From university calendars to smart university administration*

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Abstract

A university campus is a good candidate to apply participatory sensing since its thousands of students actively use social networking sites and handheld devices. Our aim was to build services that can be used to infer some patterns regarding the operation of the community, so that the derived information can be included as a feedback in a new service offered for the community.

An application that aggregates useful information from several sources has been developed and published as a Web service (WS). Such information include timetable, various deadlines defined in the academic calendar, open hours of the faculty administration and staff, etc. Users can subscribe to events they are interested in. These interests are recorded by an Android based application and are subject to various data mining operations that can result in new services (like suggesting a practical order of activities to be done) which can be offered to the crowd. A prototype Web application working as a consumer of the Web service has also been developed that can be used to find the current courses held at the Campus [1].

Keywords: Smart Campus, Participatory Sensing, Calendar application, WS

References

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