Introduction of K.I.T.
Geospatial Information Project
What is “Geospatial Information Project”? 

Research meeting to encourage the students project in 2005

College students should teach project theme to local elementary and junior high school students. “Camellia Kids” was started in 2008

But... motivation was not high

For the purpose of spreading an project to the local community

"Geospatial Information Project" was started in 2009

QZS WG, TLS WG

Geospatial Information Seminar

K.I.T .was chosen as a COC of MEXT in 2013
Outline of K.I.T. Geospatial Information Project (At the time of the start in 2009)

The “learning place” that can learn Geospatial Information from a Child to an Engineer

Science Program for Children

Education and Study for K.I.T. Students

Collaboration of industry and university for development of human resources

Collaboration of industry and university for research and developments

Education and Research Project

K.I.T.

Local Company

Local Citizen

K.I.T. provide opportunities to study for local citizens and local companies, which is called “The HUB of personal training”

Program for Engineer

-needs of Company

- To improvement of young engineer’s skill
- To expand territory of business for research and development.

K.I.T. Provide: Doctor course students, master course students, and undergraduate student participate. Professor advises to engineer relating to special knowledge and K.I.T. provide the opportunity of study for engineers.
Outline of WG and seminar under activity and work in process

The most important point is that the student participates in all programs

○ QZS(GPS of Japanese Version)WG (For Local Company)
  Actual experiment of Japanese version GPS, and the trial for new industrial creation for QZS.

○ Terrestrial Laser WG (For Local Company and Local Government)
  Although three-dimensional measurement is common, it is not applicable to a public survey. A public investigation manual is due to propose in collaboration with KIT and City office of Kanazawa.

○ Geospatial Information Seminar (For Citizen and Engineer)
  Introduction of advanced technology and new business. Presentation of professor, students and local company.

○ Science Seminar (For Children and Local Citizens)
  Science seminar “Camellia Kids” who experience the spatial information technology for the elementary and junior high school students of Nonoichi City. (The project was planned and managed by only students.)

○ BIM&CIM WG (Work in process: For Local Company)
  New WG of 3D technology for architecture and public survey.
K I T 空間情報プロジェクト

日本写真測量学会北信越支部共催
平成 25 年度 第 5 回空間情報セミナー
平成 26 年 1 月 17 日（金）14:00～
会場：金沢工業大学 23 号館 1F パフォーミングスタジオ

1. セミナー

■空間情報セミナー講演①（CPD ポイント付与対象）
講演タイトル「空間情報で迫る都市変容 — 新潟市中央区の一事例 —」
講師：朝日航洋株式会社 北陸空間情報支社 技術部
村上 桂山氏

…………休憩 10 分…………

■ K I T 空間情報研究室学生研究成果発表

15:00～15:50

各ブースにて研究室学生がポスターセッション形式で
研究成果報告や成果物の展示を行います。
研究室名・発表タイトル・発表者は次頁をご参照ください。

…………休憩 10 分…………

2. デモ会

…………16:00～16:50…………

3. 各室

…………16:50～17:20…………

※セミナー

Presentation of Students

【K I T 空間情報研究室学生研究成果発表】

■鹿田研究室
「北陸地区における準天頂衛星みちびきの L E X 信号を用いた実証実験」
関口 直朗 浦松 裕樹

「パノラマ写真を用いた本町通りの活性化」
藤原 和樹

■德永研究室
「U AV を用いた土木構造物の視認」
遠藤 翔太 五座 有祐

「準天頂衛星みちびきを利用した樹木位置の測定」
金津 彰人 西田 拓真

■土田研究室
「兼六園の庭園構成と音風景 AR 技術を用いた可視化・可聴化」
伊藤 祥平 永井 茂介 山口 直樹 荒井 大樹 上村 卓也

「金沢の河川用水の音風景の収集と散策マップの作成」
小堺 佑樹 芳沢 哲郎

■下川研究室
「センサーを用いた対話的なあかりオブジェのデザイン～金澤月見光路 2013」
平山 英幸 内堀 隆 緒橋 佑斗 河野 慎司 湊大 勇斗 白井 琢麻 廣瀬 覇騎

■神山研究室
「金沢レンタサイクル「まちのり」の走行距離に関する研究」
工藤 素之

「金沢市亀町交差点を対象とした屋外広告物の影響評価」
永井 卓也
Surveying I
Director of the Foundation for Information and Culture Promotion of Nonoichi city gives a lecture to KIT students about Camellia Kids programs and its subject.

Surveying II
KIT students try to teach a geospatial information technology (Knowledge studied in the Surveying I) to a elementary student. (Two or three selected team)

Environmental Planning
Various knowledge studied at the classroom is taught to local elementary and junior high school students.

Geoinformatics
By the special lecture of consultant engineers, students get practical example in a society and a power of execution to geospatial information technology.

Space Media
Various knowledge studied at the lecture is taught to local elementary and junior high school students.
Goals of student for WG and seminar

- Participation and presentation to a special information seminar. Students can study the high technology of spatial information technology. Moreover, the advice from a specialist can be obtained at the opportunity of a presentation. Students can discover a career path. Communications skills can be learned by collaboration with a local company.

- Plan and management of the science seminar for children. By the operation of a science seminar, and management, the student can have communications skills.

- Practical power is given by cooperation with a public utility foundation or a company. For considering the carrier path relevant to spatial information, student learns by collaboration with a member of society about the technical problem. By practicing, students are able to master basic ability to work in society.
Homepage of Camellia Kids

http://www.kanazawa-it.ac.jp/prj/kankyou/kameria/
Conclusions (by Keywords)

All theme of listed below include educational effects

- Collaboration of Industry-University
  QZS (Michibiki) WG
  Terrestrial Laser WG
  Geospatial Information Seminar

- Collaboration of Industry-Academia-Government
  Terrestrial Laser WG  (Apply to public surveying : Collaboration with Kanazawa City etc..)

- Collaboration for Local Area
  QZS (Michibiki) WG
  Terrestrial Laser WG
  Science Seminar (Camellia Kids)
Introduction of K.I.T. Geospatial Information Project

Thank you for your attention