

# Development of Teaching Materials about Electric Circuit and High Frequency Engineering



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**Keywords** Engineering Education, High Frequency Engineering, Electric Circuit

**Technical Support Skills**

- Measurement of High Frequency Device by Network Analyzer
- Making Electronic Circuit by Board Plotters or Printer
- Development of Electronic Circuit using Multifunctional Platform

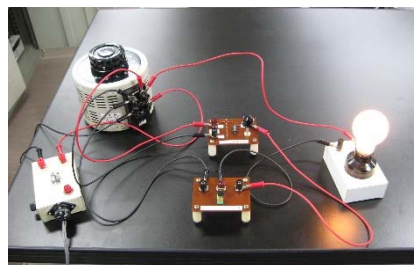
## Research Contents

## Development of Miniaturized and Advanced Electric Laboratory Kit

### •Development of Power Electronics Laboratory Kit



Traditional Lab Kit

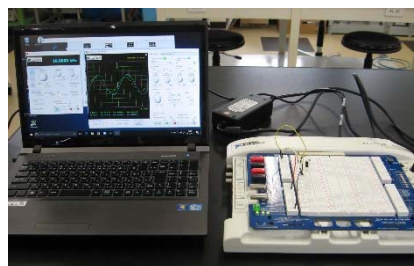


Miniaturized Lab Kit

### •Using Multifunctional Platform



Lab using Traditional Equipment



Lab using Multifunctional Platform

## Available Facilities and Equipment

|   |  |
|---|--|
| Network Analyzer (Agilent)                                  |  |
| Circuit Board Plotter (LPKF)                                |  |
| Circuit Printer (AgIC)                                      |  |
| Engineering Lab Platform NI ELVIS II (National Instruments) |  |
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