1999/2000 HONOURS YEAR PROJECT PROPOSAL

Please return the completed form to Ms Cheryl Lee by 21 May 1999

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| Email : <u>hclau@krdl.org.sg</u> / <u>leonghw@co</u> | mp.nus.edu.sg |
| External Sponsors (<i>if any</i>) : | |
| Project Category (Please specify Hon or Hon | n/MSc) : Hon |
| Project Title : Spider (Service planning: inte | elligent design, evaluation and refinement) |
| Project Description (Hon-part followed by M | ISc-part (if any)) : |
| In Singapore today, 63% of the 7-million par projected daily trips will grow to 10 million, | ssenger trips made are on public transport (MRT and buses). By the year 2030, the , 75% of which is made on public transport. |
| Hence, providing an attractive public transport increase the attractiveness of public transport to existing services must be made in respons (a) commuter feedback and requests, (b) travel demand changes, and (c) proposals from the regulatory body. | ort system is the cornerstone of Singapore's land transport strategy. In order to t over private transport, the service lines must be well-planned. Moreover, changes to: |
| Spider is a project to develop an intelligent of evaluation and refinement of bus and MRT I (a) A UI Module for designing bus and MR (b) A Route Choice Module for determining (c) A Simulation Module for evaluating the | decision support software tool to assist public transport planners in the design, line services. The software tool will comprise 3 main modules: T services on the Singapore map. g the best way to travel between 2 points. quality of service lines with respect to its cost and demand coverage. |
| The deliverables are a technical design docu | ment, and a software tool executable on Windows environment. |
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