	124	2	6	6	-	6	144
				1	10	114	124	2	6	6	-	6	144
31	0031	Nurse of emergency first aid centre paediatrics wards	Training Specialisation	1	30	94	124	2	6	6	-	6	144
				1	24	100	124	2	6	6	-	6	144
32	0032	Nurse of emergency first aid centre anaesthesiology and reanimation wards	Training Specialisation	1.5	88	96	196	2	6	6	-	6	216
				1.5	(96)	(10)	196	2	6	6	-	6	216
					84	0							
					(92)	100							
					(10)	4							
33	0033	Doctor's Assistant (Nurse) of first aid stations	Training	1	61	63	124	2	6	6	-	6	144
34	0034	Nurse of gynaecology wards and rooms	Training	1	53	59	112	2	6	6	12	6	144
35	0035	Obstetrician (Nurse) of maternity hospitals and women consultations	Training	1	53	59	112	2	6	6	12	6	144
36	0036	Obstetrician of medical examination rooms	Training	1	36	76	112	2	6	6	12	6	144
37	0037	Nurse of stomatology wards and rooms	Training	1	28	84	112	2	6	6	12	6	144
38	0038	Dentist technician	Training	1	28	84	112	2	6	6	12	6	144
39	0039	Assistant dentists, dentists	Training	1	22	90	112	2	6	6	12	6	144
40	0040	Nurse of functional diagnostic wards and rooms	Training Specialisation	1.5	76	108	184	2	6	6	12	6	216
				1.5	68	108	184	2	6	6	12	6	216
41	0041	TPI X-Ray laboratory assistant	Training Specialisation	1	27	85	112	2	6	6	12	6	144
				1.5	51	133	184	2	6	6	12	6	144
42	0042	Nurse of radioactive isotopes diagnostic laboratory	Training Specialisation	1	41	71	112	2	6	6	12	6	144

No	Codes	Specialisation Titles	Type of Education	Study Duration (months)	By Specialisation			Ethics and Deontology	AIDS	Spirituality and Education, President's Works	Emergency first medical aid	Examinations	Total
					Theory	Practical	Total						
43	0043	Nurse of physiotherapy wards and rooms	Training Specialisation	1.5 1.5	76 80	108 104	184 184	2 2	6 6	6 6	12 12	6 6	216 216
44	0044	TPI Treatment physical training instructors (nurses)	Training Specialisation	1	37	75	112	2	6	6	12	6	144
45	0045	Massage nurse	Training Specialisation	1 1.5	53 93	59 91	112 184	2 2	6 6	6 6	12 12	6 6	144 216
46	0046	T.B. Prophylactic centre nurse	Training	1	53	59	112	2	6	6	12	6	144
47	0047	T.B. Hospitals and Sanatoria Nurse	Training	1	29	83	112	2	6	6	12	6	144
48	0048	Paramedic of Health Centres of Enterprises	Training	1	53	59	112	2	6	6	12	6	144
49	0049	Work security instructing nurse of sterilisation and autoclaves	Training Specialisation	1 1	29 40	83 70	112 112	2 2	6 6	6 6	12 12	6 6	144 144
50	0050	Nurse of medical registration	Specialists preparation	1	48	64	112	2	6	6	12	6	144
51	0051	TPI dietetics nurse	Training	1	41	71	112	2	6	6	12	6	144
52	0052	Nurse of diary foods kitchen	Training	1	41	71	112	2	6	6	12	6	144
53	0053	TPI Cook	Training Specialisation	1 1	42 32	70 80	112 112	2 2	6 6	6 6	12 12	6 6	144 144
54	0054	Medical statistics nurse	Training	1	46	66	112	2	6	6	12	6	144
55	0055	Children TPI dietetics nurse	Training	1	37	75	112	2	6	6	12	6	144
56	0056	Nurse and doctor's assistant of adolescent services	Training	1	53	59	112	2	6	6	12	6	144
57	0057	Nurse of new-born children ward	Training	1	41	71	112	2	6	6	12	6	144
58	0058	Nurse of breastfed children ward	Training	1	31	81	112	2	6	6	12	6	144
59	0059	Nurse of children TPI treatment rooms	Training	1	50	62	112	2	6	6	12	6	144
60	0060	Polyclinic children area nurse	Training	1	56	56	112	2	6	6	12	6	144
61	0061	Vaccination nurse of family clinics	Training	1	44	68	112	2	6	6	12	6	144
62	0062	Children anaesthesiology and reanimation wards nurse	Training Specialisation	1.5 1.5	91 71	93 113	184 184	2 2	6 6	6 6	12 12	6 6	216 216

No	Codes	Specialisation Titles	Type of Education	Study Duration (months)	By Specialisation			Ethics and Deontology	AIDS	Spirituality and Education, President's Works	Emergency first medical aid	Examinations	Total
					Theory	Practical	Total						
63	0063	Child reanimation and intensive treatment wards Nurse	Training	1	46	66	112	2	6	6	12	6	144
64	0064	Nurse of children surgery wards and rooms	Training	1	31	81	112	2	6	6	12	6	144
65	0065	Nurse of children ear, nose and throat diseases wards and rooms	Training	1	31	81	112	2	6	6	12	6	144
66	0066	Nurse of children endocrinology wards and rooms	Training	1	40	72	112	2	6	6	12	6	144
67	0067	Nurse of children allergy wards and rooms	Training	1	27	85	112	2	6	6	12	6	144
68	0068	Nurse of children urology wards	Training	1	29	83	112	2	6	6	12	6	144
69	0069	Nurse of children hospital wards	Training	1	33	79	112	2	6	6	12	6	144
70	0070	Nurse of functional diagnostic wards of children hospitals and policlinics	Training	1.5	90	94	184	2	6	6	12	6	216
71	0071	Nurse of healthy children rooms	Specialisation	1.5	72	112	184	2	6	6	12	6	216
72	0072	Massage and physical training nurse (instructor) of children TPI	Training	1	41	71	112	2	6	6	12	6	144
73	0073	Nurse of pre-school institutions and orphanages	Training	1	37	75	112	2	6	6	12	6	144
74	0074	Nurse of formative schools	Specialisation	1.5	63	121	184	2	6	6	12	6	216
75	0075	Nurse of special boarding schools	Training	1	25	87	112	2	6	6	12	6	144
76	0076	Nurses of health points of special secondary schools (colleges)	Training	1	75	37	112	2	6	6	12	6	144
77	0077	Nurses of kindergartens, schools and boarding schools for mentally retarded and physically disabled children	Training	1	75	37	112	2	6	6	12	6	144
78	0078	Laboratory assistants of blood preparations and components preparation wards	Training	1	49	63	112	2	6	6	12	6	144
79	0079	Laboratory assistant preparing standard blood serum	Training	1	15	97	112	2	6	6	12	6	144
80	0080	Laboratory assistants of clinical tests laboratory (Doctor's assistant laboratory assistants)	Training	1	32	80	112	2	6	6	12	6	144
81	0081	Laboratory assistants of biochemical tests Laboratory (Doctor's assistant laboratory assistants)	Specialisation	1.5	63	121	184	2	6	6	12	6	216
82	0082	Laboratory assistants of biochemical tests Laboratory (Doctor's assistant laboratory assistants)	Training	1	27	85	112	2	6	6	12	6	144
		Laboratory assistant (Doctor's assistant laboratory assistants) of forensic laboratories	Specialisation	1.5	63	121	184	2	6	6	12	6	216

No	Codes	Specialisation Titles	Type of Education	Study Duration (months)	By Specialisation			Ethics and Deontology	AIDS	Spirituality and Education, President's Works	Emergency first medical aid	Examinations	Total
					Theory	Practical	Total						
83	0083	Prosecutor laboratory assistant of pathologic anatomy	Training Specialisation	1 1.5	29 50	83 134	112 184	2 2	6 6	6 6	12 12	6 6	144 216
84	0084	Laboratory assistant of medical genetics	Training	1	27	85	112	2	6	6	12	6	144
85	0085	Nurse of work disability defining ward	Training	1	43	69	112	2	6	6	12	6	144
86	0086	Drug store pharmacist	Training	1	83	29	112	2	6	6	12	6	144
87	0087	Pharmacy storehouse pharmacist	Training	1	59	53	112	2	6	6	12	6	144
88	0088	Pharmacist of drug stores	Training	1	95	17	112	2	6	6	12	6	144
89	0089	Pharmacist of retail-sale drug stores	Training	1	95	17	112	2	6	6	12	6	144
90	0090	Head of drug stores and kiosks	Training	1	53	59	112	2	6	6	12	6	144
91	0091	Assistant sanitation doctor of SSCEC	Training	1	47	65	112	2	6	6	12	6	144
92	0092	Laboratory assistant of SSCEC sanitation and hygiene laboratories	Training	1	41	71	112	2	6	6	12	6	144
93	0093	Laboratory assistant (doctor's assistant laboratory assistant) SSCEC parasitology laboratories	Training	1	45	67	112	2	6	6	12	6	144
94	0094	Laboratory assistant (doctor's assistant laboratory assistant) of bacteriology laboratories	Training	1	41	71	112	2	6	6	12	6	144
95	0095	Laboratory assistant of SSCEC toxicology laboratories	Training	1	41	71	112	2	6	6	12	6	144
96	0096	Laboratory assistant for determination of quality of disinfection and sterilisation	Training	1	29	83	112	2	6	6	12	6	144
97	0097	Disinfectant	Specialists Preparation	1	57	55	112	2	6	6	12	6	144
98	0098	Disinfection instructor	Specialists Preparation	1	57	55	112	2	6	6	12	6	144
99	0099	Medical assistant of epidemiology departments of SSCEC	Training	1	37	75	112	2	6	6	12	6	144
100	0100	Assistant doctor of SSCEC parasitology departments	Training	1	38	74	112	2	6	6	12	6	144
101	0101	Plague control institution laboratory assistants	Training	1	25	87	112	2	6	6	12	6	144
102	0102	AIDS centres nurse	Training Specialisation	1 1.5	46 54	72 64	118 118	2	6	6	12	6	144
103	0103	Nurse of sanitary education activities	Training	1	53	59	112	2	6	6	12	6	144
104	0104	Doctor's assistant (nurse) of rural doctor's points	Training Specialisation	2 2	101 124	155 131	256 256	2 2	6 6	6 6	12 12	6 6	288 288

No	Codes	Specialisation Titles	Type of Education	Study Duration (months)	By Specialisation			AIDS	Spirituality and Education, President's Works	Emergency first medical aid	Examinations	Total
					Theory	Practical	Total					
105	0105	Medical attendance nurse of rural doctor's points	Training Specialisation	1	53	59	112	6	6	12	6	144
106	0106	Obstetrician of rural doctor's points	Training Specialisation	1	86	98	112	6	6	12	6	144
				2	77	179	256	6	6	12	6	288
				2	125	131	256	6	6	12	6	288
107	0107	Sanitary doctor's assistant of rural doctor's points	Training Specialisation	2	101	155	256	6	6	12	6	288
				2	125	131	256	6	6	12	6	288

This plan was reviewed and approved during the methodical board session on February 14, 2003 in the Republican Vocational Training Institute (Minutes № 16)

Director (signature) A.D. Sokhibov

Notes:

TPI – Treatment and Prevention Institution – *Translator's comment*

SSCEC – State Sanitary Control and Epidemiology Centres – *Translator's comment*

Table 2 Standard curriculum of medical college (1/12)

Nursing Course 1st grade the 1st term

Academic year: 2003-2004 III Semester

Stage II

Group 58 H (Nurses)

Begin: 2.09.03

End: 30.12.2003

Number of weeks 17

Week days	Class No.	Time of the class	Course Title	Class Room	Duration
Mon.	I	14:05-15:25	Society and the Individual	20	1-17
	II	15:30-16:50	History	20	1-17
	III	17:00-18:20	Nursing	20	1-9
			Aesthetics		9-17
	IV	18:25-19:50	Mathematics (A)	20	1-4
			Healthy Ways of Living	20	5-8
			Hygiene (A)	20	8-17
Tue.	I	14:05-15:25	Mathematics	20	1-17
	II	15:30-16:50	Foreign Language	20	1-17
	III	17:00-18:20	Microbiology and microbiologic analysis techniques	20	1-11
			Microbiology and microbiologic analysis techniques (A)	20	12-17
	IV	18:25 -19:50	Hygiene	20	1-10
Basics of pharmacology and prescription making (A)			20	11-15	
Wed.	I	14:05 15:25	Basics of general and medical psychology	20	1-17
	II	15:30 -16:50	Public health care and medical statistics	20	1-17
	III	17:00 -18:20	Management of nursing	20	1-17
	IV	18:25-19:50	Pre-recruitment military training	20	1-17
Thu.	I	14:05 -15:25		20	
	II	15:30 -16:50	Record keeping in state language and rhetoric	20	1-17
	III IV	17:00 -18:20	Nursing (A)	Base	1-17
			Nursing (B)	Base	1-17
Nursing (C)			Base	1-17	
Fri.	I	14:05 -15:25			
	II	15:30 -16:50	Physics	20	1-12
			Physics (A)	20	13-17
III	17:00 -18:20	Mathematics	20	1-5	
	I	14:05 -15:25	Physical training	court	1-17
	II	15:30 -16:50	Astronomy	20	1-7
			Information Technologies	20	8-15
	III	17:00 -18:20	Mathematics	20	1-17
IV	18:25 -19:50	Basics of pharmacology and prescription making	20	1-17	

DHonEM_____ K.U. Zokirova

EDH_____ S.A Artikova

Table 2 Standard curriculum of medical college (2/12)

Nursing Course 1st grade the 2nd term

Academic year: 2003-2004 III Semester Stage II Group 58 H (Nurses)

Begins: 13.01.04

Ends: 7.06.2004

Number of weeks 21

Week days	class	Time of the class	Course Title	Class room	Duration
Mon.	I	14:05- 15:25	Pre-recruitment military training	19	1-21
	II	15:30- 16:50	Family psychology	19	1-21
	III	17:00 - 18:20	Surgery	19	1-21
	IV	18:25 -19:50	Foreign language	19	1-11
			Basics of pharmacology and prescription making (A)	19	13-21
Tue.	I	14:05 -16:50	Nursing in therapy (A)	Base	1-21
			Nursing in therapy (B)	Base	1-21
			Nursing in therapy (C)	Base	1-21
	III IV	17:00 - 19:50	Nursing (A)	Base	1-21
			Nursing (B)	Base	1-21
			Nursing (C)	Base	1-21
Wed.	I	14:05 -15:25	Mathematics	19	1-7
			New medical technologies	19	8-14
	II	15:30 - 16:50	Astronomy	19	1-9
			Healthy life style (A)	19	10-15
			New medical technologies (A)	19	16-19
			Astronomy (A)	19	20-21
	III	17:00 - 18:20	Pre-recruitment military training	19	1-11
			Aesthetics	19	11-21
	IV	18:25-19:50	Healthy lifestyle	19	1-15
			Mathematics (A)	19	16-19
Thu.	I	14:05-15:25	Nursing in pediatrics	19	1-11
			Nursing	19	1-21
	II	15:30-16:50	Nursing in therapy	19	1-21
III	17:00 - 18:20	Physical training	court	1-21	
Fri.	I	14:05 - 15:25	Basics of pharmacology and prescription making	19	1-21
	II	15:30 - 16:50	History	19	1-21
	III	17:00 - 18:20	Physical training	court	1-21
Sat.	I II	14:05 - 16:50	Nursing in pediatrics (A)	Base	1-11
			Nursing in pediatrics (B)	Base	1-11
			Nursing in pediatrics (C)	Base	11-21
	III IV	17:00- 19:50	Surgery (A)	Base	1-21
			Surgery (B)	Base	1-21
			Surgery (C)	Base	1-21

