



Extrait du PI-GROUPE

<http://www.pi-groupe.net>

Projects

# PI-GROUPE, a project of inter-enterprise partnership

- ENGLISH - menuwrapper -

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PI-GROUPE

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**PI-GROUPE will articulate around three main projects :**

1. **The PI-LEARNING project** aiming to put an open platform worthy of a real Virtual Formation School in place to least cost, permitting to answer if need be vital of a reorientation RADICAL of the degree courses and pedagogies of formation in Senegal.
2. **The NIT-WORK project** aiming to put a real network of enterprises Partners in place in the domain of the computer engineering, and aiming to make collaborate and the different students of the Superior Schools of Management / Communication and the different students of the Schools of engineers in Data processing, Telecommunication and treatment of information, all around a platform of creation of Software packages of Management of enterprises based on the nomadism (telecommuting).
3. **The AFRO-GRID project** whose role is the setting up of a real system of calculation distributed.

### PI-LEARNING PROJECT

The setting up of an open platform worthy of a real Virtual Formation School to least cost, permitting to answer if need be vital of a reorientation RADICAL of the degree courses and pedagogies of formation in Senegal.

**Such a platform will have to :**

1. To assure its evolution to least cost via the last technologies concerning development, while using the tools free of rights (open sources), what corresponds to a complete respect of the laws in the sector of the data processing.
2. To be part of the family of the Web Services; that means that it should be accessible of where, some either the machine and the operating system used, under the condition to have Internet.
3. To assure a security advanced of the system to the level network, to the level server and to the level software package.
4. To assure the non disclosure of the confidential data (data base of the customer).
5. To assure the integrity of the data (not of erasing of the data bases, not of insertion of given external).
6. To assure the availability of the application (energizing independence counters the frequent cuts of electricity capable to cause the destruction of the servers).
7. To contain an administrative management offering the services of management of the staff employee, of management of the material of the establishment, of management of the schedules of the courses (by rooms, by matter, by teacher, by group, etc.), of management of the bulletins of wage of the employees and teachers, of management of the notes of the audiences (so-called pupils), of management of the wages of the audiences, of management of the financial partners of the establishment, etc.
8. To contain a virtual library (accessible and open to all audiences) permitting a natural selection in the time of the good and bad products (books, documents, reports, publications, newspapers, etc.); as a result of which will be able to be affiliated a representative note of the interest or the quality of the document, according to its nature.
9. To contain a real space of formation from afar for those that wish it, of type e-learning.

**PI-LEARNING** must allowed thus and to these students to work in a lucrative manner while remaining in their school degree course, and to the schools to open their fields of action toward the enterprises, and in PI-GROUP to throw its projects of implantation of the NTIC in Senegal in the sense of an improvement of the professional exchanges and inter cultural through the NIT-WORK project.

But the objective first of this project, the one the same that motivated our Efforts and our Mind, is to put in place to all price a strong project allowing all students of all social classes confounded to get involved in the studies without having money like gate, with an experience in the enterprise, definitely; either a luck for all and by all.

### NIT-WORK PROJECT

The setting up of a real project of enterprises Partners in the domain of the computer engineering aiming to make

collaborate and the different students of the Superior Schools of Management / Communication and the different students of the Schools of engineers or universities in Data processing, Telecommunication and treatment of information, all around the platform of creation of Software packages of Management of enterprises of type based ERP on the nomadism (telecommuting).

### **NIT-WORK PROJECT, A CONSEQUENCE OF THE PI-LEARNING PROJECT**

By the slant of cyber spaces and enterprises attached to the innovations, the setting up of network platforms energetically independent and developed in order to be the support of the platforms PI of virtual communities associated to the networks peer-to-peer, offer to the Senegalese citizens a real virtual space of work and exchanges.

This project aims to be the support of real services enterprises and staffs presented as software packages, containing of numerous functionalities (e-learning, e-boutiques, stands in lines, videoconferencings, television video, etc.) and belonging to one or several virtual communities targeted according to the activity of the moral or physical person. Some services will only be accessible to some collectivities (ex. the students).

#### **Such a partnership will allow :**

1. To the students to enter fully in the universe of the enterprises.
2. To the students of the two poles clarified above to confound themselves via a large-scale common project.
3. To the students of all classes confounded to go circa its shapes of teaching without constraint of money, thanks to work based on the collaboration under partnership with the school and PI-GROUPE.
4. To two universes of the enterprise often very distant one of the other to join itself and to understand itself.
5. To the schools partners to be different on the Senegalese and French market via their involvement on a project innovating and of shared interests economically and socially.
6. An open-mindedness and an example of NORTH-SOUTH SOUTH-NORTH project for the populations Senegalese and Frenchwomen.
7. To make stretch the MANY toward the FEW via a project of exchanges and based work on the collaboration.

#### **AFRO-GRID PROJECT**

### **AFRO-GRID PROJECT, A CONSEQUENCE OF THE NIT-WORK PROJECT**

The realization of the NIT-WORK project, via the cyber spaces and centers of formation, but also the personal computers that some individuals or enterprises can have in their possession, go allow PI-GROUPE thus, with the technology peer-to-peer to put a real project of calculation distributed in place, giving to Senegal an opportunity to impose itself on the international plan to the level of research and the development of the new technologies, while possessing its own network of terrific calculating.

#### **Besides, such a project will allow :**

1. To lower the global cost of the expenses progressively and imposed the micro payment establishing thus to middle and long term a harmonization of the costs.
2. To offer new services asking for strong capacities of calculations.
3. To detach itself of a certain dependence in the countries foreign to the profit of a bigger self-sufficiency in the domains of the scientific research and the development.