KARNATAK LAW SOCIETY'S
GOGTE INSTITUTE OF TECHNOLOGY
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Project report
On

"PORTABLE AND ECONOMICAL AUTOMATIC SCREEN PRINTING MACHINE"

Submitted in partial fulfillment of the requirement for the award of the Degree of **Bachelor of Engineering** in
ELECTRICAL & ELECTRONICS ENGINEERING

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Abstract:

A portable screen printing apparatus useful for printing designs, lettering, and numerals on garments and other articles containing novel screen holder assemblies which allow variable positioning of the thermal printing screen over the surface of the garment. The screen printing apparatus consists generally of a support base, four positionable screen holder assemblies hingedly affixed to a pivoting plate, an elevating plate, and a platform supporting the article to be printed on. Each screen holder assembly consists basically of a two panel telescoping frame endwardly affixed with a U-shaped channel. The channel is affixed with two thumb screws for securing the thermal frame portion of a thermal printing screen. The top telescoping panel with the U-shaped channel endwardly attached, can be extended longitudinally over the surface of the garment on the article platform. This allows a reduction in the size of the thermal printing screens, and therefore a reduction in costs, due to the positioning ability of the screen holders.