DHonEM _____ K.U Zokirova

EDH _____ Sh.A.Artikova

Table 2 Standard curriculum of medical college (3/12)

Nursing Course 2nd grade the 1st term

Academic year: 2003-2004 Semester I Stage I Group 79 H (Nurses)

Begins: 2.09.03

Ends: 30.12.2003

Number of weeks 17

Week days	№ of class	Time of class	Course Title	Class room	Duration
Mon.	I	08:00-09:20	Russian	19	1-17
	II	09:25-10:45	Biology	19	1-14
			Biology (A)	19	15-17
	III	11:15-12:35	Mathematics	19	15
			Information Science	13	7-15
	IV	12:40 – 14:00	Latin and medical terminology	19	1-9
Introduction to major			19	9-17	
Tue.	I	08:00-09:20	Uzbek Language and Literature	19	1-17
	II	09:25-10:45	Class hour	19	1-17
	III	11:15-12:35	Mathematics	19	1-17
	IV	12:40 – 14:00	Anatomy	19	1-9
Wed.	I	08:00-09:20	Economics	19	1-17
	II	09:25-10:45	Uzbek Language and Literature	19	1-9
			Russian	19	9-17
III	11:15-12:35	History	19	1-17	
Thu.	I	08:00-09:20	Constitution of Uzbekistan	19	1-17
			Chemistry	19	1-14
	II	09:25-10:45	Chemistry (A)	19	15-17
	III	11:15-12:35	Anatomy	19	1-17
Fri.	I	08:00-09:20	Physical Training	court	1-17
	II	09:25-10:45	Physics	19	1-12
			Physics (A)	19	13-17
	III	11:15-12:35	Economic Geography	19	1-9
IV	12:40 – 14:00	Anatomy		1-17	
Sat.	I	08:00-09:20	Foreign language	19	1-17
	II	09:25-10:45	Mathematics	19	1-17
	III	11:15-12:35	Information Science	13	1-17

DHonEM _____ K.U. Zokirova

EDH _____ S.A. Artikova

Table 2 Standard curriculum of medical college (4/12)

Nursing Course 2nd grade the 2nd term

Academic year: 2003-2004 Semester II Stage I Group 79 H (Nurses)

Begins: 13.01.04

Ends: 21.06.2004

Number of weeks 23

Week days	class	Time of class	Course Title	Class room	Duration
Mon.	I	08:00-09:20	History	11	1-23
	II	09:25-10:45	Foreign language	11	1-23
	III	11:15-12:35	Latin and medical terminology	11	1-20
			Biology (A)	11	21-22
IV	12:40 -14:00	Physical training	court	1-23	
Tue.	I	08:00-09:20	Basics of State and Law	11	1-23
	II	09:25-10:45	Basics of Anatomy, Physiology and Pathology	11	1-23
	III	11:15-12:35	Russian	11	1-23
Wed.	I	08:00-09:20	Record keeping in state language and rhetoric art	11	1-23
	II	09:25-10:45	Biology	11	1-20
			Chemistry (A)	11	21-23
	III	11:15-12:35	Uzbek Language and Literature	11	1-23
IV	12:40 -14:00	Physics	11	1-12	
		History of oriental medicine	11	13-23	
Thu.	I	08:00-09:20	Information science		1-23
	II	09:25-10:45	Physics	11	1-23
	III	11:15-12:35	Chemistry	11	1-20
	IV	12:40 -14:00	Physical Training	court	1-23
Fri.	I	08:00-09:20	Uzbek Language and Literature	11	1-12
			Russian	11	1-23
	II	09:25-10:45	Economic Geography	11	1-12
			Foreign language	11	12-23
	III	11:15-12:35	Basics of spirituality	11	1-15
			Physics	11	16-23
IV	12:40-14:00	Educational hour	11	1-23	
Sat.	I	08:00-09:20	Mathematics	11	1-13
			Mathematics (A)	11	14-23
	II	09:25-10:45	Information science		
			Basics of Anatomy, Physiology and Pathology	11	1-17
	III	11:15-12:35	Special course	11	12-23

DHonEM _____ K.U. Zokirova

EDH _____ S.A. Artikova

Table 2 Standard curriculum of medical college (5/12)

Nursing Course 3rd grade the 1st term

Academic year: 2003-2004 Semester V Stage III Group 43 H (Nurses)

Begins: 2.09.03

Ends: 30.12.2003

Number of weeks 17

Week days	class	Time of class	Course Title	Class room	Duration	
Mon.	I	08:00-09:20	Pre-recruitment training	8	1-13	
	II	09:25-10:45	Basics of communication	8	1-13	
	III	11:15-12:35	Nursing in pediatrics	8	1-13	
	IV	12:40-14:00	Physical education	court	1-13	
Tue.	I II	08:00-10:45	Nursing in pediatrics (A)	Base	1-13	
			Medicine of Emergency situations (B)	Base	1-13	
			Nursing in pediatrics (C)	Base	1-13	
	III IV	11:15-14:00	Medicine of emergency situations (A)	Base	1-13	
			Nursing in pediatrics (C)	Base	1-13	
			Surgery (C)	Base	1-9	
			Therapy (C)	Base	11-13	
Wed.	I II	08:00-10:45	Ophthalmology (A)	Base	6-13	
			Surgery (B)	Base	11-13	
			Medicine of emergency situations(C)	Base	1-13	
	III IV	11:15-14:00	Surgery (A)	Base	1-09	
			Otolaryngology (B)	Base	1-7	
			Ophthalmology (C)	Base	8-13	
Thu.	I	08:00-09:20	Obstetrics	8	1-6	
			Ophthalmology	8	7-13	
	II	09:25-10:45	Therapy	8	1-6	
			Surgery	8	7-13	
	III	11:15-12:35	Otolaryngology	8	1-6	
	IV	12:40-14:00	Medicine of emergency situations	8	1-11	
	Fri.	I II	08:00-10:45	Otolaryngology (A)	Base	1-7
				Obstetrics (A)	Base	8-13
Obstetrics (B)				Base	1-10	
Ophthalmology (B)				Base	11-13	
Otolaryngology (C)				Base	7-13	
IV		12:40-14:00	Medicine of emergency situations	Base	12-13	
Sat.	I II	08:00-10:45	Pediatrics (A)	Base	1-7	
			Obstetrics (A)	Base	11-13	
			Therapy (B)	Base	1-7	
			Ophthalmology (B)	Base	9-13	
			Obstetrics (C)	Base	1-10	
			Therapy (C)	Base	11-13	
	III IV	11:15-14:00	Therapy (A)	Base	1-10	
			Pediatrics (C); Surgery (B)	Base	1-7/8-13	
			Pediatrics (C); Therapy (C)	Base	1-7/11-13	

Table 2 Standard curriculum of medical college (6/12)

Nursing Course 3rd grade the 2nd term

Academic year: 2003-2004 Semester VI Stage III Group 43 H (Nurses)

Begins: 13.01.04

Ends: 26.04.2004

Number of weeks 15

Week days	class	Time of class	Course Title	Class room	Duration	
Mon.	I	08:00-09:20	Idea of national independence	8	1-1	
	II	09:25-10:45	Basics of spirituality	8	1-15	
	III	11:15-12:35	Infectious diseases	8	1-15	
	IV	12:40-14:00	Surgery	8	1-8	
			Obstetrics and Gynecology	8	8-15	
Tue.	I	08:00-09:20	Pre-recruitment military training	8	1-8	
			Idea of national independence	8	11-15	
	II	09:25-10:45	Pediatrics	8	1-7	
			Therapy	8	8-15	
	III	11:15-12:35	Dermatology	8	1-8	
			Physiotherapy	8	8-15	
	IV	12:40-14:00	Nerves and mental diseases	8	1-8	
			Clinic and biochemistry tests	8	8-15	
	V		Physical training	court	1-15	
	Wed.	I II	08:00-10:45	Nerves and mental diseases (A)	Base	1-12
				Physiotherapy (B)	Base	8-15
Clinic and biochemistry tests(C)				Base	1-8	
Therapy (C)				Base	8-15	
III IV		11:15-14:00	Clinic and biochemistry tests(A)	Base	1-8	
			Nerves and mental diseases (B)	Base	1-12	
		Clinic and biochemistry tests(C)	Base	8-15		
Thu.	I	08:00-09:20	Infectious diseases (A)	Base	1-14	
				Base		
			Nerves and mental diseases (C)	Base	1-12	
	II	09:25-10:45	Pediatrics (A)	Base	1-8	
	III	11:15-12:35	Surgery (B)	Base	1-9	
Pediatrics (C)			Base	8-15		
Fri.	I II	08:00-10:45	Therapy (A)	Base	8-15	
			Infectious diseases (B)	Base	1-13	
			Dermatology (C)	Base	1-8	
			Surgery (A)	Base	13-15	
	III IV	11:15-14:00	Surgery (A)	Base	1-9	
			Dermatology (A), (B)	Base	10-15;1-8	
			Therapy (C)	Base	1-8	
			Surgery (C)	Base	10-15	
Sat.	I II	08:00-10:45	Pediatrics (B)	Base	1-8	
			Physiotherapy (B)	Base	8-15	
			Infectious diseases (C)	Base	1-13	
	III	11:15-14:00	Obstetrics & Gynecology(A)(B)(C)	Base	1-4; 5-8	
			Physiotherapy (A)	Base	8-15	
V		Physical training	court	1-15		

Table 2 Standard curriculum of medical college (7/12)

Nursing Course 1st grade the 1st term

Academic year: 2003-2004 Semester I Stage I Group 87 A

Begins: 2.09.03

Ends: 30.12.2003

Number of weeks 17

Week days	class	Time of class	Course Title	Class room	Duration
Mon.	I	08:00-09:20	Economic Geography	23	10-17
	II	09:25-10:45			
	III	11:15-12:35	Anatomy	23	1-17
	IV	12:40 – 14:00			
Tue.	I	08:00-09:20	Economics	23	1-17
	II	09:25-10:45	Constitution of Uzbekistan	23	1-17
	III	11:15-12:35	Russian	23	1-9
			Informatics (A)	18	10-17
IV	12:40 – 14:00	Mathematics	23	13-17	
Wed.	I	08:00-09:20	Mathematics (A)	23	1-17
	II	09:25-10:45	Biology	23	1-12
			Chemistry (A)	23	13-17
	III	11:15-12:35	Physical training	Sport Court	1-17
IV	12:40 – 14:00	Anatomy	23	1-17	
Thu.	I	08:00-09:20	Mathematics	23	1-17
	II	09:25-10:45	Physics	12	1-12
			Physics (A)	23	13-17
	III	11:15-12:35	Informatics (A)	18	1-17
IV	12:40 – 14:00				
Fri.	I	08:00-09:20	Uzbek Language and Literature	23	1-17
	II	09:25-10:45	Chemistry	23	1-12
	III	11:15-12:35	Anatomy (A)	23	1-9
	IV	12:40 – 14:00			
Sat.	I	08:00-09:20	Uzbek Language and Literature	23	1-9
			Biology	23	13-17
	II	09:25-10:45	History	23	1-17
	III	11:15-12:35	Russian	23	1-17
IV	12:40 – 14:00				

K.U. Zokirova

S.A. Artikova

Table 2 Standard curriculum of medical college (8/12)

Nursing Course 1st grade the 2nd term

Academic year: 2003-2004 Semester II Stage I Group 87 A

Begins: 13.01.04

Ends: 21.06.2004

Number of weeks 23

Week days	class	Time of class	Course Title	Class room	Duration
Mon.	I	08:00-09:20	Russian	2	1-23
	II	09:25-10:45	Mathematics	2	1-13
			Mathematics	2	14-23
	III	11:15-12:35	Uzbek Language and Literature	2	1-23
IV	12:40 – 14:00				
Tue.	I	08:00-09:20	Russian	2	1-12
			Physics (A)	2	13-21
	II	09:25-10:45	Biology	2	1-20
			Biology (A)	2	21-23
	III	11:15-12:35	Basics of Spirituality	2	1-15
			Foreign Language	2	16-23
IV	12:40 – 14:00				
Wed.	I	08:00-09:20	Informatics		1-12
			Anatomy (A)	2	11-23
	II	09:25-10:45	History	2	1-23
	III	11:15-12:35	Foreign Language	11	1-23
IV	12:40 – 14:00	Physical training	Court	1-23	
Thu.	I	08:00-09:20	Physics	2	1-23
	II	09:25-10:45	Basics of Law and State	2	1-23
	III	11:15-12:35	Basics of normal anatomy, physiology and pathology	2	1-23
	IV	12:40 – 14:00	Economic Geography	2	12-23
Fri.	I	08:00-09:20	Chemistry	2	1-20
			Chemistry (A)	2	21-23
	II	09:25-10:45	Physics	2	1-11
			Uzbek Language and Literature	2	12-23
	III	11:15-12:35	Latin and medical terminology	2	1-12
IV	12:40 – 14:00				
Sat.	I	08:00-09:20	Record keeping in state language and rhetoric art	11	1-23
	II	09:25-10:45	Informatics		1-23
	III	11:15-12:35	Introduction to specialization	11	1-9
			Special course		13-22
IV	12:40 – 14:00	Physical training	court	1-23	

K.U. Zokirova

S.A. Artikova

Table 2 Standard curriculum of medical college (9/12)

Nursing Course 2nd grade the 1st term

Academic year: 2003-2004 Semester III Stage II Group 69 A

Begins: 2.09.03

Ends: 30.12.2003

Number of weeks 17

Week days	class	Time of class	Course Title	Class room	Duration
Mon.	I	14:05-15:25	Astronomy; Astronomy (A)	2	1-7 16-17
			Information Technologies	2	7-15
	II	15:30-16:50	Public health care and medical statistics	2	1-17
	III	17:00-18:20	Microbiology and microbiological analysis techniques	2	1-10
			Nursing	2	11-17
IV	18:25-19:55	Basics of general and medical psychology	2	1-17	
Tue.	I	14:05-15:25	Physics; Physics (A)	2	1-13 14-7
	II	15:30-16:50	Record keeping in state language and rhetoric art	2	1-17
	III	17:00-18:20	Mathematics	2	1-10
Wed.	I	14:05-15:25	Nursing (A); (B)	Base	1-5
			Nursing (B)	Base	11-17
	III IV	17:00-19:55	Obstetrics (A)	Base	
			Microbiology and microbiological analysis technique	Base	
			Obstetrics (B)Healthy lifestyle(B)	Base	1-9 10-13
			Obstetrics (A)	Base	
Thu.	I	14:05-15:25	Marketing of obstetrics	2	1-17
	II	15:30-16:50	Hygiene; Basics of pharmacology and prescription making	2	1-10 11-7
			Introduction to specialization	2	1-9
	III	17:00-18:20	Aesthetics	2	9-17
Physical training			court	1-17	
Fri.	I	14:05-15:25	Mathematics (A)	2	1-17
	II	15:30-16:50	Foreign Language	2	1-17
	III	17:00-18:20	The Individual and society	2	1-17
	IV	18:25-19:55	History	2	1-17
Sat.	I	14:05-15:25	Military	2	1-17
	II	15:30-16:50	Basics of pharmacology and prescription making	2	1-17
	III	17:00-18:20	Obstetrics; Hygiene (A)	2	1-9 11-17
			Physical training	2	1-7 11-13

