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A project Report on

"SYNERGYSTIC MASS IRONING PROCESS"

Submitted in the partial fulfilment of the requirements for the award of the Degree of
Bachelor of Engineering in Mechanical Engineering

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ABSTRACT

Synergistic mass ironing is a process in which the fabric get ironed under the action of heat and sufficient pressure conditions, as a result of which the wrinkles from the fabric get removed by absorbing the heat from a radiation method

The heat source used is Nichrome wire which Emits heat in the form of radiation under high power operating condition. The pressure is induced with the aid of special designed hangers made of wood with springs and stainless steel rod. The motor connected to the heat emitter rod ends help in propagating the heat from one end to the other end

The heat emitted is controlled by the wattage regulator, the pressure is taken care by the rod stiffness and the motor is run by electricity and the whole assembly is placed inside a rectangular section made up of stainless steel rods