



Next Generation Teacher's Project

The Integration of Information and
Communication Technology (ICT) into
Development of Future Teacher Education
Program in Teachers Education Institutions
(TEI) in Indonesia.

Description of Concept

- Future Teacher Education Development (FTED) is a term used in this project and adopted from UNESCO's term The Next Generation of Teachers.
- FTED is a capacity building program of Teacher Education Institutions in Indonesia intended to prepare future teachers who are able to improve the quality of instructional processes by integrating their knowledge, skills, and attitudes into the area of information and communication technology.

- Self-evaluation of TEIs which have developed ICT
- Mapping of Teaching Staff ICT Competence
- Mapping of pre-service teacher ICT competence

Project Justification

- Educational Globalization
- Educational Distribution in Indonesia
- Scientific and Technological Drawbacks
- Tendency of Indonesians to use ICT in educational system
- National Curriculum Requirements

- Broader Goals:
 - Integrating ICT into FTED program at TEIs.
- Intermediate Goals
 - Establishing a policy basis and organizational structure of FTED program team.
 - Establishing scope of work, job escription/identification in form of an FTED long term and short term action plan.
 - Describing institutional situations, academic potentials, prospective teachers' potential competencies, facilities and requirements for the organization of FTED program.
 - Planning ICT integration into FTED curriculum in form of long term and short term action plans.
 - Systematically and continually implementing and updating FTED instructional system and models.

Objectives

- Organizational Phase
- Analytical Phase
- Formulation Phase
- Implementation Phase

ICT Integration in teDP

Organizational Phase

Aanalytical Phase

Formulation Phase

Implementation Phase

Organizational Phase

- Formulating and establishing a policy basis for planning, developing, and implementing FTED program.
- Socializing or disseminating FTED program policy.
- Identifying, designing, and establishing a scope of FTED program.
- Forming a National Development Team of FTED program by selecting and appointing a Chairman and team members.
- Identifying, designing, and establishing a schedule of FTED implementation.
- Identifying, planning, and deciding on FTED program budget.

Analytical Phase

- Describing institutional situations of TEIs including
 - ICT Strategic Development Plan,
 - ICT based-human resources,
 - ICT infrastructures,
 - ICT management system,
 - ICT based-educational processes at TEIs in Indonesia.
- Describing TEI's ICT situation on basis of FTED students' ICT skills.
- Identifying technological standards to be developed in FTED program.
- Identifying issues related to important things and obstacles in the implementation of FTED program.
- Analyzing needs for FTED program.
- Collecting supporting documents for formulating strategies of applying
- ICT in teacher education processes at TEIs.

Formulation Phase

- Formulating and recommending strategies of ICT application in educational processes as implementation program guidelines which can describe how to achieve FTED objectives.
- Developing technological standards which will be applied in FTED program.
- Implementing staff development to support the program implementation.
- Developing a technical service provider/institution.
- Planning the development of infrastructures and facilities required for the program implementation.
- Scheduling the FTED program implementation.
- Planning budget for the FTED program implementation.

Activities Output and Outcome

ACTIVITY	OUTPUT	OUTCOME
Organizational Phase		
Analyzing legal aspects of ICT and synchronizing them with the area of education.	Mapping government policies regarding ICT in order to develop FTED program.	Formulation of FTED program scope.
Analyzing laws and educational policies which support FTED program.	Mapping government policies regarding ICT in order to develop FTED program.	Formation of a National Team of FTED program planning with appropriate legal basis and program development policy.
Making policies regarding scope of FTED program.	Basis for policy making to form an FTED planning team and to provide clear directions in planning and implementing the program.	
Formation of FTED National Team	FTED National Team consists of 1. Representatives of MONE; 2. Representatives of TEIs; 3. Experts in teacher training; 4. Educational ICT specialists; 5. Instructional technology specialists; 6. Curriculum developers, and other supporting specialists of FTED	
Electing FTED Team Leader	There is an FTED National Team Leader with high capacity, qualification, and dedication in integrating ICT into teaching education in Indonesia.	
Planning FTED short term and long term programs	National Team plans and decides on FTED long term and short term programs.	Proposed Guidelines of long term and short term programs.
Budgeting in planning FTED program.	National Planning Team plans and decides on required budget in FTED program plan.	
Analytical Phase		
Analyzing resources and technological facilities available at TEIs.	A map of resources and technological facilities relevant to FTED long term and short term programs.	A well formulated implementation plan for a limited dissemination in one or more TEIs.
Mapping the FTED students' competencies	Data on ICT skills of TEI students.	
Scrutinizing technological standards and guidelines for FTED program.	Establishing technological standards which will be used in implementing FTED program.	
Analyzing current issues regarding FTED program	Formulating problem solving methods and approaches to deal with various issues in order to enable FTED program to work in accordance with needs for ICT empirical application in FTED program.	
Investigating ICT achievement level of Indonesians.	Identifying ICT actual performance of TEIs in a global range of ICT performances.	
Formulating recommended strategic plan for FTED program.	Recommending a platform of FTED program to be implemented in educational processes at Indonesia's TEIs.	
Formulation Phase		
Developing technological standards and a list of required infrastructures, software and hardware.	Establishing technological standards and a list of infrastructures, software and hardware required for FTED program.	Formulation of a rational FTED implementation plan in order to achieve goals accurately, effectively, and efficiently.
Developing technical service support provider/institution	Establishment of an institution which is capable of providing technical support in FTED implementation.	
Teaching TEI teaching staff to understand ICT assisted- instructional models.	Availability of sufficient number of human resources with minimum competency standard to implement FTED program.	
Listing required facilities	A complete list of facilities for FTED program implementation	
Scheduling FTED program implementation	A detailed schedule of FTED program implementation	
Deciding on a budget for FTED program	A detailed and effective budget for FTED implementation	