K.U. Zokirova

S.A. Artikova

Table 2 Standard curriculum of medical college (10/12)

Nursing Course 2nd grade the 2nd term

Academic year: 2003-2004 Semester III Stage II Group 69 A

Begins: 13.04.04 Ends: 7.06.2004 Number of weeks 21

Week days	class	Time of class	Course Title	Class room	Duration
Mon.	I II	14:05-16:50	Therapy (A), (B)	Base	1-11;11-21
			Pediatrics (A), (C)	Base	1-21;1-11
			Nursing (B), (C)	Base	1-3; 11-21
	III IV	17:00-19:55	Nursing (A)	Base	1-13
			Pediatrics (B)	Base	1-11
			Infectious diseases (B)	Base	1-21
			Therapy (C)	Base	1-11
		Surgery (C)	Base	12-21	
Tue.	I	14:05-15:25	Obstetrics	2	1-21
	II	15:30-16:50	Aesthetics	2	1-11
			History of oriental medicine	2	11-21
	III	17:00-18:20	New medical technology (A)	2	8-11
Astronomy			2	12-19	
Wed.	I	14:05-15:25	Infectious diseases	2	1-11
			Surgery	2	11-21
	II	15:30-16:50	Pediatrics; Therapy	2	1-11; 11-21
	III	17:00-18:20	Mathematics; Mathematics (A)	2	1-7; 15-18
			Basics of pharmacology and (A)	2	8-14
			Astronomy (A)	2	19-21
	IV	18:25-19:55	Physical training	court	1-21
Thu.	I II	14:05-16:50	Obstetrics (A)	Base	1-21
			Obstetrics (B)	Base	1-21
			Obstetrics (C)	Base	1-21
	II III	17:00-19:55	Surgery (A), (B)	Base	1-10;11-21
			Infectious diseases (A)	Base	11-21
			Nursing (B)	Base	1-10
		Nursing (C)	Base	4-16	
Fri.	I	14:05-15:25	History	2	1-21
	II	15:30-16:50	Pre-recruiting military training	2	1-21
	III	17:00-18:20	Family Psychology	2	1-21
	IV	18:25-19:55	Nursing	2	1-7
Foreign Language			2	8-18	
Sat.	I	14:05-15:25	New Medical technology	2	4010
			Pre-recruiting military training	2	11-21
	II	15:30-16:50	Basics of pharmacology and prescription making	2	1-21
	III	15:30-16:50	Physical training	court	1-21
	V	18:25-19:55			

K.U. Zokirova

S.A. Artikova

Table 2 Standard curriculum of medical college (11/12)

Nursing Course 3rd grade the 1st term

Academic year: 2003-2004 Semester V Stage III Group 53 A

Begins: 02.09.03

Ends: 30.12.2003

Number of weeks 17

Week days	class	Time of class	Course Title	Class room	Duration
Mon.	I II	8:00-10:45	Obstetrics (A)	Base	1-13
			Emergency situations medicine (B)	Base	1-13
			Pediatrics (C)	Base	1-10
	III IV	11:15-12:35	Pediatrics (A)	Base	1-10
			Obstetrics (C)	Base	1-13
			Gynecology (C)	Base	1-10
Tue.	I	8:00-9:20	Gynecology	3	1-13
	II	9:25-10:45	Obstetrics	3	1-13
	III	11:15-12:35	Communications	3	1-13
			Pre-recruiting military training	3	1-13
Wed.	I II	8:00-10:45	Emergency situations medicine (A)	Base	1-13
			Surgery (B)	Base	1-9
			Obstetrics (C)	Base	1-13
	III IV	11:15-14:00	Surgery (A)	Base	1-10
			Pediatrics (B)	Base	1-10
Thu.	I II	8:00-10:45	Gynecology (A)	Base	1-11
			Gynecology (B)	Base	12-13
			Therapy (C)	Base	1-7
			Therapy (C)	Base	7-13
	III	11:15-12:35	Physical training	court	1-13
	IV	12:40-14:00	Basics of healthy lifestyle	3	10-13
Fri.	I II	8:00-10:45	Therapy (A)	Base	1-7
			Gynecology (B)	Base	6-13
			Emergency situations medicine (C)	Base	1-13
	III	11:15-12:35	Surgery (C)	Base	1-9
Sat.	I	14:05-15:25	Surgery	3	1-6
			Therapy	3	1-7
	II	9:25-10:45	Pediatrics	3	8-13
	III	11:15-12:35	Emergency situations medicine (B)	3	1-13
	V	12:40-14:00	Physical training	court	1-17

K.U. Zokirova

S.A. Artikova

Table 2 Standard curriculum of medical college (12/12)

Nursing Course 3rd grade the 2nd term

Academic year: 2003-2004 Semester VI Stage III Group 53 A

Begins: 13.01.04

Ends: 26.04.2004

Number of weeks 15

Week days	class	Time of class	Course Title	Class room	Duration
Mon.	I II	08:00-10:45	Dermatology (A)	Base	1-8
			Clinical and biochemistry analysis(A)	Base	8-15
			Otolaryngology (B), (C)	Base	3-7;8-12
			Dermatology (B)	Base	8-15
	III IV	11:15-12:35	Physiotherapy (B)	Base	1-8
			Physiotherapy (C)	Base	8-15
Tue.	I II	08:00-10:45	Obstetrics (A)	Base	1-15
			Gynecology (A), (B)	Base	1-8;8-15
			Oral cavity diseases (B)	Base	11-15
			Ophthalmology (C)	Base	3-7
	III IV	11:15-12:35	Physiotherapy (A) Gynecology(A)	Base	1-8;9-15
			Ophthalmology (B)	Base	1-5
			Technology of contraception (B)	Base	6-9
			Oral cavity diseases (B), (C)	Base	13-15;10-15
			Basics of reanimation (B)	Base	1-8
Wed.	I	08:00-09:20	Physical training	court	1-15
	II	09:25-10:45	Gynecology/Obstetrics	3	1-8; 8-15
	III	11:15-12:35	Idea of National Independence	3	1-15
	IV	12:40-14:00	Ophthalmology	3	3-7
			Basics of reanimation	3	8-15
			Basics of spirituality	3	1-15
Thu.	I II	08:00-10:45	Basics of reanimation (A), (B)	Base	1-8; 8-15
			Oral cavity diseases (A)	Base	10-15
			Clinical and biochemistry anal. (B)(C)	Base	1-7; 8-15
			Technology of contraception (C)	Base	2-5
	III IV	11:15-14:00	Ophthalmology (A)	Base	1-5
			Otolaryngology (A)	Base	10-14
			Obstetrics (B); Dermatology (C)	Base	1-15;8-15
	V	12:40-14:00	Physical training	court	1-15
Fri.	I	08:00-09:20	Physiotherapy	3	8-15
	II	09:25-10:45	Pre-recruitment military training	3	1-7
			Clinical and biochemistry analysis	3	8-15
	III	11:15-12:35	Oral cavity diseases	3	1-8
			Otolaryngology	3	11-15
	IV	12:40-14:00	Technology of contraception	3	1-8
			Dermatological and venereal diseases		9-15
	V		Nerves and mental diseases	3	1-7
			Idea of national independence	3	8-12
	Sat.	I II	08:00-10:45	Nerves and mental diseases	Base
Technology of contraception				Base	9-12
Obstetrics				Base	1-15
Nerves and mental diseases				Base	1-8

Table 3 Curriculum of nursing in uchlische in 1996

"APPROVED"
 by the Ministry of Higher and Secondary Special Education
 (seat) (signature) /ALLAEV K. B/
 FOR INSTITUTION OF VOCATIONAL TRAINING
 /dlati/ CIRRUUCULUM
 Profession "NURSING"
 Code 0406-01

Specialization "Nursing"
 Duration 2 years 10 mo.
 In the scope of 10th and 11th forms

July 19, 1996
 582

I. Sample schedule of teaching process

	September			October			November			December			January			February			March			April			May			June			July			August																										
	1	8	15	22	29	6	13	20	28	3	10	17	24	1	8	15	22	29	5	12	19	26	3	2	9	16	23	30	6	13	20	27	4	11	18	25	1	8	15	22	29	5	12	19	26	3	10	17	24	31	6	13	20	27	3	10	17	24	31	
I	7	14	21	28	6	12	19	27	X																																																			
II																																																												
III																																																												
IV																																																												

II. Total of time budget

A	Total for year			Practice			K	J
	B	C	D	E	F	G		
I	38			2	2		10	52
III	37			3	2		10	52
IV	21			2	8		3	44
	96			7	12		3	22
							8	148

Columns for Table II

- A - Years
- B - Weeks
- C - Hours
- D - Examination sessions (weeks)
- E - Learning (without theory)

- F - Pre-diploma
- G - Technology
- H - Form of study results
- K - Vacation (weeks)
- J - Weeks in academic year (total)

PRACTICE

Legend

Learning (with theory)

Learning (without theory) 8

Technology and pre-diploma X

Examination session ::

Form of ending learning III

Vacation =

III. CURRICULUM

№	COURSE TITLE	In a semester		Number of hours						Breakdown by years and semesters											
		Exam	Course project	Control work	Total	In class	Laboratory and practical activities	Course project	I year		II year		III year		IV year		V year				
									1 st sem weeks	2 nd sem weeks	3 rd sem 17 weeks	4 th sem 21 weeks	5 th sem 15 weeks	6 th sem 22 weeks	7 th sem 7 weeks	8 th sem 14 weeks		9 th semester weeks			
I. SOCIAL and POLITICAL SUBJECTS																					
1	Basics of philosophical knowledge	4			60	60					60/0										
2	Economics	8			70	70					50/0						70/0				
3	Political science				50	50															
4	Basics of state and law				30	30											30/0				
II. GENERAL EDUCATION COURSES																					
5	Uzbek /Russian/				70	70					0/40										
6	Foreign language	6			100	100					0/20		0/30								
7	Medical biophysics and computer basics				30	6	24				6/24										
III. GENERAL MEDICAL COURSES																					
8	Latin and medical terminology			1	50	50					0/50										
9	History of Eastern Medicine				24	24					24/0										
10	Basics of normal anatomy, physiology and pathology	4		1	140	110	30				80/18		30/12								
11	Microbiology and basics of microbiological tests	5		1	171	42	129				10/15		20/54		12/60						
12	Methods of laboratory and functional tests	5		1	150	30	114				16/54		20/60								
13	Medical genetics				31	22	9				22/9										
14	Social hygiene and organisation of health care				41	31	9				32/9										
15	Pharmacology	4		1	90	66	24				26/12		40/12								
16	Basics of clinical pharmacology			1	40	10	30						10/30								
IV SUBJECTS OF SPECIALISATION																					
17	Basics of nursing	6		2	210	30	180				12/39		6/21	12/24	0/96						
18	Nursing in therapy	7		2	279	72	207						12/51	12/51	36/78	12/27					
19	Nursing in surgery and basics of reanimation	7		2	182/28	46/10	136/18						14/33	14/76	18/27	10/18					
20	Nursing in pediatrics	7		2	180	48	132						12/30	20/45	16/39	0/18					
21	Nursing in obstetrics and gynecology			2	181	46	135								30/90	8/30	8/15				
22	Infectious diseases, epidemiology and parasitology	7		2	201	48	153							12/39	28/90	8/24					
23	Dermatology and venerology				43	10	33									10/33					
24	Nerve and psychiatric diseases				51	12	39									10/33					
25	Basics of general and medical psychiatry				30	30					30/0										
26	Physiotherapy and basics of medical rehabilitation				57	12	45								12/45						
27	Ophthalmology				41	14	27									14/27					
28	Otolaryngology				29	8	21									8/21					
29	Diseases of mouth cavity				29	8	21									8/21					
30	Oncology				20	8	12								8/12						
31	Basics of hygiene and sanitation	5		2	150	30	120						10/45	12/60	8/15						
32	Hygiene of children and juveniles			1	50	20	30						10/15	10/15							
33	Hygiene of labour and professional diseases			2	120	30	90								12/42	18/48					
34	Hygiene of nourishment			2	74	60										14/60	16/54				
35	Medical electronic equipment			1	70	16	54														
36	Primary military medical training			1	70	22	48								12/27	10/21					
37	Basics of management organisation				20	8	12						8/12								
38	Basics of record-keeping and medical statistics				20	8	12										8/12				

Sl. No	COURSE TITLE	Breakdown by years and semesters															
		In a semester		Number of hours			II year					IV year		V year			
		Exam	Course project	Control work	Total	In class	Laboratory and practical activities	Course project	1 st sem. weeks	2 nd sem. weeks	3 rd sem. weeks	4 th sem. weeks	5 th sem. weeks	6 th sem. weeks	7 th sem. weeks	8 th sem. weeks	9 th semester weeks
39	Gerontology V. Physical training Grand total				24 150 3456	6 150 1274	18 2182			34/0 334/272	42/0 398/458	30/0 149/400	44/0 216/576	66/186 204/300	8/12		
	Total (printed unclear)					384	384		88	84	60	88	28	56			
	For consultations	300							14	16	9	11	7	12			
									3	3	2	4					

Sl. No	COURSE TITLE	In a semester	Control work	Number of hours	IV	I. LABORATORIES											
						Exam	Course project	In class	Laboratory and practical activities	Course project	1 st sem. weeks	2 nd sem. weeks	3 rd sem. weeks	4 th sem. weeks	5 th sem. weeks	6 th sem. weeks	7 th sem. weeks
I	Study practice I: Assistant in general care and treatment techniques																
a.	Assistant to laboratory assistant				VI	2	1.	Basics of anatomy, physiology and pathology									
b.	In the bacteriology laboratory					1	2.	Pharmacology									
3.	In the sanitation and hygiene laboratory				VII	6	3.	Hygiene									
a.	On subjects of specialization					4	4.	Microbiology									
b.	Therapy with methods of tests in clinical laboratory					4	5.	Methods of laboratory and functional tests									
c.	Surgery					2		II. ROOMS									
c.	Paediatrics					2	1.	Social sciences									
II	Pre-diploma				VIII	8	2.	Language and literature									
a.	Nursing in therapy with methods of clinical laboratory tests					2	3.	Latin									
b.	Nursing in surgery and first aid					2	4.	Nursing									
c.	Nursing in paediatrics					2	5.	Therapy									
d.	Basics of infectious diseases, epidemiology and parasitology					2	6.	Surgery									
						7.	7.	Paediatrics									
						8.	8.	Basics of infectious diseases, epidemiology and parasitology									
						9.	9.	Labour hygiene									
						10.	10.	Nourishment hygiene									
						11.	11.	Obstetrics and gynecology									
						12.	12.	Pre-clinic practice and narrow specialization (ophthalmology, diseases of mouth cavity, village doctor's points, otolaryngology, physiotherapy and medical rehabilitation)									
I.	Economics				VIII	13.	13.	Technical means									
	Finals on specialization					14.	14.	Methodic									
	On practical skills and treatment					15.	15.	Initial military medical training									
	On theory					16.	16.	Physical training									
	Examination period 1.5.06 – 05.07																

This curriculum was designed by Sh. Yunusov, the head of educational department of the Republican Medical College after Akhunbabaev and approved by the Seminar Council of Medical Educational Institutions on January 23-24, 1996. Based on the Resolution of the Ministry of Health of the Republic of Uzbekistan # 464 of September 29, 1995 a working group was established to design the curriculum and programme.

