

FABRICATION OF 360 DEGREE FLEXIBLE MULTI PURPOSE OPERATOR

**A PROJECT REPORT IN PARTIAL FULFILLMENT OF THE
REQUIREMENTS FOR THE
AWARD OF THE
DEGREE OF
BACHELOR OF TECHNOLOGY
IN
MECHANICAL ENGINEERING**

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CERTIFICATE

This project is to certify that report is entitled “**FABRICATION OF 360 DEGREE FLEXIBLE MULTI PURPOSE OPERATOR**” was carried out by **S.LAXMISRINIVAS (17815A0356), K.PRAVEEN KUMAR (17815A0318), CH.RAMUDU (17815A0309), S.MANIKANTA (17815A0361)** in partial fulfillment of the requirements for the award of the **Degree of Bachelor of Technology in “MECHANICAL ENGINEERING”** To JNTUK university at **AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY, NARSIPATNAM, during the academic years**

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ABSTRACT

360 DEGREE FLEXIBLE MULTI PURPOSE OPERATOR. Now a days, machines are widely controlled by embedded system. To meet the need of exploding population economic and effective control of machines is necessary. Our project even is rotated to easily drill at any direction. So that job setting operation is not complicated as well as reduces the setting time for the operation. It also takes into consideration the most effective method of controlling the drilling machine by manually. Materials like wood, plastic and light metals can be drilled with this. . The multipurpose operator has performed different operations according to our requirements with high possibility. Number of operations has been performed by a single drive system. Different operations like drilling, reaming, boring and brushing can be performed by this machine .The drilling machine is one of the most important machine tools in a workshop. In a drilling machine holes may be drilled quickly and at a low cost. The hole is generated by the rotating edge of a cutting tool known as the drill, which exerts large force on the work clamped on the table. Drilling is the operation of producing circular hole in the work-piece by using a rotating cutter called drill, the most common type of drill is the twist drill. The machine tool used for drilling is called drilling machine. The drilling operation can also be accomplished in a lathe, in which the drill is held in the tailstock and the work is held and rotated by a chuck. This angular drilling is performed for Different Angle Drilling in the working job. Indexing Plate and Up/down mechanism is available in this Angular Drilling Machine.