Comprehensive Expert System
for Information Capturing, Sharing and Managing
for Bio-source, Eco-tourism and Related Industries

Intensification of Research in Priority Areas (IRPA)
(Project Code: 51141)

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ACCOMMODATIONS ON ECO-TOURISM SITES

Background
An ES is a computing system capable of representing and reasoning about some knowledge rich domain, with a view to solving problems and giving advice. ES can advice, diagnose, analyse and categorise using previously defined knowledge base or collection of rules and facts. With the development of the existing ES for EIA research, the rich knowledge base can be further developed and utilised for bio-resource industry namely plantations, nature parks, forest reserve, etc. and eco-tourism industry namely hotels, resorts, chalets and other recreational activities where environment is the basis of the management. With the timely development, the ES can be used for information sharing between these two sectors and hence lead to an efficient and effective management.

Objectives
The specific objectives of the project is to develop an internet-base computer network system for sharing, distributing and managing the captured knowledge from the expert system for EIA research to bioresource, ecotourism and related industries.

Benefit
The acquired knowledge from the ES for EIA research would be applied in the bio-resource and the Eco-tourism industry, which need to work hand in hand to efficiently and effectively manage and sharing the existing information. The bio-resource industry covers namely the plantation sector, forest and park management and other bio-recreational activities. Whereas, the Eco-tourism sector included the service oriented industry namely the hotels, motels, resorts, chalet and even all ecologically friendly tourist attraction. Information sharing and an expert internet-base computerized system for both these sectors are crucial in our research contribution for the future of mankind and the environment

Outputs
1. Information sharing and utilization of the existing knowledge in the form of CD-ROM, Web, Training, etc.
2. New software for both the bio-resource and Eco-tourism sector to share information and better manage their system.
3. The system will be made available in the web for easy access of all related parties.

Grant Amount & Duration of Study

RM 500,000 / 1999-2003