CHAIRMAN: - F. Z. Fuzaylov – Head, Study Directorate

MEMBERS:

Menlikulov	Head of Directorate
Umarova	Director, Akhunbabaev Republican Medical College
H.A. Abdullaeva	Methodist, Republican Education Methodic Agency
T.F. Ovuhova	Specialist, Akhunbabaev Republican Medical College
Anerina	Specialist, Republican Electric Medical Secondary Vocational School
Sh. Y. Yunusov	Specialist, Akhunbabaev Republican Medical College
H.R.Saidakhmedova	Specialist, Borovsky Tashkent Medical College
A.Y. Yuldashev	Specialist, Borovsky Tashkent Medical College

DISCRIPTION OF QUALIFICATION

This specialist is prepared to work in the position of “Nurse specialist” in treatment and prevention, and research institutions, diagnostic and special centres, sanitary epidemiological stations, laboratories, inter-regional cooperation departments /agriculture, public education, transport/, ambulance stations and other places.

Specialist are required to be well-educated, aware of social developments and laws in the world and in their own culture, possess logical thinking and ethics, and be able to achieve the tasks set forth before Uzbekistan.

A “Nurse specialist” should know the following:

National activities plan for nursing work of the European Bureau of the WHO and the Republic of Uzbekistan; significance and tasks of nursing specialists in treatment-prevention institutions; organizations of health care based on economic knowledge and management, and laws and regulations concerning health care; basics of legislation and normative documents; prevention of diseases and popularization of a healthy lifestyle; basics of reanimation measures; rules of asepsis and antisepsis; ways of providing dispensary services to the population; basics of healthy eating, rules of sanitation control, basics of computers and medical biophysics; medicine of catastrophes; working with medical equipment and measures of precaution; medical ethics and basics and the rules of deontology; gerontology and the basics of non-traditional medicine; modern examination and methods of general clinical examination/clinical, biochemical, bacteriological examination; methods and means of sanitation awareness; pharmacological effect of medications; basics of medical genetics; general and social hygiene; organization of health care; modern classification of diseases widely spread in the Republic.

A “Nurse specialist” should be able to:

Organize management and planning in the system of providing treatment-prevention services to the population; understand the basics of professional relationships; know and determine the symptoms of common diseases; organize sanitation control for different types of institutions; know the basics and methods of first aid situations; know all types of bandaging; know methods of post-operational care and removal of stitches; know treatment techniques and transfusiology; prepare for sterilization and know the

techniques of sterilization of bandages and medical instruments; know types of bleeding and ways of stopping them; know the main methods of examining children and adults; prepare patients for special medical examination and prepare medical equipment for treatment-diagnostic procedures; conduct measures of first aid to a high level of proficiency; work with modern reanimation, anesthesiology, electronic laboratory medical and physiotherapy equipment; serve as accoucheur in emergency physiological delivery and provide first and secondary handling to newborn; provide emergency care to newborn with asphyxia, hemolytic disease, birth trauma; provide necessary differentiated care to patients; dispensarisation of population; conduct physiotherapy procedures /electrical, light, water and heat; methods of massage in treatment-prevention institutions; methods of modern general clinical, clinical-biochemical, hematological, cytological laboratory analysis to assess healthy and sick conditions of patients; organize a functional framework in the work place.

EXPLANATION TO CURRICULUM

1. Entrants with a complete general secondary education are admitted to the II course.
2. Based on this plan a schedule of practical sessions. ??
3. Taking into consideration the interrelation, character and complexity of courses in colleges, classes are planned in a way so as not exceed 36 hours per week.
4. Theoretical and practical classes can be switched keeping the number of hours designated for them.
5. The educational institution has the right to make changes in the list of classes, laboratories and optional courses taking into consideration local conditions.
6. Optional hours given in years II, II, IV can be used by the educational institution to study state documents and optional courses.
7. Optional courses: physical training, ethics, aesthetics, religious study, history of the world and local culture, foreign language, morality, and other optional courses are determined by the educational institution based on Directives of the Ministry of High and Secondary Special Education and the Health Ministry.
8. In practical sessions of general professional courses groups are divided into two smaller groups.
9. In practical sessions of professional courses groups are divided into three smaller groups.
10. Hours designated in the curriculum for consultations can be used in the form determined by the educational institution.
11. Control works mentioned in the curriculum are conducted in hours given for the course.
12. After completion of teaching hours given in the curriculum for religious studies and the political science course the examination takes place in hours not determined in the schedule.

HEAD, MAIN DEPARTMENT OF PERSONNEL
AND EDUCATIONAL INSTITUTIONS,
HEALTH MINISTRY

F.Z. FUZAYLOV

DIRECTOR, EDUCATIONAL-METHODICAL AGENCY,
HEALTH MINISTRY

T.S. SAIDOV

HEAD, DEPARTMENT OF SOCIAL SCIENCES,
MINISTRY OF HIGH AND SECONDARY SPECIAL
EDUCATION

D.N.GANIEV

CHAIRMAN, SCIENCE-METHODIC SECTION
OF HEALTH CARE SYSTEM

T.Y. UMAROVA

Table 4 Standard curriculum for the faculty of nursing in the institute of medicine (1/3)

“APPROVE”

academic projector

Prof. _____ Karimjonov I.A.

_____ “_____”, 2003

1.1 ACADEMIC PLAN

2003-2004 academic year I course “Higher education nurse”
(5720600)

№	Course title	FC	Auditorium hours			Semesters					
						I sem 18			II sem 19		
			L	P	S	L	P	S	L	P	S
1	History of Uzbekistan	1 h	19		19	19		19			
2	Legal Studies.(36) Constitution of Uzbekistan	2	19		19				19		19
3	Philosophy (ethics –20, aesthetics – 20, logic –20)	2 h	38		38	19		19	19		19
4	Basics of spirituality (21), religious studies (36)	2 h	19		19				19		19
5	Uzbek (Russian)	2 h		76			36			40	
6	Foreign language			76			38			38	
7	Sociology	1 h	19		19	19		19			
8	Physical education			76			38			38	
9	Selective courses		19	19		19	19				
10	Information science, information technologies	2 h	12	64		6	32		6	32	
11	Biochemistry	2 h	12	45		6	20		6	25	
12	Normal physiology	1 h	12	45		12	45				
13	General pathology	2 h	12	45		4	18		8	27	
14	Human anatomy	1 h	10	28		10	28				
15	Microbiology	2 h	12	45		6	20		6	25	
16	Medical equipment	1 h	8	11		8	11				
17	General hygiene, ecology	1 h	10	18		10	28				
18	Latin	1 h		38			38				
19	Social hygiene and	2 h	12	45		4	20		8	25	
20	Epidemiology	1 h	10	28		10	28				
21	Medical sociology	1 h	8	11		8	11				
22	Legal bases of health care	2 h	10	28					10	28	
23	Theory of nursing	2 h	36	116		18	58		18	58	
24	Medical psychology	1 h	12	26		12	26				
25	Psychology of nursing	2 h	18	18					18	18	
	Total		321	866	114	190	514	57	131	362	57

Vocational Practice – 2 weeks.

Basis: Curriculum of “Higher Education Nurse”
5720600 approved in 2002

Table 4 Standard curriculum for the faculty of nursing in the institute of medicine (2/3)

“APPROVE”

academic projector

Prof. _____ Karimjonov I.A.

_____, “_____”, 2003

1.2 ACADEMIC PLAN

2003-2004 academic year II course “Higher education nurse” (5720600)

№	Course title	FC	Auditorium hours			Semesters					
			L	P	S	III sem 18			IV sem 19		
						L	P	S	L	P	S
1	Cultural studies	4 h	19		19				19		19
2	Foreign language	4		76			38			38	
3	Economics	4 h	49		46	24		22	25		
4	Physical training	3 h		38			38				24
5	Nursing in family medicine	3 h	18	77		8	37		10	40	
6	Nursing in infectious diseases	3 h	12	38		12	38				
7	Nursing in rehabilitation	4 h	12	45				19	12	45	
8	Nursing in endocrinology	4 h	13	38		6	18		6	20	
9	Nursing in stomatology	4 h	18	58		9	20		9	38	
10	Dietology	4 h	8	30					8	30	
11	Nursing in surgery,	3 h	Moved to third course								
12	Nursing in therapy,	4 h	30	116		14	58		16	58	
13	Nursing in neurology	3 h	12	438		12			38		
14	Nursing in gerontology	4 h	18	77		9	37		9	40	
15	Nursing in gyneacology	4 h	18	58		10	28		8	30	
16	Nursing in neonatology	4 h	12	45		6	20		6	25	
17	Marketing	4 h	10	60		8	20		10	40	
18	Management in nursing	3 h	18	36		12	36				
19	Medical and pharmaceutical	3 h	12	36		12	36		8	25	
20	Pedagogy of nursing	4 h	34	34		34	34				
	Total		295	921	65	156	517	22	138	404	43

Vocational Practice – 3 weeks – 4 semesters.

Basis: Curriculum of “Higher Education Nurse” 5720600 approved in 2002

Table 4 Standard curriculum for the faculty of nursing in the institute of medicine (3/3)

“APPROVE”

academic projector

Prof. _____ Karimjonov I.A.

_____, “_____”, 2003

1.3 ACADEMIC PLAN

2003-2004 academic year III course “Higher education nurse” (5720600)

№	Course title	FC	Auditorium hours			Semesters						
						V sem 18			VI sem 19			
			L	P	S	L	P	S	L	P	S	
1	Legal Studies, Constitution of Uzbekistan		19		19	19		19				
2	Philosophy (ethics, aesthetics)			38		38			38		38	
3	Basics of spirituality, religious studies		19		19	19		19	2			
4	Sociology		19		19	19		19				
5	Legal grounds of health care		10	28					10	28		
6	Management in Nursing		Offered in the 2 nd course									
7	Medical and pharmaceutical commodity research		Offered in the 2 nd course									
8	Idea of national independence	6 h	19		19				19		19	
9	First aid	6 h	18	77		9	37		9	40		
10	Nursing in oncology	6 h	12	38		10	20		2	18		
11	Phytotherapy basics and clinic pharmacology	6 h	18	58		9	20		9	38		
12	Nursing in pediatrics	6 h	18	77		10	40		8	37		
13	Nursing in surgery		Offered in the 2 nd course									
14	Nursing in obstetrics		Offered in the 2 nd course									
15	Nursing in psychiatry and narcology	6 h	18	58		10	30		8	28		
16	Basics of scientific research	6 h	10	28					10	28		
17	Selective courses		20	120		20	120					
			Obstetrics, surgery, anesthesiology, management									
18	Management and leadership		Offered in the 2 nd course									
19	Economy of health care		Offered in the 2 nd course									
20	Pedagogical technology	6 h	18	18		9	9		9	9		
21	Microbiology		12	45		12	45					
22	Medical Sociology		8	11		8	11					
23	Pedagogical art	6 h	18	18					18	18		
24	Theory and practice of creating democratic society Political science	6 h	38		38	19		19	19		19	
	Total		312	612	152	168	341	76	144	271	76	

Vocational Practice – 6 weeks – 6 semesters.
Education Nurse” 5720600 approved in 2002

Basis: Curriculum of “Higher

付 属 資 料

1. 第1回事前評価調査団議事録 (Minutes of Meeting)
2. 第2回事前評価調査団議事録 (Minutes of Meeting)
3. 討議議事録 (Record of Discussions 及び Minutes of Meeting)

1. 第1回事前評価調査団議事録 (Minutes of Meeting)

(ロシア語版については掲載を省略する。)

MINUTES OF MEETING
BETWEEN THE PREPARATORY STUDY TEAM
AND
THE AUTHORITIES CONCERNED OF THE GOVERNMENT
OF THE REPUBLIC OF THE UZBEKISTAN
ON JAPANESE TECHNICAL COOPERATION
FOR
THE PROJECT FOR NURSING EDUCATION IMPROVEMENT


The Preparatory Study Team (hereinafter referred to as “the Team”) organized by the Japan International Cooperation Agency (hereinafter referred to as “JICA”) and headed by Prof. Tomoko Kusama, President, Oita University of Nursing and Health Sciences, visited the Republic of the Uzbekistan from 6 January through 21 January 2004 to conduct a Preparatory Study on technical cooperation with regard to the request from the Government of the Uzbekistan on the Project for Nursing Education Improvement (hereinafter referred to as “the Project”).

During its stay in the Uzbekistan, the Team exchanged views and had a series of discussions with the Uzbekistan authorities concerned.


As a result of the discussions, both sides agreed upon the matters in the document attached hereto.

This document has been prepared in the English and Russian languages, each text being equally authentic. In case of any divergence of interpretation, the English text shall prevail.

Tashkent, 12 January 2004



Prof. Tomoko Kusama
Leader
Japanese Preparatory Study Team
Japan International Cooperation Agency
Japan



Prof. Feruz Nazirov
Minister of Health
The Republic of the Uzbekistan

THE ATTACHED DOCUMENT
DRAFT OF RECORD OF DISCUSSION (R/D)

I. COOPERATION BETWEEN JICA AND UZBEKISTAN GOVERNMENT

1. The Government of Uzbekistan will implement the Nursing Education Improvement Project (hereinafter referred to as "the Project") in cooperation with JICA.
2. The Project will be implemented in accordance with the Master Plan which is given in Annex I.

II. MEASURES TO BE TAKEN BY JICA

In accordance with the laws and regulations in force in Japan, JICA will take, as its own expenses, the following measures according to the normal procedures under Technical Cooperation Scheme of Japan.

1. DISPATCH OF JAPANESE EXPERTS

JICA will provide the services of the Japanese experts as listed in Annex II.

