



Strategic Technology and Innovation Management Programme 2017

Roadmapping for Strategic Management of Intellectual Property (IP)

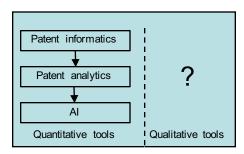
Tianyi Wang tw405@cam.ac.uk Intangible assets such as IP have now been attributed to somewhere in excess of 75 percent of the value of publicy traded companies.

Therefore, people could expect IP strategy to be a top priority for senior management. However, IP remains a poorly managed asset.

Aims

One of the reason for the problem is the misalignment between IP and overall business strategy. This project aims to deliver a management tool for facilitating IP management.

While quantitative tools are being developed rapidly, the qualitative tool remains rare for IP management. In this project, we propose using roadmapping as a suitable tool for aligning IP with strategy to maximise business value.

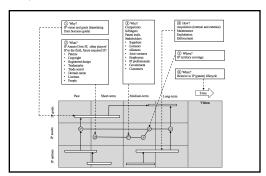


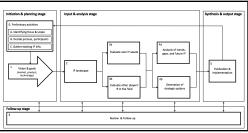
Progress

- The framework and process model were developed based on literature review, archival analysis, and exploratory interviews.
- The refinement is being carried out by interviewing with IP consultants, roadmapping experts, and companies' executives and IP managers.
- Further refinement will require incompany case studies.

Deliverables

The project delivers a conceptual framework and a process model. The steps have also been described in details.





Step	Prompts/Examples for Activity
Before	I. Review one reflective criters and utilities informatic connections, academic nerwork note which liberowing search and leading information, companies for search and leading information, consistent or the second control and control a
Vision & goals	 Identify the business goals, predicts to be developed, and required technologies for the firm of the type can be done in initiation and planning wage if technology roadmaps have already been available from the files. The step needs to be done prior to IP roadmapping if technology roadmaps are no available.
IP landscape	 Analyse the IP landscape of the relevant technologies, and freedom-to-operate studie earried out in preliminary activity.
Assessment of internal environment	It density the current state of the IP owned or licensed by the firm. Classify the passes into one and non-core (e.g., categories such as utilise, not likely to utilise and will not utilise). Identify the relevant askacholders in the management process (e.g., executives, II professionals, and inventors, etc.)
Assessment of external environment	Identify other players and their IP assets in the field. Identify competitors and alliances from these players.
Identification of future required IP	I. Identify the IP assets which will be required in the future, To close, the gaps of their own IP portfolio profile by innovation, in-licensing o purchasing; To block competitor's IP, or acquire bargaining chips for cross-licensing; To leverage patent system and litigation (patent troils).
Generation of strategic options	For each of thisse classes of P same (sweet, other pigers), and fother required), general corresponding registry and options. Owner Control
After	Convert the map into digital format using software Summarise the participants' comments into a supporting case report. Key issues highlighted by the participants are analysed as part of the case report. Key issues highlighted to the participants are analysed as part of the case report. Key issues have a provided to the participants to check for accuracy. Key issue that based on review and feetbook accordinately and salk the comments on the II

I am currently looking for companies who have interest in IP management to test the tool.