

Decision of Institutional Certified Evaluation and Accreditation

National Institute of Technology, Numazu College complies with the Standards for the Establishment of Colleges of Technology and other relevant laws and regulations, and meets the Standards for Evaluation and Accreditation of Colleges of Technology set by NIAD-UE.

Good practices identified by the review committee include:

- The college's Cooperative Research and Development Center, in which joint research (53 projects) and commissioned research (3 projects), including the most advanced research, are actively conducted using the center's cutting-edge equipment, and practical and creative engineers familiar with industrial practices are developed in cooperation with local industrial circles through having students participate in these research projects as part of their graduation research or diploma course research, and giving them other opportunities such as internships at partner organizations of joint research,
- The "Step-up Practical Program for Manufacturing" targeted at students in their first to fifth years and designed taking into consideration the various needs of students, trends in academic developments, requests from society, *etc.*, in which the college provides, for example, internships, lectures on cutting-edge technologies, lectures for career enhancement, and classes on intellectual property rights in order to help students learn about manufacturing in the real world from multiple perspectives,
- The college's efforts to help students develop their creativity by using innovative educational methods through PBL-type lessons, in which groups of students are given design, production and presentation assignments and required to conduct their own research and design, with PBL-type lessons provided in all departments, for example, "Introduction of Mechanical Engineering," "Practice of Creative Design" and "Machine Design and Mechanical Drawing IV" in Mechanical Engineering; "Experiments in Electrical & Electronics Engineering IV" in Electrical and Electronics Engineering; "Design and Manufacturing of Electro-Mechanical System II" in Electronic Control System Engineering; "Creative Design" in Control and Computer Engineering; and "Introduction of chem. and biochem." in Chemistry and Biochemistry,
- "Diploma Course Experiment I and II: ITM Mechanical Engineering," in which students learn about planning prior to conducting experiments, specifically about effective ways of thinking to encourage creativity, such as generating ideas through

brainstorming and mind mapping and putting ideas together using the KJ method, and enhance their creativity and ability to solve problems, skills required for practical and creative engineers, by utilizing these ways of thinking in various experimental themes that include 1) mechatronics, 2) design and production of wind tunnels, 3) strength of materials and 4) production of heat exchangers,

- An extremely high employment rate (number of students employed/number of students seeking employment after graduation) for both the associate and diploma courses, with students employed in the manufacturing industry, at electricity/gas supply companies, transportation/communications companies, and other employment befitting of the engineers the college aims to educate; and an extremely high rate of students advancing to higher education (number of students advancing to higher education/number of students wishing to advance to higher education) for both the associate and diploma courses, with students advancing to engineering universities or graduate schools that are related to the students' associate/diploma courses,
- Using the results of evaluations by the Advisory Council on Administration and other bodies to revise academic programs, with the General Affairs Committee, according to the loop mechanism for work improvements, instructing the organizational units in charge to make improvements, adopting the opinions of outside experts as well, and compiling the “Revision of Academic Programs (Draft): Introduction of Cross-Department Mixed Classes and Interdisciplinary Education,” aimed at providing interdisciplinary education covering the fields of medicine and welfare, environment and energy, and materials with new functions, in response to changes in the social and economic environments, and
- Drawing up the college's own annual plan, which defines a total of 62 specific objectives according to the categories including education, research, social cooperation and management, grasping to what extent these objectives have been achieved, and conducting self-assessments with the General Affairs Committee (Self-Assessment Committee) giving each organizational unit an evaluation grade (A, B, C or D) according to the achievement of its objectives; and making public the results of the self-assessments through the college's website, reports by the Advisory Council on Administration, *etc.*

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