

### JGSEE 3 year Targets (2024-2026)

1. To increase research revenue to 70 million baht per year (10% increase from 2021-2023) and to increase the proportion of research collaborations with industrial or non-funding agency government sectors to 30% (20% increase from 2021-2023)
2. To maintain publication standards and increase the proportion of research publications in Q1-Q2 journals, as well as collaborative research with network universities and external organizations
3. To keep the number of students by 30 per year including both Degree Program and Non-degree Program formats (8% increase from 2021-2023)
4. To increase revenue from academic service activities to 4 million baht (25% increase from 2021-2023)

\*\*\* Additional based on the recommendations provided by the Professorial Board committee\*\*\*

5. Increase the research level from TRL 1-3 to TRL 4-6 for at least 3 processes/products
6. Generate tangible impact works in the form of technology transfer or problem-solving for at least 3 outputs/programs for the industrial sector or other external organizations

## JGSEE 3 year operation plans (2024-2026)

### Education and human resource development

1. **Revising curriculum to align with the interests and meet the needs of the country and the users of graduates\***
2. Collaborating in the development and implementation of joint programs with partner universities and networks both domestically and internationally
3. Seeking scholarships and thesis support funding to allocate to JGSEE students
4. Enhancing educational formats to embrace diversity, including short-term courses for up-skilling, re-skilling, and acquiring new skills for working individuals. Additionally, incorporating credit banking or micro-credentialing, and adjusting teaching methodologies to accommodate Outcome Based Education-Module (OBEM) and Blocked Course models, catering to the skill development needs of working professionals
5. Creating an environment conducive to learning and fostering research experiences and knowledge exchange among students, between students and researchers/faculty advisors/research groups, and between students and end-users of graduates

***\* Top Priority***

## JGSEE 3 year operation plans (2024-2026)

### Research

1. **Promoting academic strength and financial sustainability for each research group\***
2. Establishing long-term research and academic collaboration with government and private sector organizations, promoting Industry-University Linkages to foster long-term cooperation with industries in advancing the Thai industrial landscape.
3. Facilitating and overseeing research groups to conduct research aligned with the directions and goals of JGSEE/KMUTT and the country's needs by developing research roadmaps for each group/laboratory aligned with the organization's research direction, potential development plans, necessary expertise of individual researchers, and KPIs for each group/laboratory/person, in line with research funding management strategies to achieve organizational sustainability goals.
4. Creating internal mechanisms to efficiently drive knowledge and technology transfer within the organization, including establishing systems that facilitate collaborative research both internally and externally to JGSEE and consortiums to generate high-impact research.

**\* Top Priority**

## JGSEE 3 year operation plans (2024-2026)

### Academic Consulting Services

1. **Establishing management mechanisms to encourage units to receive academic services in various forms according to the needs of external organizations, with the goal of creating high impact work for the industry and ensuring the financial sustainability of JGSEE\***
2. Expanding the customer base and fostering connections with customer groups that seek to benefit from the knowledge and expertise of JGSEE
3. Advocating for central laboratories to adhere to ISO standards to diversify their analytical services and encouraging international and industry relations units to engage in more proactive activities

***\* Top Priority***