Module title
Introduction to e-Governance and Smart City

<table>
<thead>
<tr>
<th>Module code</th>
<th>Level</th>
<th>Hours per week</th>
<th>ECTS credits</th>
<th>Duration</th>
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<tbody>
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<td>t.b.a.</td>
<td>Bachelor (B.Sc.) IN, IT</td>
<td>4</td>
<td>5</td>
<td>3 weeks block course + virtual lectures</td>
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Module instructor
Amitrajit Sarkar, Ara Institute of Canterbury, Christchurch, New Zealand

Lecture type
Literature reading, online consultations, in-class discussion, Virtual Forum

Prerequisite(s)
Basic knowledge of Information System.

Grading
Assignment (2), Weekly Participation (7 of 10 for a pass grade)

Objectives
There is now a need for new paradigms for cities’ governance, knowledge creation and economic development, supported by technology, in every aspect of human life.
At the end of this course:
- Students will be able to appreciate potential of big and open data in enhancing e-government services, openness, government transparency, citizen engagement, and the interaction between governments, citizens, and businesses.
- Students will be able to compare and evaluate technical, organizational, managerial, and socio-economic and policy related aspects of e-government implementation and adoption from both the government and citizen’s perspective.
- Students will be able to understand challenges to successful E-Government diffusion.
- Understand key themes and critique literature on current business analysis research.
- Students will have an understanding of topics such as smart grids and the Internet of Things, Big Data and collective intelligence for cities, ubiquitous sensing and public mobility.

Content

Textbook/teaching material
- Various eBooks on the topics and additional readings from journal articles and conference proceedings will be provided by the lecturer.

Note: this is not the official course descriptor according to the “Studien- und Prüfungsordnung” (SPO)