2. PROVISION OF MACHINERY AND EQUIPMENT

JICA will provide such machinery, equipment and other materials (hereinafter referred to as "the Equipment") necessary for the implementation of the Project as listed in Annex III. The Equipment will become the property of the Government of Uzbekistan upon being delivered C.I.F. (cost, insurance and freight) to the Uzbekistan authorities concerned at the ports and/or airports of disembarkation.

3. TRAINING OF UZBEKISTAN PERSONNEL IN JAPAN

JICA will receive the Uzbekistan personnel connected with the Project for technical training in Japan.

III. MEASURES TO BE TAKEN BY THE GOVERNMENT OF UZBEKISTAN

1. The Government of Uzbekistan will take necessary measures to ensure that the self-reliant operation of the Project will be sustained during and after the period of Japanese technical cooperation, through full and active involvement in the Project by all related authorities, beneficiary groups and institutions.
2. The Government of Uzbekistan will ensure that the technologies and knowledge acquired by the Uzbekistan nationals as a result of Japanese technical cooperation will contribute to the economic and social development of Uzbekistan.
3. The Government of Uzbekistan will ensure that the Equipment referred to in II-2 above will be utilized effectively for the implementation of the Project in consultation with the Japanese experts referred to in Annex II.
4. The Government of Uzbekistan will take necessary measures to ensure that the knowledge and experience acquired by the Uzbekistan personnel from technical training in Japan will be utilized effectively in the implementation of the Project.
5. In accordance with the laws and regulations in force in Uzbekistan, the Government of Uzbekistan will take necessary measures to provide at its own expense:
 - (1) Services of the Uzbekistan counterpart personnel and administrative personnel as listed in Annex IV;
 - (2) Land, buildings and facilities as listed in Annex V;
 - (3) Supply or replacement of machinery, equipment, instruments, vehicles,

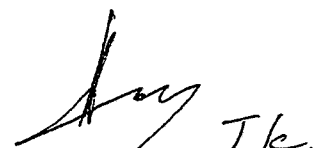
 T.K.

tools, spare parts and any other materials necessary for the implementation of the Project other than the Equipment provided by JICA under II-2 above; and

- (4) Suitably furnished accommodation for the Japanese experts and their families.
6. In accordance with the laws and regulations in force in Uzbekistan, the Government of Uzbekistan will take necessary measures to meet:
- (1) Expenses necessary for transportation within Uzbekistan of the Equipment referred to in II-2 above as well as for the installation, operation and maintenance thereof;
 - (2) Customs duties, internal taxes and any other charges, imposed in Uzbekistan on the Equipment referred to in II-2 above; and
 - (3) Running expenses necessary for the implementation of the Project.

IV. ADMINISTRATION OF THE PROJECT

1. The First Deputy Minister, as the Project director, will bear overall responsibility for administration and implementation of the Project.
2. The responsibility for the managerial and technical matters of the project will be ensured by the Project manager, appointed by the Decree of Ministry of Health.
3. Nursing Education Center in the Republican Medical School of the Ministry of Health will carry out the Project.
4. The Japanese Team Leader will provide necessary recommendations and advice to the Project Director and the Project manager on any matters pertaining to the implementation of the Project.



TK.

5. The Japanese experts will give necessary technical guidance and advice to Uzbekistan counterpart personnel on technical matters pertaining to the implementation of the Project.
6. For the effective and successful implementation of technical cooperation for the Project, a Joint Coordinating Committee will be established whose functions and composition are described in Annex VI.

V. JOINT EVALUATION

Evaluation of the Project will be conducted jointly by JICA and the Uzbekistan authorities concerned, at the middle and during the last six months of the cooperation term in order to examine the level of achievement.

VI. CLAIMS AGAINST JAPANESE EXPERTS

The Government of Uzbekistan undertakes to bear claims, if any arises, if any arises, against the Japanese experts engaged in technical cooperation for the Project resulting from, occurring in the course of, or otherwise connected with the discharge of their official functions in Uzbekistan except for those arising from the willful misconduct or gross negligence of the Japanese experts.

VII. MUTUAL CONSULTATION

There will be mutual consultation between JICA and Uzbekistan Government on any issues arising from, or in connection with this Attached Document.

VIII. MEASURES TO PROMOTE UNDERSTANDING OF AND SUPPORT FOR THE PROJECT

For the purpose of promoting support for the Project among the people of Uzbekistan, the Government of Uzbekistan will take appropriate measures to make the Project widely known to the people of Uzbekistan.



IX. TERM OF COOPERATION

The duration of the technical cooperation for the Project will be four (4) years from the date indicated on the R/D.

- ANNEX I DRAFT OF MASTER PLAN
- ANNEX II LIST OF JAPANESE EXPERTS
- ANNEX III LIST OF MACHINERY AND EQUIPMENT
- ANNEX IV LIST OF UZBEKISTAN COUNTERPART AND
ADMINISTRATIVE PERSONNEL
- ANNEX V LIST OF LAND, BUILDINGS AND FACILITIES
- ANNEX VI JOINT COORDINATING COMMITTEE
- ANNEX VII OUTLINE OF PROJECT DOCUMENT



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DRAFT OF MASTER PLAN

OVERALL GOAL

Autonomous nursing service is provided

PROJECT GOAL

Nursing education is innovated to client-oriented nursing

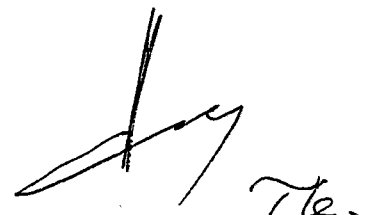
OUTPUT OF THE PROJECT

- (1) To improve the curriculum of nursing education
- (2) To improve the quality of teaching materials
- (3) To improve the teaching methods
- (4) To develop the qualifications of teaching staff
- (5) To improve the conditions of nursing practice in health care facilities

ACTIVITIES OF THE PROJECT

PROJECT SITE

Nursing education center of the Republican Medical School of the Ministry of Health

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LIST OF JAPANESE EXPERTS

1. Team Leader
2. Experts in the following fields:
 - (1) Fundamental nursing
 - (2) Maternal nursing and child nursing
 - (3) Adult nursing and gerontology nursing
 - (4) Community health
 - (5) Nursing management

The request for these experts will be made through the submission of an application (A-1) form by the Ministry of Health.

A handwritten signature in black ink, appearing to be 'TK' with a stylized flourish above it.

LIST OF MACHINERY AND EQUIPMENT

1. Equipment for nursing education in theory and practice
2. Equipment for other related fields mutually agreed upon as necessary

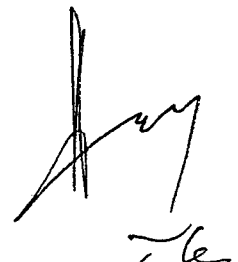
The request for these machinery and equipment will be made through the submission of an application (A-4) form by the Ministry of Health.



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LIST OF UZBEKISTAN COUNTERPART AND ADMINISTRATIVE
PERSONNEL

1. Chief of the Project
2. Technical Coordinator
3. Counterpart personnel in the following fields:
 - (1) Fundamental nursing
 - (2) Maternal nursing and child nursing
 - (3) Adult nursing and gerontology nursing
 - (4) Community health
 - (5) Nursing management
4. Administrative Personnel
 - (1) Secretariat
 - (2) Driver
 - (3) Other supporting staff mutually agreed upon as necessary

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LIST OF LAND, BUILDINGS AND FACILITIES

1. Land
2. Building and facilities
 - (1) Sufficient space for the implementation of the Project
 - (2) Offices and other necessary facilities for the Japanese Experts
 - (3) Services, such as the supply of electricity , gas and water, sewerage system, telephones, and furniture necessary for the Project Activities
 - (4) Transportation for the implementation of the Project
 - (5) Other facilities mutually agreed upon as necessary



T.k.

JOINT COORDINATING COMMITTEE

1. Functions

The Joint Coordinating Committee will meet at least once a year and whenever necessary arises, and work :

- (1) To formulate the annual work plan for the Project under the framework of the R/D.
- (2) To review the overall progress of the technical cooperation program as well as the achievements of the above-mentioned annual work plan.
- (3) To discuss major issues arising from or related to the Project.

2. Composition

(1) Chairman : Ministry of Health

(2) Uzbekistan side :

- a. The head of Human Resources, Science and Educational Institutions Department, the Ministry of Health
- b. The Head Nurse of the Ministry of Health
- c. The Chief of Unit of Educational Institutions, the Ministry of Health
- d. The Leading Specialist of Human Resources, Science and Educational Institutions Department, the Ministry of Health
- e. The Head of External Economic Activities Coordination Department, the Ministry of Health

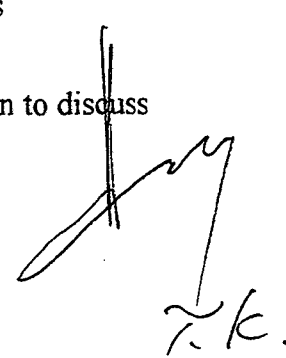
(3) Japanese side :

- a. Team leader
- b. Other experts mutually agreed on
- c. Other personnel dispatched by JICA, as necessary

(4) Observer

- a. Representative of the Embassy of Japan in the Republic of Uzbekistan
- b. Representative of the Uzbekistan Nursing association
- c. Representative of the Technical Committee of Nursing schools

Note : The Joint Coordinating Committee can invite any relevant person to discuss specific issues.



A handwritten signature in black ink, consisting of a large, stylized initial 'M' followed by a series of loops and a final flourish that ends in a period.

OUTLINE OF THE PROJECT DOCUMENT (DRAFT)

Abbreviation

A Map of the Uzbekistan

Organization Charts

1. Introduction

- 1.1 Background on the request for technical cooperation
- 1.2 Objectives of the Project Document (this report)

2. Backgrounds

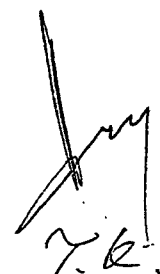
- 2.1 Socio-economic context
 - 2.1.1 Population, ethnicity and culture
 - 2.1.2 Politics
 - 2.1.3 Economy
 - 2.1.4 Relations with neighboring countries
- 2.2 Overview of the health sector
- 2.3 Nursing education
- 2.4 Assistance by donor agencies in nursing education

3. Issues surrounding nursing education

- 3.1 Laws and administrative ordinance
- 3.2 Division of work among health administrative institutes, collages and schools
- 3.3 Human resources and training systems
- 3.4 Condition of nursing schools
- 3.5 Condition health care facilities for nursing education
- 3.6 Function of Nursing Association

4. Strategies of technical cooperation for nursing education

- 4.1 Overall Strategies
- 4.2 Strengthening human resources and health institutional structures for nursing education
- 4.3 Collaboration and coordination with other partners to create greater impact



5. Project design
 - 5.1 Overall goal
 - 5.2 Project objective, Outputs, Activities
 - 5.2.1 Project objective
 - 5.2.2 Outputs
 - 5.3 Inputs
 - 5.4 Important assumptions

6. Project justification
 - 6.1 Public benefits and equity
 - 6.2 Appropriateness of the Project
 - 6.3 Reasons for assistance from JICA
 - 6.4 Effects expected to expand from the Project
 - 6.4.1 Effects on the development policy framework
 - 6.4.2 Effects on the health institutional framework
 - 6.4.3 Effects on society and culture
 - 6.4.4 Effects on technical aspects
 - 6.4.5 Economic benefits
 - 6.5 Overall project justification

Annexes

1. Draft of PDM (PDM-0)
2. Report on PCM workshop

A handwritten signature in black ink, appearing to be 'J. K.', located in the bottom right corner of the page.

2. 第2回事前評価調査団議事録 (Minutes of Meeting)

(ANNEX VIIのDRAFT OF PROJECT DOCUMENTについては、大部にわたり、かつ添付資料のプロジェクト・ドキュメントが最終稿であるため掲載を省略する。また、ロシア語版については掲載を省略する。)

MINUTES OF MEETING
BETWEEN THE SECOND PREPARATORY STUDY TEAM
AND
THE AUTHORITIES CONCERNED OF THE GOVERNMENT
OF THE REPUBLIC OF THE UZBEKISTAN
ON JAPANESE TECHNICAL COOPERATION
FOR
THE PROJECT FOR NURSING EDUCATION IMPROVEMENT

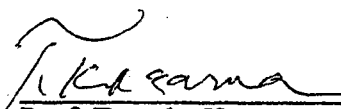
The Second Preparatory Study Team (hereinafter referred to as “the Team”) organized by the Japan International Cooperation Agency (hereinafter referred to as “JICA”) headed by Prof. Tomoko Kusama, President, Oita University of Nursing and Health Sciences, visited the Republic of the Uzbekistan from 17 March through 31 March 2004 to conduct a Second Preparatory Study on technical cooperation with regard to the request from the Government of the Uzbekistan on the Project for Nursing Education Improvement (hereinafter referred to as “the Project”).

During its stay in the Uzbekistan, the Team exchanged views and had a series of discussions with the Uzbekistan authorities concerned.


As a result of the discussions, both sides agreed upon the matters in the document attached hereto.

This document has been prepared in the English and Russian languages, each text being equally authentic. In case of any divergence of interpretation, the English text shall prevail.

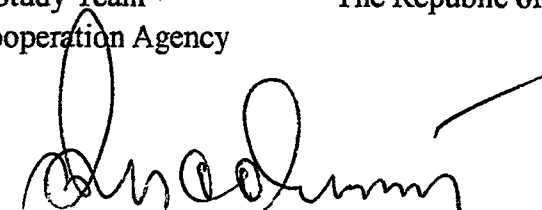
Tashkent, 30 March, 2004



Prof. Tomoko Kusama
Leader
Japanese Preparatory Study Team
Japan International Cooperation Agency
Japan



Prof. Feruz Nazirov
Minister of Health
The Republic of the Uzbekistan



Witness : Prof. Khusanov Jumanazar Khusanovich
First Deputy Minister
The Ministry of Higher and Secondary Special Education

THE ATTACHED DOCUMENT
DRAFT OF RECORD OF DISCUSSION (R/D)

I. COOPERATION BETWEEN JICA AND UZBEKISTAN GOVERNMENT

1. The Government of Uzbekistan will implement the Nursing Education Improvement Project (hereinafter referred to as "the Project") in cooperation with JICA.
2. The Project will be implemented in accordance with the Master Plan which is given in Annex I.

II. MEASURES TO BE TAKEN BY JICA

In accordance with the laws and regulations in force in Japan, JICA will take, as its own expenses, the following measures according to the normal procedures under Technical Cooperation Scheme of Japan.

1. DISPATCH OF JAPANESE EXPERTS

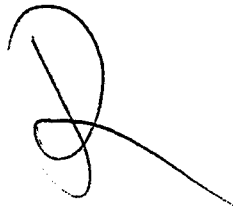
JICA will provide the services of the Japanese experts as listed in Annex II.

2. PROVISION OF MACHINERY AND EQUIPMENT

JICA will provide such machinery, equipment and other materials (hereinafter referred to as "the Equipment") necessary for the implementation of the Project as listed in Annex III. The Equipment will become the property of the Government of Uzbekistan upon being delivered C.I.F. (cost, insurance and freight) to the Uzbekistan authorities concerned at the ports and/or airports of disembarkation.

