

(54) Title of the invention : INL- HUMANOID ROBOT: INTELLIGENT HUMANOID ROBOT THAT INCLUDES A TORSO, A PAIR AN ARMS, TWO HANDS, A NECK, HEAD, AND LOGIC.

<p>(51) International classification</p> <p>(31) Priority Document No</p> <p>(32) Priority Date</p> <p>(33) Name of priority country</p> <p>(86) International Application No Filing Date</p> <p>(87) International Publication No</p> <p>(61) Patent of Addition to Application Number Filing Date</p> <p>(62) Divisional to Application Number Filing Date</p>	<p>:B25J 5/00</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p>	<p>(71)Name of Applicant :</p> <p>1)Dr.C. TARA SASANKA (ASSISTANT PROFESSOR) Address of Applicant :DEPT. OF MECHANICAL ENGINEERING, RVR&JC COLLEGE OF ENGINEERING (A) CHOWDAVARAM, GUNTUR-522019, INDIA. Ph: 9966431000 E-mail: tarasasankac@gmail.com Andhra Pradesh India</p> <p>2)Dr. V. RAMAKOTESWARA RAO (ASSOCIATE PROFESSOR)</p> <p>3)Dr. REDDY SREENIVASULU (ASSOCIATE PROFESSOR)</p> <p>4)G. KISHORE CHOWDARI (ASSISTANT PROFESSOR)</p> <p>5)CH DEVA RAJ (ASSISTANT PROFESSOR)</p> <p>6)Dr V. TARA CHAND (ASSISTANT PROFESSOR)</p> <p>7)J. RANGA RAYA CHOWDARY (ASSISTANT PROFESSOR)</p> <p>8)J. PURUSHOTTAM KARTHIK (ASSISTANT PROFESSOR)</p> <p>9)SNEHA. H. DHORIA (ASSISTANT PROFESSOR)</p> <p>10)Y.N.V. SAIRAM (ASSISTANT PROFESSOR)</p> <p>11)KILARI SNEHITA (ASSISTANT PROFESSOR)</p> <p>12)D. BHARATH PRASANNA (ASSISTANT PROFESSOR)</p> <p>(72)Name of Inventor :</p> <p>1)Dr.C. TARA SASANKA (ASSISTANT PROFESSOR)</p> <p>2)Dr. V. RAMAKOTESWARA RAO (ASSOCIATE PROFESSOR)</p> <p>3)Dr. REDDY SREENIVASULU (ASSOCIATE PROFESSOR)</p> <p>4)G. KISHORE CHOWDARI (ASSISTANT PROFESSOR)</p> <p>5)CH DEVA RAJ (ASSISTANT PROFESSOR)</p> <p>6)Dr V. TARA CHAND (ASSISTANT PROFESSOR)</p> <p>7)J. RANGA RAYA CHOWDARY (ASSISTANT PROFESSOR)</p> <p>8)J. PURUSHOTTAM KARTHIK (ASSISTANT PROFESSOR)</p> <p>9)SNEHA. H. DHORIA (ASSISTANT PROFESSOR)</p> <p>10)Y.N.V. SAIRAM (ASSISTANT PROFESSOR)</p> <p>11)KILARI SNEHITA (ASSISTANT PROFESSOR)</p> <p>12)D. BHARATH PRASANNA (ASSISTANT PROFESSOR)</p>
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(57) Abstract :

ABSTRACT Our Invention • INL- Humanoid Robot is a humanoid robot that includes a torso, a pair of arms, two hands, a neck, a head and a logic. The invented INL- Humanoid Robot is also the torso extends along a primary axis and presents a pair of shoulders. The pair of arms movably extends from a respective one of the pair of shoulders. The invented INL- Humanoid Robot Each of the arms has a plurality of arm joints and the neck movably extends from the torso along the primary axis. The invented is also includes the neck has at least one neck joint. The head movably extends from the neck along the primary axis. The invented is also includes the head has at least one head joint. The shoulders are canted toward one another at a shrug angle that is defined between each of the shoulders such that a workspace is defined between the shoulders. The invented INL- Humanoid Robot is also provided that includes a torso, a pair of arms, a pair of hands, and a skin layer and the torso extends along a primary axis and presents a pair of shoulders. The invented INL- Humanoid Robot the pair of arms movably extend from a respective one of the pair of shoulders and the shoulders are canted toward one another at a shrug angle defined between each of the shoulders such that a workspace is defined between the shoulders. Each of the arms has a plurality of arm joints and the hands are operatively connected to a respective one of the arms. Each of the hands includes at least five fingers such that each hand has at least 18 degrees of freedom. The skin layer substantially covers the robot.

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