The objective of the program is to expose participants to biochemical experimental operation and biochemical processing plants, and to let them make presentation about these events. Prof. Yasuo Yoshimi of SIT made a 30 min-speech titled “A Manner for Crossing Bridge to Understanding” at the opening address. Then they experienced fundamental experimental operations in the laboratories while studying advanced research of “electric nose” and photochemical biosensor using Rhodopsin (photosensitive protein). They also visited two chemical companies in Yilan County: One was the factory where Astaxanthin, an antioxidant, is produced using yeast modified by synthetic biological method in a large scale. Another factory was for vinegars and subproducts. Although these topics seemed to be difficult for undergraduate students, they appeared to deepen their knowledge through the final presentation and discussion.

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