3. TRAINING OF UZBEKISTAN PERSONNEL IN JAPAN

JICA will receive the Uzbekistan personnel connected with the Project for technical training in Japan.

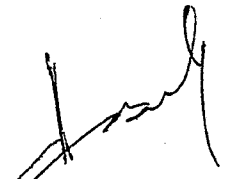


10.

III. MEASURES TO BE TAKEN BY THE GOVERNMENT OF UZBEKISTAN

1. The Government of Uzbekistan will take necessary measures to ensure that the self-reliant operation of the Project will be sustained during and after the period of Japanese technical cooperation, through full and active involvement in the Project by all related authorities, beneficiary groups and institutions.
2. The Government of Uzbekistan will ensure that the technologies and knowledge acquired by the Uzbekistan nationals as a result of Japanese technical cooperation will contribute to the economic and social development of Uzbekistan.
3. The Government of Uzbekistan will ensure that the Equipment referred to in II-2 above will be utilized effectively for the implementation of the Project in consultation with the Japanese experts referred to in Annex II.
4. The Government of Uzbekistan will take necessary measures to ensure that the knowledge and experience acquired by the Uzbekistan personnel from technical training in Japan will be utilized effectively in the implementation of the Project.
5. In accordance with the laws and regulations in force in Uzbekistan, the Government of Uzbekistan will take necessary measures to provide at its own expense:
 - (1) Services of the Uzbekistan counterpart personnel and administrative personnel as listed in Annex IV;
 - (2) Land, buildings and facilities as listed in Annex V;
 - (3) Supply or replacement of machinery, equipment, instruments, vehicles, tools, spare parts and any other materials necessary for the implementation

ite.




of the Project other than the Equipment provided by JICA under II-2 above ; and

- (4) Suitably furnished accommodation for the Japanese experts and their families.
6. In accordance with the laws and regulations in force in Uzbekistan, the Government of Uzbekistan will take necessary measures to meet:
- (1) Expenses necessary for transportation within Uzbekistan of the Equipment referred to in II-2 above as well as for the installation, operation and maintenance thereof;
 - (2) Customs duties, internal taxes and any other charges, imposed in Uzbekistan on the Equipment referred to in II-2 above; and
 - (3) Running expenses necessary for the implementation of the Project.

IV. ADMINISTRATION OF THE PROJECT

1. The First Deputy Minister, as the Project director, will bear overall responsibility for administration and implementation of the Project.
2. The responsibility for the managerial and technical matters of the project will be ensured by the Project manager, appointed by the Decree of Ministry of Health.
3. Nursing Education Center in the First Republican Medical College and Clinical practice department in the Tashkent Republican Center for Emergency Care: introducing will carry out the Project.
4. The Japanese Team Leader will provide necessary recommendations and advice to the Project Director and the Project manager on any matters pertaining to the implementation of the Project.



5. The Japanese experts will give necessary technical guidance and advice to Uzbekistan counterpart personnel on technical matters pertaining to the implementation of the Project.
6. For the effective and successful implementation of technical cooperation for the Project, a Joint Coordinating Committee will be established whose functions and composition are described in Annex VI.

V. JOINT EVALUATION

Evaluation of the Project will be conducted jointly by JICA and the Uzbekistan authorities concerned, at the middle and during the last six months of the cooperation term in order to examine the level of achievement.

VI. CLAIMS AGAINST JAPANESE EXPERTS

The Government of Uzbekistan undertakes to bear claims, if any arises, if any arises, against the Japanese experts engaged in technical cooperation for the Project resulting from, occurring in the course of, or otherwise connected with the discharge of their official functions in Uzbekistan except for those arising from the willful misconduct or gross negligence of the Japanese experts.

VII. MUTUAL CONSULTATION

There will be mutual consultation between JICA and Uzbekistan Government on any issues arising from, or in connection with this Attached Document.

VIII. MEASURES TO PROMOTE UNDERSTANDING OF AND SUPPORT FOR THE PROJECT

For the purpose of promoting support for the Project among the people of Uzbekistan, the Government of Uzbekistan will take appropriate measures to make the Project widely known to the people of Uzbekistan.



IX. TERM OF COOPERATION

The duration of the technical cooperation for the Project will be five (5) years from the date indicated on the R/D.

ANNEX I	DRAFT OF MASTER PLAN
ANNEX II	LIST OF JAPANESE EXPERTS
ANNEX III	LIST OF MACHINERY AND EQUIPMENT
ANNEX IV	LIST OF UZBEKISTAN COUNTERPART AND ADMINISTRATIVE PERSONNEL
ANNEX V	LIST OF LAND, BUILDINGS AND FACILITIES
ANNEX VI	JOINT COORDINATING COMMITTEE
ANNEX VII	DRAFT OF PROJECT DOCUMENT
ANNEX VIII	PROJECT DESIGN MATRIX (PDM)
ANNEX IX	PLAN OF OPERATION (PO)

DRAFT OF MASTER PLAN

OVERALL GOAL

Nursing education based on the “client-oriented nursing” is innovated in 54 medical colleges in the whole country.

PROJECT GOAL

An educational model based on “client-oriented nursing” is established.

OUTPUT OF THE PROJECT

- 1 Concept of “client-oriented nursing” is introduced into in-school education at the First Republic Medical College (FRMC).
 - 1-1 Draft curriculum for the FRMC is prepared based on the “client-oriented nursing”.
 - 1-2 Teaching materials are prepared based on the “client-oriented nursing”.
 - 1-3 Teaching method of the “client-oriented nursing” is understood by the nursing educators.
- 2 “client-oriented nursing” practices are introduced in a model hospital.
- 3 Standard of nursing education (curriculum, teaching materials and quality of teachers) is proposed.

ACTIVITIES OF THE PROJECT

See attached Annex VIII PDM.

PROJECT SITE

- Nursing education center, the First Republican Medical College: establishing nursing curriculum, nursing teaching materials and quality of nursing teachers (training).
- Clinical practice department, Tashkent Republican Center for Emergency Care: introducing “client-oriented nursing” practices.

LIST OF JAPANESE EXPERTS

1. Chief advisor
2. Nursing education
3. Coordinator
4. Experts in the following fields:
 - (1) Fundamental nursing
 - (2) Maternal nursing and child nursing
 - (3) Adult nursing and gerontology nursing
 - (4) Community nursing
 - (5) Nursing management
 - (6) Training coordinator

The request for these experts will be made through the submission of an application (A-1) form by the Ministry of Health.

LIST OF MACHINERY AND EQUIPMENT

1. Equipment for nursing education in theory and practice
2. Equipment for other related fields mutually agreed upon as necessary

The request for these machinery and equipment will be made through the submission of an application (A-4) form by the Ministry of Health.

LIST OF UZBEKISTAN COUNTERPART AND ADMINISTRATIVE
PERSONNEL

1. Chief of the project
2. Technical coordinator
3. Counterpart personnel in the following fields:
 - (1) Nursing education
 - (2) Fundamental nursing
 - (3) Maternal nursing and child nursing
 - (4) Adult nursing and gerontology nursing
 - (5) Community nursing
 - (6) Nursing management
4. Administrative Personnel
 - (1) Secretariat
 - (2) Driver
 - (3) Other supporting staff mutually agreed upon as necessary

LIST OF LAND, BUILDINGS AND FACILITIES

1. Land
2. Building and facilities
 - (1) Sufficient space for the implementation of the Project
 - (2) Offices and other necessary facilities for the Japanese Experts
 - (3) Services, such as the supply of electricity , gas and water, sewerage system, telephones, and furniture necessary for the Project Activities
 - (4) Other facilities mutually agreed upon as necessary

JOINT COORDINATING COMMITTEE

1. Functions

The Joint Coordinating Committee will meet at least once a year and whenever necessary arises, and work :

- (1) To formulate the annual work plan for the Project under the frame work of the R/D.
- (2) To review the overall progress of the technical cooperation program as well as the achievements of the above-mentioned annual work plan.
- (3) To discuss major issues arising from or related to the Project.

2. Composition

(1) Chairman : Ministry of Health

(2) Uzbekistan side :

- a. The Head of Human Recourses, Science and Educational Institutions Department, the Ministry of Health
- b. The Head Nurse of the Ministry of Health
- c. The Chief of Unit of Educational Institutions, the Ministry of Health
- d. The Leading Specialist of Human Recourses, Science and Eduactional Institutions Department, the Ministry of Health
- e. The Head of External Economic Activities Coordination Department, the Ministry of Health
- f. The Head of Center for Secondary Specialized Vocational Education, Vocational College Department, the Ministry of Higher and Secondary Special Education

(3) Japanese side :

- a. Chief advisor
- b. Other experts mutually agreed on
- c. Other personnel dispatched by JICA, as necessary
- d. JICA Uzbekistan Office

(4) Observer

- a. Representitive of the Embassy of Japan in the Republic of Uzbekistan
- b. Representitive of the Uzbekistan Nursing Association
- c. Representitive of the Technical Committee of Nursing Schools

Note : The Joint Coordinating Committee can invite any relevant person to discuss specific issues.

ANNEX VIII

Draft of Project Design Matrix (PDM)

Title: Nursing Education Improvement Project

Target Area: Tashkent

Duration: July 2004 – June 2009

Target Group: Nursing Educators of the First Republican Medical Collage and in charge of clinical practice

Prepared on March 2004

Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Important Assumption
<p>[Overall Goal] Nursing education based on the “client-oriented nursing” is innovated in 54 medical colleges in the whole country.</p>	<ul style="list-style-type: none"> • Nursing education based on the “client-oriented nursing” is innovated in the First Republican Medical Collage (FRMC). 	<ul style="list-style-type: none"> • Result of comprehension test of client-oriented nursing. 	<ul style="list-style-type: none"> • MOH spread the educational model on 54 medical colleges.
<p>[Project Purpose] An educational model based on “client-oriented nursing” is established.</p>	<ul style="list-style-type: none"> • Client-oriented nursing education is implemented as in-school education at the FRMC by June 2009. 1-1 Draft curriculums for nursing education in FRMC is prepared by July 2008. 	<ul style="list-style-type: none"> 1 Results of trial session. 1-1 Draft curriculums for nursing education. 	<ul style="list-style-type: none"> • •
<p>[Outputs] 1 Concept of “client-oriented nursing” is introduced into in-school education at FRMC. 1-1 Draft curriculum¹ for the FRMC is prepared based on the “Client-oriented nursing”. 1-2 Teaching materials are prepared based on the “Client-oriented nursing”.</p>	<ul style="list-style-type: none"> 1-2-1 Teaching materials on Fundamental nursing, Maternal nursing and child nursing, Adult nursing and gerontology nursing, Community health and Nursing management are prepared as references by July 2008. 1-2-2 Drafts of laboratory manuals using equipments for nursing education are prepared. 1-3 Educators of the FRMC and model institute pass a comprehension test of client-oriented nursing by June 2009. 	<ul style="list-style-type: none"> 1-2-1 References on Fundamental nursing, Maternal nursing and child nursing, Adult nursing and gerontology nursing, Community health and Nursing management. 1-2-2 Drafts of laboratory manuals. 1-3 Result of comprehension test of client-oriented nursing. 	<ul style="list-style-type: none"> 2-1 Guideline on the TECC. 2-2 Opinion of Patients. 2-3 Method of clinical practice of teaching staff for nurse education (Draft) 3-1 Unified education standard. 3-2 Proposal for implementing unified graduation examination.
<p>1-3 Teaching method of the “client-oriented nursing” is understood by the nursing educators².</p>	<ul style="list-style-type: none"> 2 Client-oriented nursing practices are implemented at the Research Center for Emergency Medicine (RCEM). 	<ul style="list-style-type: none"> 2-1 Guideline on the TECC. 2-2 Opinion of Patients. 2-3 Method of clinical practice of teaching staff for nurse education (Draft) 	<ul style="list-style-type: none"> 3-1 Unified education standard. 3-2 Proposal for implementing unified graduation examination.
<p>2 Client-oriented nursing practices are introduced in a model hospital.</p>	<ul style="list-style-type: none"> 3 Proposals regarding standard of nursing education are submitted to Ministry of Health by June 2009. 	<ul style="list-style-type: none"> 3-1 Unified education standard. 3-2 Proposal for implementing unified graduation examination. 	<ul style="list-style-type: none"> 3-1 Unified education standard. 3-2 Proposal for implementing unified graduation examination.
<p>3 Standard of nursing education (curriculum, teaching material and quality of teachers) is proposed.</p>	<ul style="list-style-type: none"> 3 Proposals regarding standard of nursing education are submitted to Ministry of Health by June 2009. 	<ul style="list-style-type: none"> 3-1 Unified education standard. 3-2 Proposal for implementing unified graduation examination. 	<ul style="list-style-type: none"> 3-1 Unified education standard. 3-2 Proposal for implementing unified graduation examination.

Note: *1 curriculum is composed of time table and Syllabus.

*2 “Nursing educators” covers educators in 54 medical colleges and 6 institutes of medicine to promote “Statement Program of Reforming the Health Care System of Republic of Uzbekistan” which is under implementation by the Ministry of Health.

【Activities】	【Input】	【Pre-conditions】
<p>0 To establish Project Implementation Office: Nursing Education Center (NEC) in the FRMC.</p> <p>1-1-1 To establish Curriculum Committee consist of MOH, Ministry of High and Secondary Specialized Education, educators from institute of medicine and medical college.</p> <p>1-1-2 To collect information about curriculums for middle level education.</p> <p>1-1-3 To prepare the idea of curriculums for middle level education based on the "Client-oriented nursing".</p> <p>1-2-1 To establish working groups consisted of educators from institute of medicine and medical college for preparing teaching material.</p> <p>1-2-2 To collect information about textbooks for medical colleges and institutes of medicine.</p> <p>1-2-3 To confirm the needs of health care facilities and patients for improving nursing care.</p> <p>1-2-4 To prepare teaching materials (Fundamental nursing, Maternal nursing and child nursing, Adult nursing and gerontology nursing, Community nursing and Nursing management)</p> <p>1-2-4 To monitor utilization condition of equipments for nursing education procured by Japanese Grant Aid Project.</p> <p>1-2-5 To prepare drafts of laboratory manuals for these equipments.</p> <p>1-3-1 To confirm technical level and needs of nursing educators.</p> <p>1-3-2 To hold seminar for concept of "Client oriented nursing".</p> <p>1-3-3 To draw up the program for introducing client oriented nursing education³⁾ using the prepared curriculum and teaching materials.</p> <p>1-3-4 To train educators in FRMC for implementing the introducing program for client oriented nursing education.</p> <p>1-3-5 To implement trial sessions for introducing client oriented nursing education.</p> <p>1-3-6 To monitor and evaluate the trial sessions.</p> <p>1-3-7 To train nursing educators from 54 medical colleges and 6 institutes of medicine for introducing client</p>	<p>Japanese side 【personnel】 - Long-term experts - Chief Adviser - Nurse Education Coordinator Short-term experts - Fundamental nursing - Maternal nursing and child nursing, - Adult nursing and gerontology nursing - Community nursing - Nursing management - Training Coordinator - Statistics 【Facilities and equipments】 - Necessary machinery, equipment and other materials for the implementation of the Project. 【Training in Japan】</p>	<p>Uzbekistan side 【personnel】 - Nursing Education - Fundamental nursing - Maternal nursing and child nursing, - Adult nursing and gerontology nursing - Community nursing - Nursing management 【Facilities and equipments】 - FRMC 【Budget】 - Necessary costs for project operation.</p>

ANNEX VIII

<p>oriented nursing education..</p> <p>2-1 To establish a clinical practice department in RCEM. 2-2 To collect information about clinical practice in RCEM. 2-3 To confirm problems and needs of clinical practice instructors. 2-4 To prepare a manual of clinical practice for introducing client oriented nursing. 2-5 To prepare teaching materials for re-training of clinical practice instructors in medical and health care facilities. 2-6 To train the clinical practice instructors from 60 medical and health care facilities (5 facilities/state X 12 states). 2-7 To monitor the clinical practices in RCEM. 2-8 To confirm the opinions of patients about efficiency of client oriented nursing practice through the questionnaire survey.</p> <p>3-1 To collect information for preparing unified education standard (curriculum, teaching materials, quality of educators). 3-2 To prepare the unified education standard. 3-3 To collect information for implementing unified graduation examination. 3-4 To prepare a proposal for implementing unified graduation examination.</p>		
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Note: *3 "Program for client oriented nursing education" composes of curriculum, teaching materials, and nursing education method which are improved based on the "client-oriented nursing".

