TECH 646 Homework Assignment 1

Assigned date: Aug. 24, 2018 Due date: Monday, Aug. 30, 2018, before 5 PM, as an email attachment

Action/Question Item 1:

Conduct a Web research to find the definitions of the six keywords, also include credible sources/references, (web links with web page title)

- (1) Reporting study, (2) Descriptive Study, (3) Explanatory Study, (4) Predictive Study
- (5) Decision Support System, (6) Business Intelligence

Action/Question Item 2:

Do library search through two portals of PFW's Walter E. Helmke Library (login to goPfw)

- Articles Academic Search Premier
- E-Journal Finder & E-Book Finder

Find at least 5 papers/articles for each key word (30 articles/papers subtotal) and at least another 5 paper/articles through the combinations of two set of keywords (one from the first set of keyword, plus another one from second set of key words).

1) Prepare a list of articles/paper titles in the format similar to REFERENCES as shown below.

REFERENCES

(Last page of the report; in IEEE Format with examples for reference to data sheet, user manual, technical specification, technical documentation, books, conference papers, and papers)

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- [4] Crossbow, MICAz-Wireless Measurement System Product Data Sheet, 2005. [Online]. Available: http://www.xbow.com/Products/Product_pdf_files/Wirelss_pdf/MICAz_Datasheet.pdf. [Accessed: Oct. 2007]
- [5] C515C 8-bit CMOS Microcontroller, User's Manual, Siemens, 1997.
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- [9] Y.S. Kim, B.S. Soh, and S.G. Lee, "A new wearable input device: SCURRY," *IEEE Trans. Ind. Electron.*, vol. 52, no. 6, pp. 1490-1499, Dec. 2005.
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- [11] W. Hu, X. Xiao, D. Xie, T. Tan, and S. Maybank, "Traffic accident prediction using 3-D model-based vehicle tracking," *IEEE Trans. Veh. Technol.*, vol. 53. no. 3, pp. 677-694, May 2004.
- [12] W. van der Mark and D. Gavrila, "Real-time dense stereo for intelligent vehicle," IEEE Trans. Intell. Transp. Syst., vol. 7, no. 1, pp. 63-77.

- [13] M. Hunt et al., "Speed control design for an experimental vehicle using a generalized gain scheduling approach," *IEEE Trans. Control Syst. Technol.*, vol. 8, no. 3, pp. 381-395, May 2000.
- [14] M. F. Rasid and B. Woodward, "Bluetooth telemedicine processor for multichannel biomedical signal transmission via mobile cellular networks," *IEEE IEEE Info. Technol. in Biomed.*, vol. 9, no. 1, pp. 35-43, Mar. 2005.
- [15] Z. Doulgeri, and T. Matiakis, "A web telerobotic system to teach industrial robot path planning and control," IEEE Trans. Educ. vol. 49, no. 2, May 2006.
- [16] K. K. Tan and H. L. Goh, "Complete mobile e-mail management," in Proc. Int. Symp. Santa Caterina on Challenges in the Internet Interdisplinary Research, 2004, pp. 29-1-29-6.