DESCRIPTION
Education institutions wishing to familiarize students with PCB techniques are forced to buy the expensive machines available in the market. GOTT has long been familiar with educational requirements and budgetary constraints. Accordingly a PCB Equipment set up is introduced which is an assemblage of tools, chemicals, jigs, fixtures and small equipment which has a do-it-yourself approach. This set up takes the students from the circuit schematic stage to final PCB.
GOTT supplies enough samples and materials along with the set up to fabricate CPB’s of 6”x4” size, corresponding to a class of 30 students with each student making 2 PCB’s.

PRODUCT MODULES

PCB DESIGN KIT
This consists of the design and material for designing 60 PCB’s for a class of 30 students. PCB Design Kit consists of circuit schematics & the following:
- Components such as Transistors, Diodes, IC’s for dimensional purposes, .............50 Nos.
- Copper Clad sheets cut to 6”x4” size ........ 60 Nos.
- PCB Drafting Stickers, Tapes ........ 2mm, 3mm IC Pads ........ 8 Pins
  Doughnut Pads ............ 5mm
  Transistors pads etc. to make ............ 60 PCB’s
- Plastic films cut to 7”x5” size ............ 60 Pcs.

PCB ETCHING MACHINE & ETCHENTS
It is required to etch the design after exposing, for this the set consists of the following :
- Etching Tank.
- Etching Trays etc.
- Chemicals required for etching, tinning etc.
- Small tools required sponges, brushes, gloves etc.
- Water bath etc. for washing after etching.
PCB INSPECTION STATION
This consists of the equipment and material used to design the PCB’s and then inspecting it after the PCB is made. It consists of the following:

- Illuminated Work Station .................... 1 No.

- Illuminated Magnifier PCB Checker .................. 1 No.
  (Magnifies the job kept under it to 2 times its size, two and half inch area is magnified)

- 10x Magnifier (Magnifier 10 times) .................... 1 No.

- Hole Dia checker, Checks the dia. of ..................... 1 No.
  Component leads from 0.5mm to 4mm.

PCB DRILLING STATION WITH STAND
After Etching the design holes are to be drilled for insertion of components. After checking the diameter of the hole to be drilled by using the hole dia checker provided earlier, one can drill the holes. This station consists of the following:

- High Speed motorized precision drilling machine.

- Small tools such as drill bits of various size, tweezers, cutters, pliers etc.

PROTOTYPE TESTING BREADBOARD
Component including:

<table>
<thead>
<tr>
<th>ITEM</th>
<th>UNIT</th>
<th>ITEM</th>
<th>UNIT</th>
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<tbody>
<tr>
<td>Test Board</td>
<td>1 ea</td>
<td>Regulator IC</td>
<td>20 ea</td>
</tr>
<tr>
<td>Plastic Parts Container</td>
<td>1 ea</td>
<td>Diodes</td>
<td>20 ea</td>
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<tr>
<td>Resistor</td>
<td>20 ea</td>
<td>General purpose IC</td>
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</tr>
<tr>
<td>Capacitor</td>
<td>20 ea</td>
<td>LED</td>
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</tr>
<tr>
<td>Inductor</td>
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<td>Potentiometer</td>
<td>20 ea</td>
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<tr>
<td>Transistor</td>
<td>20 ea</td>
<td>Connecting Wires</td>
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<tr>
<td>Bridge Rectifier</td>
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Manuals:
(1) All manuals are written in English
(2) Model Answer
(3) Teaching Manuals

General Terms:
(1) Accessories will be provided where applicable.
(2) Manuals & Training will be provided where applicable.
(3) Designs & Specifications are subject to change without notice.
(4) We reserve the right to discontinue the manufacturing of any product.

Warranty:
2 Years

ORDERING INFORMATION:

<table>
<thead>
<tr>
<th>ITEM</th>
<th>MODEL NUMBER</th>
<th>CODE</th>
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<tbody>
<tr>
<td>PCB DRAFTING AND FABRICATION SETUP</td>
<td>GOTT-PCB-FSU-01</td>
<td>210-001</td>
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