Plan of Operation : Nursing Education Improvement Project																		
Schedule														Notes				
Activities	2004			2005			2006			2007			2008			2009		Input
	7	10	1	4	7	10	1	4	7	10	1	4	7	10	1	4	7	
Concept of client-oriented nursing is introduced into in-school education at the Republic Medical College (FRMC).																		
0	★																	
0-1	★				★				★									★
Draft curriculum for the FRMC is prepared based on the "Client-oriented nursing".																		
1-1-1.	★																	
Secondary Curriculum Committee consist of MOH, Ministry of High and Specialized Education, educators from institute of medicine and medical college.																		
1-1-2.																		
To collect information about curriculums for middle level education.																		
1-1-3.																		
To prepare the idea of curriculums for middle level education based on the "Client-oriented nursing".																		
Teaching materials are prepared based on the "Client-oriented nursing".																		
1-2-1.	★																	
To establish working groups consisted of educators from institute of medicine and medical college for preparing teaching material.																		
1-2-2.																		
To collect information about textbooks for medical colleges and institutes of medicine.																		
1-2-3.																		
To confirm the needs of health care facilities and patients for improving nursing care.																		
1-2-4.																		
To prepare draft of teaching materials (Fundamental nursing, Maternal nursing and child nursing, Adult nursing and gerontology nursing, Community nursing and Nursing management)																		
1-2-5.																		
To finalize the teaching materials.																		
1-2-6.																		
To monitor utilization condition of equipments for nursing education procured by Japanese Grant Aid Project.																		
1-2-7.																		
To prepare drafts of laboratory manuals for these equipments.																		
1-3 Teaching method of the "client-oriented nursing" is introduced by the FRMC and educators.																		
1-3-1.																		
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1-3-2.																		
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To draw up the program for introducing client oriented nursing education*3 using the prepared curriculum and teaching materials.																		
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1-3-6.																		
To monitor and evaluate the trial sessions.																		
1-3-7.																		
To train nursing educators from 54 medical colleges and 6 institutes of medicine for introducing client oriented nursing education..																		

Plan of Operation : Nursing Education Improvement Project															
Activities	Schedule														
	2004		2005		2006		2007		2008		2009		In charge	Input	Note
7	10	1	4	7	10	1	4	7	10	1	4	7			
Client oriented nursing practices are introduced in 1 model hospital															
2-1. To establish a clinical practice department in RCEM.	★														
2-2. To collect information about clinical practice in RCEM.		↑													
2-3. To confirm problems and needs of clinical practice instructors.															
2-4. To prepare a manual of clinical practice for introducing client oriented nursing.															
2-5. To prepare teaching materials for re-training of clinical practice instructors in medical and health care facilities.															
2-6. To train the clinical practice instructors from 60 medical and health care facilities (5 facilities/state X 12 states).		▲													
2-7. To monitor the clinical practices in RCEM.															
2-8. To confirm the opinions of patients about efficiency of client oriented nursing practice through the questionnaire survey.															
3 Standard of nursing education (curriculum, teaching material and quality of teachers) is proposed															
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3-4. To prepare a proposal for implementing unified graduation examination.															

3. 討議議事録 (Record of Discussions 及び Minutes of Meeting)

(ロシア語版については掲載を省略する。)

RECORD OF DISCUSSIONS
BETWEEN JAPAN INTERNATIONAL COOPERATION AGENCY
AND
AUTHORITIES CONCERNED OF THE GOVERNMENT OF
THE REPUBLIC OF UZBEKISTAN
ON JAPANESE TECHNICAL COOPERATION
FOR
NURSING EDUCATION IMPROVEMENT PROJECT

Japan International Cooperation Agency (hereinafter referred to as "JICA") exchanged views and had a series of discussions with the authorities concerned of the Republic of Uzbekistan with respect to desirable measures to be taken by JICA and the Government of Uzbekistan for successful implementation of the above-mentioned Project.

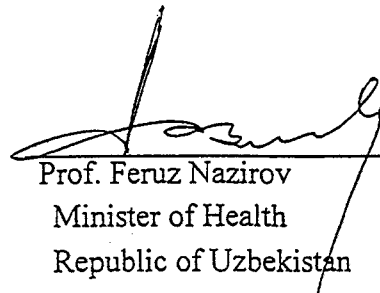
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Tashkent, April 28, 2004

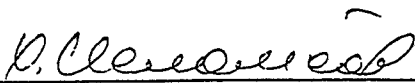


Ms. Kae Yanagisawa
Resident Representative
Uzbekistan Office
Japan International Cooperation Agency

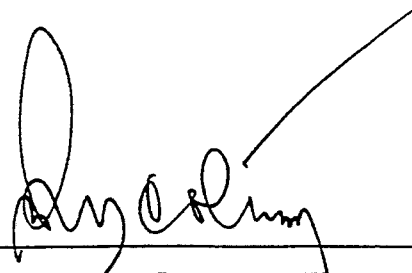


Prof. Feruz Nazirov
Minister of Health
Republic of Uzbekistan

Witness:



Mr. Hasan Islamkhodjaev
Deputy Chairman
Agency for Foreign Economic Relations
Republic of Uzbekistan



Prof. Khusanov Jumanazar Khusanovich
First Deputy Minister
The Ministry of Higher and Secondary
Specialized Education
Republic of Uzbekistan

THE ATTACHED DOCUMENT

I. COOPERATION BETWEEN JICA AND GOVERNMENT OF UZBEKISTAN

1. The Government of Republic of Uzbekistan will implement the Nursing Education Improvement Project (hereinafter referred to as "the Project") in cooperation with JICA.
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JICA will provide the services of Japanese experts as listed in Annex II.

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JICA will receive Uzbekistan personnel connected with the Project for technical training in Japan.

III. MEASURES TO BE TAKEN BY THE GOVERNMENT OF THE REPUBLIC OF UZBEKISTAN

1. The Government of the Republic of Uzbekistan will take necessary measures to ensure that the self-reliant operation of the Project will be sustained during and after the period of Japanese technical cooperation, through full and active involvement in the Project by all related authorities, beneficiary groups and institutions.
2. The Government of the Republic of Uzbekistan will ensure that the technologies and knowledge acquired by the Uzbekistan nationals as a result of Japanese technical cooperation will contribute to the economic and social development of the Republic of Uzbekistan.
3. The Government of the Republic of Uzbekistan will grant in the Republic of Uzbekistan privileges, exemptions and benefits as listed in Annex □ and will grant privileges, exemptions and benefits no less favorable than those granted to experts of third countries or international organizations performing similar missions to the Japanese experts referred to in II-1 above and their families.
4. The Government of the Republic of Uzbekistan will ensure that the Equipment referred to in II-2 above will be utilized effectively for the implementation of the Project in consultation with the Japanese experts referred to in Annex II.
5. The Government of the Republic of Uzbekistan will take necessary measures to ensure that the knowledge and experience acquired by the Uzbekistan personnel from technical training in Japan will be utilized effectively in the implementation of the Project.
6. In accordance with the laws and regulations in force in the Republic of Uzbekistan, the Government of the Republic of Uzbekistan will take



necessary measures to provide at its own expense:

- (1) Services of the Uzbekistan counterpart personnel and administrative personnel as listed in Annex V;
 - (2) Land, buildings and facilities as listed in Annex VI;
 - (3) Supply or replacement of machinery, equipment, instruments, vehicles, tools, spare parts and any other materials necessary for the implementation of the Project other than the Equipment provided by JICA under II-2 above ; and
7. In accordance with the laws and regulations in force in the Republic of Uzbekistan, the Government of the Republic of Uzbekistan will take necessary measures to meet:
- (1) Expenses necessary for transportation within the Republic of Uzbekistan of the Equipment referred to in II-2 above as well as for the installation, operation and maintenance thereof;
 - (2) Customs duties, internal taxes and any other charges, imposed in the Republic of Uzbekistan on the Equipment referred to in II-2 above; and
 - (3) Running expenses necessary for the implementation of the Project.

IV. ADMINISTRATION OF THE PROJECT

1. The First Deputy Minister, as the Project director, will bear overall responsibility for administration and implementation of the Project.
2. The responsibility for the managerial and technical matters of the project will be ensured by the Project manager, appointed by the Decree of Ministry of Health.
3. Nursing Education Center in the First Republican Medical College and Clinical



Practice Department in the Tashkent Republican Center for Emergency Care will carry out the Project.

4. The Japanese Team Leader will provide necessary recommendations and advice to the Project Director and the Project manager on any matters pertaining to the implementation of the Project.
5. The Japanese experts will give necessary technical guidance and advice to Uzbekistan counterpart personnel on technical matters pertaining to the implementation of the Project.
6. For the effective and successful implementation of technical cooperation for the Project, a Joint Coordinating Committee, whose functions and composition are described in Annex VII, will be established.

V. JOINT EVALUATION

Evaluation of the Project will be conducted jointly by JICA and the Uzbekistan authorities concerned, at the middle and during the last six months of the cooperation term in order to examine the level of achievement.

VI. CLAIMS AGAINST JAPANESE EXPERTS

The Government of the Republic of Uzbekistan undertakes to bear claims, if any arises, against the Japanese experts engaged in technical cooperation for the Project resulting from, occurring in the course of, or otherwise connected with the discharge of their official functions in the Republic of Uzbekistan except for those arising from the willful misconduct or gross negligence of the Japanese experts.

VII. MUTUAL CONSULTATION

There will be mutual consultation between JICA and the Republic of Uzbekistan Government on any issues arising from, or in connection with this Attached Document.

VIII. MEASURES TO PROMOTE UNDERSTANDING OF AND SUPPORT FOR

THE PROJECT

For the purpose of promoting support for the Project among the people of the Republic of Uzbekistan, the Government of the Republic of Uzbekistan will take appropriate measures to make the Project widely known to the people of the Republic of Uzbekistan.

IX. TERM OF COOPERATION

The duration of the technical cooperation for the Project under this Attached Document will be five years from July 1, 2004.

- ANNEX I MASTER PLAN
- ANNEX II LIST OF JAPANESE EXPERTS
- ANNEX III LIST OF MACHINERY AND EQUIPMENT
- ANNEX IV PRIVILEGES, EXEMPTIONS AND BENEFITS FOR JAPANESE EXPERTS
- ANNEX V LIST OF UZBEKISTAN COUNTERPART AND ADMINISTRATIVE PERSONNEL
- ANNEX VI LIST OF LAND, BUILDINGS AND FACILITIES
- ANNEX VII JOINT COORDINATING COMMITTEE



MASTER PLAN

OVERALL GOAL

Nursing education, based on the "Client-oriented nursing," is innovated in 54 medical colleges throughout the country.

PROJECT GOAL

An educational model based on "Client-oriented nursing" is established.

OUTPUT OF THE PROJECT

- 1 Concept of "Client-oriented nursing" is introduced into in-school education at the First Republic Medical College (FRMC).
 - 1-1 Draft curriculum for the FRMC is prepared based on "Client-oriented nursing".
 - 1-2 Teaching materials are prepared based on "Client-oriented nursing".
 - 1-3 Teaching method of "Client-oriented nursing" is understood by the nursing educators.
- 2 "Client-oriented nursing" practice teaching is introduced in a model hospital.
- 3 Standards for nursing education (curriculum, teaching materials and quality of teachers) are proposed.


PROJECT SITE

1. Nursing education center, the First Republican Medical College: establishing a nursing curriculum, developing nursing teaching materials, and improving the quality of nursing teachers.
2. Clinical practice department, Tashkent Republican Center for Emergency Care for introducing "client-oriented nursing" practices.

LIST OF JAPANESE EXPERTS

1. Chief advisor
2. Nursing education
3. Coordinator
4. Experts in the following fields:
 - (1) Fundamental nursing
 - (2) Maternal nursing and child nursing
 - (3) Adult nursing and gerontological nursing
 - (4) Community nursing
 - (5) Nursing management
 - (6) Training supervisor

The request for these experts will be made through the submission of an application (A-1) form by the Ministry of Health.



LIST OF MACHINERY AND EQUIPMENT

1. Equipment for theoretical and practical nursing education
2. Equipment for other related fields mutually agreed upon as necessary

The request for the machinery and equipment will be made through the submission of an application (A-4) form by the Ministry of Health.



PRIVILEGES, EXEMPTIONS AND BENEFITS FOR JAPANESE EXPERTS

1. Exemption from income tax and charges of any kind imposed on or in connection with the living allowances remitted from abroad.
2. Exemption from import duties and any other charges in respect of personal and household effects including one motor vehicle per expert which may be brought into the Republic of Uzbekistan from abroad.
3. In case of accident or emergency, the Government of the Republic of Uzbekistan will use all available means to obtain medical and other necessary assistance for the Japanese experts, volunteers and their families.




