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(54) Title of the invention : REINFORCING BAR WINDING DEVICE

(51) International classification	:E04G0021120000, E04C0005160000, H04R0029000000, B21F0001040000, G16H0040670000	(71) <b>Name of Applicant :</b> <b>1)Chandigarh Group of Colleges, Jhanjeri</b> Address of Applicant :State Highway 12A Jhanjeri, Sahibzada Ajit Singh Nagar, Punjab-140307, India. Punjab India
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)Manbir Kaur</b>
(33) Name of priority country	:NA	<b>2)Dr. Vikas Verma</b>
(86) International Application No	:NA	<b>3)Kushdeep Singh</b>
Filing Date	:NA	<b>4)Syed Mohd. Arif</b>
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(57) Abstract :

The present invention relates to a reinforcing bar winding device comprising of, a body 1 crafted with plurality of crawler wheels 2, for assisting in movement of the body 1, an ultrasonic sensor for detecting the obstructions in path, plurality of telescopic rods 3 for lifting the body 1, a base 4 with a winding unit 5 having two portions 6,7 to fastens reinforcing bars the first portion 6 is oriented in downwards direction and the second portion 7 is protruded in upwards direction, a motorized spool 8 with a steel wire 9 for fastening the bars, a pair of guiding rollers for providing a track to pass the wires 9, a fastening unit for fastening the released wire 9 on the bars, the cutter cuts the wires 9 following fastening, an Artificial intelligence (AI) camera 10 for performing real time monitoring and generating a command signals to the winding unit 5. Ref Figure 1

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