

# Field crossing ability education through physical education and practice in engineering education



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<b>Keywords</b>	IOT equipment, health care, exercise physiology, rugby football, sports game analysis		
<b>Technical Support Skills</b>	<ul style="list-style-type: none"> <li>▪ Match of active learning in engineering education (AL) and problem solution type learning (PBL)</li> <li>▪ Game analysis in rugby football</li> <li>▪ About a movement analysis in a sports site.</li> <li>▪ Health care using IOT equipment and measuring method of daily stress</li> </ul>		

## Research Contents

Exploring practical methods of nurturing interdisciplinary skills through health and physical education in engineering education and the evaluation method accompanying it. At the same time, we will pursue 'welfare' using IOT equipment to clear "daily stress measurement" by age.

At sports scenes, we conducted game analysis and motion analysis mainly through goal type, baseball type such as rugby football.

Furthermore, from the viewpoint of social welfare, we are conducting research on the influence of sports activities and leisure activities towards a low birthrate and aging society on the physical condition of the body, mainly on physical activity and learning activities using myoelectric sensors etc. We are carrying out research on physical fatigue from both sides and stress accompanying it. Based on these, practical research on the influence of actual sports activities and rehabilitation activities on the physical condition of the body.

## Available Facilities and Equipment