LIST OF UZBEKISTAN COUNTERPART AND ADMINISTRATIVE PERSONNEL

1. Chief of the project
2. Technical coordinator
3. Counterpart personnel in the following fields:
 - (1) Nursing education
 - (2) Fundamental nursing
 - (3) Maternal nursing and child nursing
 - (4) Adult nursing and gerontological nursing
 - (5) Community nursing
 - (6) Nursing management
4. Administrative personnel
 - (1) Secretariat
 - (2) Driver
 - (3) Other supporting staff mutually agreed upon as necessary

LIST OF LAND, BUILDINGS AND FACILITIES

1. Land
2. Building and facilities
 - (1) Sufficient space for the implementation of the Project
 - (2) Offices and other necessary facilities for the Japanese Experts
 - (3) Utilities, such as the supply of electricity, gas and water, sewerage system, telephones, and furniture necessary for the Project Activities
 - (4) Other facilities mutually agreed upon as necessary



JOINT COORDINATING COMMITTEE

1. Functions

The Joint Coordinating Committee will meet at least once a year and whenever necessity arises, and work :

- (1) To formulate the annual work plan for the Project under the frame work of the Record of Discussions.
- (2) To review the overall progress of the technical cooperation program as well as the achievements of the above-mentioned annual work plan.
- (3) To discuss major issues arising from or related to the Project.

2. Composition

(1) Chairperson : The First Deputy Minister, the Ministry of Health

(2) Uzbekistan side :

- a. The Head of Human Recourses, Science and Educational Institutions Department, the Ministry of Health
- b. The Head Nurse of the Ministry of Health
- c. The Chief of Unit of Educational Institutions, the Ministry of Health
- d. The Leading Specialist of Human Recourses, Science and Eduactional Institutions Department, the Ministry of Health
- e. The Head of External Economic Activities Coordination Department, the Ministry of Health
- f. The Head of Center for Secondary Specialized Vocational Education, Vocational College Department, the Ministry of Higher and Secondary Special Education

(3) Japanese side :

- a. Chief advisor
- b. Other experts mutually agreed on
- c. Other personnel dispatched by JICA, as necessary
- d. Resident Representative of JICA Uzbekistan Office

(4) Observer

- a. Representative of the Embassy of Japan in the Republic of Uzbekistan
- b. Representative of the Uzbekistan Nursing Association
- c. Representative of the Technical Committee of Nursing Schools

Note : Chairperson of the Joint Coordinating Committee can invite any relevant person to discuss specific issues.

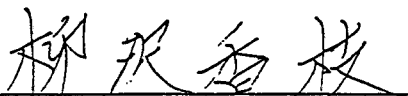
MINUTES OF MEETING
BETWEEN
JAPAN INTERNATIONAL COOPERATION AGENCY
AND
AUTHORITIES CONCERNED OF THE GOVERNMENT OF
THE REPUBLIC OF UZBEKISTAN
ON JAPANESE TECHNICAL COOPERATION
FOR
NURSING EDUCATION IMPROVEMENT PROJECT

Japan International Cooperation Agency (hereinafter referred to as "JICA") exchanged views and had a series of discussions with the authorities concerned of the Republic of Uzbekistan with respect to desirable measures to be taken by JICA and the Government of Uzbekistan for successful implementation of the above-mentioned Project (hereinafter referred to as « the Project »).

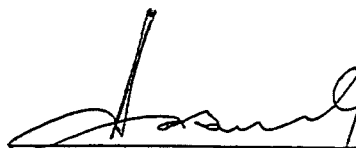
As a result of the discussions, both sides agreed upon the matters in the document attached hereto. This Document is related to the Record of Discussions on the Project, signed on the same date.

This document has been prepared in the English and Russian languages, each text being equally authentic. In case of any divergence of interpretation, the English text shall prevail.

Tashkent, April 28, 2004

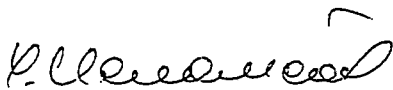


Ms. Kae Yanagisawa
Resident Representative
Uzbekistan Office
Japan International Cooperation Agency

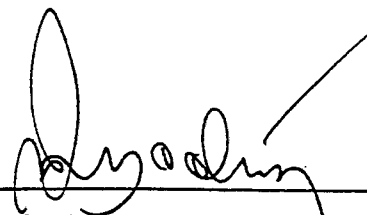


Prof. Feruz Nazirov
Minister of Health
Republic of Uzbekistan

Witness:



Mr. Hasan Islamkhodjaev
Deputy Chairman
Agency for Foreign Economic Relations
Republic of Uzbekistan



Prof. Khusanov Jumanazar Khusanovich
First Deputy Minister
The Ministry of Higher and Secondary
Specialized Education of Republic of
Uzbekistan

THE ATTACHED DOCUMENT

I. PROJECT DESIGN MATRIX

The Project Design Matrix (hereinafter related to as "PDM") was elaborated through discussions by JICA and the Uzbekistan authorities concerned. Both sides agreed to recognize PDM as an implementation tool for project management, and the bases of monitoring and evaluation of the Project. The PDM will be utilized by both sides throughout the implementation of the Project. The PDM is shown in Annex 1.

The PDM will be subject to change within the framework of the Record of Discussions when necessity arises in the course of implementation of the Project by mutual consent.

II. PLAN OF OPERATION

The Plan of Operation (hereinafter referred to as "PO") has been formulated according to the Record of Discussions, on condition that the necessary budget will be allocated for the implementation of the Project by both sides. The schedule is subject to change within the scope of the Record of Discussions when necessity arises in the course of implementation of the Project. The PO is shown in Annex II.

ANNEX I PDM

ANNEX II PO

Draft of Project Design Matrix (PDM)

Title Nursing Education Improvement Project

Target Area: Tashkent

Target Group: Nursing Educators of the First Republican Medical College and persons in charge of clinical practice

Duration: July 2004 – June 2009
Prepared on March 2004

Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Important Assumption
<p><input type="checkbox"/> Overall Goal Nursing education, based on "client-oriented nursing," is innovated in 54 medical colleges throughout the country.</p> <p><input type="checkbox"/> Project Purpose An educational model based on "client-oriented nursing" is established.</p>	<ul style="list-style-type: none"> • The educational model is introduced into 54 medical colleges. 		<ul style="list-style-type: none"> • MOH spreads the educational model to 54 medical colleges.
<p><input type="checkbox"/> Outputs</p> <p>1 Concept of "client-oriented nursing" is introduced into in-school education at FRMC.</p> <p>1-1 Draft curriculum^{*1} for the FRMC is prepared based on "Client-oriented nursing".</p> <p>1-2 Teaching materials are prepared based on "Client-oriented nursing".</p>	<ul style="list-style-type: none"> 1 Client-oriented nursing education is implemented as in-school education at the FRMC by June 2009. 1-1 Draft curriculum for nursing education in FRMC is prepared by July 2008. 1-2-1 Teaching materials on Fundamental nursing, Maternal nursing and child nursing, Adult nursing and gerontology nursing, Community health and Nursing management are prepared as references by July 2008. 1-2-2 Drafts of laboratory manuals using equipments for nursing education are prepared. 	<ul style="list-style-type: none"> 1 Results of trial session. 1-1 Draft curriculum for nursing education. 1-2-1 References on Fundamental nursing, Maternal nursing and child nursing, Adult nursing and gerontology nursing, Community health and Nursing management. 1-2-2 Drafts of laboratory manuals. 	<ul style="list-style-type: none"> • •
<p>1-3 Teaching method of "client-oriented nursing" is understood by the nursing educators^{*2}.</p> <p>2 Client-oriented nursing practice teaching is introduced in a model hospital.</p>	<ul style="list-style-type: none"> 1-3 Educators of the FRMC and model institutes pass a comprehension test of client-oriented nursing by June 2009. 	<ul style="list-style-type: none"> 1-3 Results of comprehension test of client-oriented nursing. 2-1 Guidelines on the TECC. 2-2 Opinion of Patients. 2-3 Methods of clinical practice of teaching staff for nurse education (Draft) 	
<p>3 Standard of nursing education (curriculum, teaching material and quality of teachers) is proposed.</p>	<ul style="list-style-type: none"> 3 Proposals regarding standard of nursing education are to be submitted to Ministry of Health by June 2009. 	<ul style="list-style-type: none"> 3-1 Development of an education standard. 3-2 Proposal for implementing a standardized graduation examination. 	

Note: *1 curriculum is composed of time table and Syllabus.

*2 "Nursing educators" covers educators in 54 medical colleges and 6 institutes of medicine to promote the "Statement Program of Reforming the Health Care System of the Republic of Uzbekistan" which is under implementation by the Ministry of Health

ANNEX I

Activities	Input <u>Japanese side</u> <input type="checkbox"/> personnel - Long-term experts - Chief Adviser - Nurse Education Coordinator Short-term experts - Fundamental nursing - Maternal nursing and child nursing, - Adult nursing and gerontology nursing - Community nursing - Nursing management - Training Coordinator <input type="checkbox"/> Facilities and equipments - Necessary machinery, equipment and other materials for the implementation of the Project. <input type="checkbox"/> Training in Japan	<u>Uzbekistan side</u> <input type="checkbox"/> personnel - Nursing Education - Fundamental nursing - Maternal nursing and child nursing, - Adult nursing and gerontology nursing - Community nursing - Nursing management <input type="checkbox"/> Facilities and equipments - FRMC <input type="checkbox"/> Budget - Necessary costs for project operation.	Pre-conditions
<p>Activities To establish a Project Implementation Office: Nursing Education Center (NEC) in the FRMC.</p> <p>1-1-1 To establish a Curriculum Committee consisting of MOH, Ministry of High and Secondary Specialized Education, educators from institutes of medicine and medical colleges.</p> <p>1-1-2 To collect information about curriculums for middle level education.</p> <p>1-1-3 To prepare the idea of curriculums for middle level education based on "Client-oriented nursing".</p> <p>1-2-1 To establish working groups consisting of educators from institutes of medicine and medical college for preparing syllabuses and teaching material.</p> <p>1-2-2 To collect information about textbooks for medical colleges and institutes of medicine.</p> <p>1-2-3 To confirm the needs of health care facilities and patients for improving nursing care.</p> <p>1-2-4 To prepare the syllabuses and the teaching materials <input type="checkbox"/>Fundamental nursing, Maternal nursing and child nursing, Adult nursing and gerontology nursing, Community nursing and Nursing management</p> <p>1-2-5 To monitor the utilization condition of equipments for nursing education procured by the Japanese Grant Aid Project.</p> <p>1-2-6 To prepare drafts of laboratory manuals for these equipments.</p> <p>1-3-1 To confirm technical level and needs of nursing educators.</p> <p>1-3-2 To hold seminars on the concept of "Client oriented nursing".</p> <p>1-3-3 To draw up the program for introducing client oriented nursing education³⁾ using the prepared curriculum and teaching materials.</p> <p>1-3-4 To train educators in FRMC for implementing the introductory program for client oriented nursing education.</p> <p>1-3-5 To implement trial sessions for introducing client oriented nursing</p>			

education.	1-3-6 To monitor and evaluate the trial sessions.	1-3-7 To train nursing educators from 54 medical colleges and 6 institutes of medicine for introducing client oriented nursing education..	2-1 To establish a clinical practice department in RCEM.	2-2 To collect information about clinical practices in RCEM.	2-3 To confirm problems and needs of clinical practice instructors.
2-4 To prepare a manual of clinical practice for introducing client oriented nursing.	2-5 To prepare teaching materials for the re-training of clinical practice instructors in medical and health care facilities.	2-6 To train clinical practice instructors from 60 medical and health care facilities (5 facilities/state X 12 states).	2-7 To monitor the clinical practices in RCEM.	2-8 To confirm the opinions of patients regarding efficiency of client oriented nursing practice through the questionnaire survey.	3-1 To collect information for preparing unified education standards (curriculum, teaching materials, quality of educators).
3-2 To develop the unified education standard.	3-3 To collect information for implementing a standardized graduation examination.	3-4 To prepare a proposal for implementing a standardized graduation examination.			

Note: *3 "Program for client oriented nursing education" composes of curriculum, teaching materials, and nursing education methods which have been improved based on "client-oriented nursing".

Plan of Operation : Nursing Education Improvement Project																						
Activities	Schedule																					
	2004			2005			2006			2007			2008			2009						
	7	10	1	4	7	10	1	4	7	10	1	4	7	10	1	4	7	10	1	4	7	
	In charge	Input	Note																			
1. Concept of "client-oriented nursing" is introduced into in-school education at First Republic Medical College (FRMC).																						
0 To establish Project Implementation Office: Nursing Education Center (NEC) in the FRMC.																						
0-1 To hold a Joint Coordination Committee for monitoring the progress of the Project.																						
1.1-1. To establish a Curriculum Committee consist of MOH, Ministry of High and Secondary Specialized Education, educators from institute of medicine and medical college.																						
1-1-2. To collect information about curriculums for middle level education.																						
1-1-3. To prepare the idea of curriculums for middle level education based on "Client-oriented nursing".																						
1-2. Teaching materials are prepared based on "Client-oriented nursing".																						
1-2-1. To establish working groups consisting of educators from institutes of medicine and medical colleges for operating syllabuses and teaching material.																						
1-2-2. To collect information about textbooks for medical colleges and institutes of medicine.																						
1-2-3. To confirm the needs of health care facilities and patients for improving nursing care.																						
1-2-4. To prepare syllabuses and draft of teaching materials. Fundamental nursing, Maternal nursing and child nursing, Adult nursing and gerontological nursing, Community nursing and Nursing management.																						
1-2-5. To finalize the teaching materials.																						
1-2-6. To monitor utilization condition of equipments for nursing education procured by Japanese Grant Aid Project.																						
1-2-7. To prepare drafts of laboratory manuals for the equipments.																						
1-3. Teaching method of "client-oriented nursing" is understood by the nursing educators.																						
1-3-1. To confirm technical levels and needs of nursing educators.																						
1-3-2. To hold seminars for concept of "Client oriented nursing".																						
1-3-3. To draw up the program for introducing client oriented nursing education ³ using the prepared curriculum and teaching materials.																						
1-3-4. To train educators in FRMC for implementing the introducing program for client oriented nursing education.																						
1-3-5. To implement trial sessions for introducing client oriented nursing education.																						
1-3-6. To monitor and evaluate the trial sessions.																						
1-3-7. To train nursing educators from 34 medical colleges and 6 institutes of medicine for regarding introducing client oriented nursing education.																						
2. Client-oriented nursing practices are introduced in a model hospital.																						
2-1. To establish a clinical practice department in RCCEM.																						
2-2. To collect information about clinical practices in RCCEM.																						
2-3. To confirm problems and needs of clinical practice instructors.																						
2-4. To prepare a manual of clinical practice for introducing client oriented nursing.																						
2-5. To prepare teaching materials for the re-training of clinical practice instructors in medical and health care facilities.																						
2-6. To train clinical practice instructors from 60 medical and health care facilities (3 facilities/state X 17 states).																						

Plan of Operation : Nursing Education Improvement Project														
Activities	Schedule													
	2004		2005		2006		2007		2008		2009		In charge	Note
	7	10	1	4	7	10	1	4	7	10	1	4		
2-7. To monitor the clinical practices in RCEN.														
2-8. To confirm the opinions of patients regarding efficiency of client oriented nursing practice through the questionnaire survey.														
3-1. To collect information for preparing unified education standard (curriculum, teaching materials, quality of educators).														
3-2. To develop an unified education standard.														
3-3. To collect information for implementing a standardized graduation examination.														
3-4. To prepare a proposal for implementing a standardized graduation examination.														