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<p>(51) International classification :G08C0017020000, F16H0025200000, H02K0007060000, A63H0029220000, A61L0009140000</p> <p>(86) International Application No :PCT// Filing Date :01/01/1900</p> <p>(87) International Publication No :NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71) Name of Applicant : 1)Malla Reddy Engineering College (Autonomous) Address of Applicant :Dulapally Road, Maisammaguda (Post) via. Kompally, Secunderabad, Hyderabad, Rangareddy District, Telangana – 500100, India -----</p> <p>Name of Applicant : NA Address of Applicant : NA</p> <p>(72) Name of Inventor : 1)BETHI SANEETH Address of Applicant :Malla Reddy Engineering College (Autonomous) Dulapally Road, Maisammaguda (Post) via. Kompally, Secunderabad, Hyderabad, Rangareddy District, Telangana – 500100, India. -----</p> <p>2)MIDDELA AJAY Address of Applicant :Malla Reddy Engineering College (Autonomous) Dulapally Road, Maisammaguda (Post) via. Kompally, Secunderabad, Hyderabad, Rangareddy District, Telangana – 500100, India. -----</p> <p>3)EGGAM GAYATRI Address of Applicant :Malla Reddy Engineering College (Autonomous) Dulapally Road, Maisammaguda (Post) via. Kompally, Secunderabad, Hyderabad, Rangareddy District, Telangana – 500100, India. -----</p> <p>4)GOKAM DINESH Address of Applicant :Malla Reddy Engineering College (Autonomous) Dulapally Road, Maisammaguda (Post) via. Kompally, Secunderabad, Hyderabad, Rangareddy District, Telangana – 500100, India. -----</p> <p>5)Dr A Raveendra Address of Applicant :Malla Reddy Engineering College (Autonomous) Dulapally Road, Maisammaguda (Post) via. Kompally, Secunderabad, Hyderabad, Rangareddy District, Telangana – 500100, India. -----</p> <p>6)Dr Halesh Koti Address of Applicant :Malla Reddy Engineering College (Autonomous) Dulapally Road, Maisammaguda (Post) via. Kompally, Secunderabad, Hyderabad, Rangareddy District, Telangana – 500100, India. -----</p> <p>7)Dr. A. Paul Praveen Address of Applicant :Malla Reddy Engineering College (Autonomous) Dulapally Road, Maisammaguda (Post) via. Kompally, Secunderabad, Hyderabad, Rangareddy District, Telangana – 500100, India. -----</p> <p>8)Dr. M. Vijay Kumar Address of Applicant :Malla Reddy Engineering College (Autonomous) Dulapally Road, Maisammaguda (Post) via. Kompally, Secunderabad, Hyderabad, Rangareddy District, Telangana – 500100, India. -----</p>
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(57) Abstract :

7. ABSTRACT An automatic book placing apparatus comprises of worm gear assembly, 6 DC volt gear motors (106), HC-05 bluetooth module (110), micro controller (104), L298N motor driver (108) and battery (102). The HC-05 bluetooth module (110) is used in transparent wireless communication and said L298N motor driver (108) is a motor allows speed and direction control of two DC motors (106) at an instance. The DC motors (106) of 5 to 35 volts of voltage and current of 2 amps are driven by the motor (108). The said micro controller (104) is used for receiving the signals and sending the digital outputs for movements and directions. The micro controller (104) converts the analog signals into digital signals. The worm gear assembly consists a spiral threaded shaft that engages a toothed wheel. The said worm gear converts the rotational movement by 90 degrees and changes plane of movement. The worm gear assembly transmits motion and power by rotating on shafts at right angles to one another. Figure associated with Abstract is Fig. 1

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