(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/04/2023

(21) Application No.202341027240 A
(43) Publication Date : 05/05/2023

(54) Title of the invention : ELIMINATING HUMAN ERROR IN SURGICAL PROCEDURES WITH A ROBOTIC CHECKPOINT SYSTEM

(51) International classification :A61B 340000, A61B 342000, A61B 343000, G06F 111400, G16H 204000
(86) International Application No :PCT//
Filing Date :01/01/1900
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)SREENIDHI INSTITUTE OF SCIENCE AND TECHNOLOGY
Address of Applicant :Yamnampet (Village), Ghatkesar (Mandal), Hyderabad-501301, Telangana ---------- ----------
Name of Applicant : NA
Address of Applicant : NA
(72)**Name of Inventor :**
1)ABHIRAM KATURI
Address of Applicant :SNIST- Yamnampet, Ghatkesar, Telangana 501301 Ghatkesar ---------- ----------
2)DR. MANU GUPTA
Address of Applicant :SNIST- Yamnampet, Ghatkesar, Telangana 501301 Ghatkesar ---------- ----------
3)DR. D. MOHAN
Address of Applicant :SNIST- Yamnampet, Ghatkesar, Telangana 501301 Ghatkesar ---------- ----------

(57) Abstract :
To prevent human errors during surgeries, a robotic sentry system (100) has been developed to act as a checkpoint. The system (100) ensures that patient identification, preparation, and communication are accurate before any procedure commences. The system (100) includes an AI-based camera (108), sensors (110), a display (112), a controller (114), a speaker (116), and multiple user devices (104a-104n) to receive and transmit patient information to various healthcare providers. The goal of the system (100) is to provide an efficient and accurate way to collect and process patient information and to eliminate human error during surgical procedures. By using the robotic sentry system(100), medical professionals can identify and prevent mistakes in patient identification, disease, procedure, and medical history checklists.

No. of Pages : 22 No. of Claims : 5