

FINAL YEAR PROJECT

DESIGN AND FABRICATION OF PATTERN PLATE
FOR SHELL MOULDING USING CNC
(MILLING MACHINE)

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1.0.INTRODUCTION

Now a days the use of casting are more popular which replace much of the fabricated components. This shown the engineering component design and application as well as the properties has undergone a drastic positive development. Much of the credit can be attributed to this oldest form of metal deformation "The Casting Process" and of course not to forget the ever increasing list of engineering materials of superior quality. The fast development of the foundry has brought about much flexibility in the casting design and production. However the development within this industry was aimed to solve internal problems and constraints with respect to foundry materials, cost of production and high degree of dimensional accuracy and surface finish. In search for new process satisfy most of the demands the German Engineer.

"Cronning" . inverted the Cronning process, for the product of castings which was later known as the Shell Moulding Process.