

Office of the Controller General of Patents, Designs & Trade Marks Department of Industrial Policy & Promotion, Ministry of Commerce & Industry, Government of India

(http://ipindia.nic.in/index.htm)



(http://ipindia.nic.in/index.htm)

Application Details			
APPLICATION NUMBER	202141006551		
APPLICATION TYPE	ORDINARY APPLICATION		
DATE OF FILING	17/02/2021		
APPLICANT NAME	VALLURUPALLI NAGESWARA RAO VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY		
TITLE OF INVENTION	TRANSPARENT AND USER-FRIENDLY BILLING SYSTEM, METHOD AND PROCESS TOWARDS SMART GOVERNANCE		
FIELD OF INVENTION	COMPUTER SCIENCE		
E-MAIL (As Per Record)	ravirlyfan@gmail.com		
ADDITIONAL-EMAIL (As Per Record)	ravirlyfan@gmail.com		
E-MAIL (UPDATED Online)			
PRIORITY DATE			
REQUEST FOR EXAMINATION DATE			
PUBLICATION DATE (U/S 11A)	26/02/2021		

Application Status		
APPLICATION STATUS	Awaiting Request for Examination	
	View Documents	



In case of any discrepancy in status, kindly contact ipo-helpdesk@nic.in

(19) INDIA

(22) Date of filing of Application :17/02/2021 (43) Publication Date : 26/02/2021

(54) Title of the invention : TRANSPARENT AND USER-FRIENDLY BILLING SYSTEM, METHOD AND PROCESS TOWARDS SMART GOVERNANCE

(51) International classification	H04L0029060000, H04L0029080000, G01D0004000000, G06Q0020100000	(71)Name of Applicant: 1)VALLURUPALLI NAGESWARA RAO VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY Address of Applicant: Vignana Jyothi Nagar, Pragathi Nagar,
(31) Priority Document No	:NA	Nizampet (S.O), Hyderabad- 500090, Telangana State, India
(32) Priority Date	:NA	Telangana India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)Dr. S. Nagini
Filing Date	:NA	2)Mrs. Somavarapu Jahnavi
(87) International Publication No	: NA	3)Dr. G. Ramesh Chandra
(61) Patent of Addition to ApplicationNumberFiling Date	:NA :NA	4)Dr. Deepak Sukheja 5)Dr.Niranjan Shrivastava 6)Dr. Umesh Kumar Singh
(62) Divisional to Application Number	:NA	7)Mrs. Tejaswi Potluri
Filing Date	:NA	

(57) Abstract:

Nowadays, residential houses, commercial shops, and industries are connected to the utility meter working as an intermediate operator. Meter calculates total consumption, and service providers generate bill according to customers meter reading. Normally, this is a kind of agreement between consumers and services providers. The existing process to monitor the utility meter is not trustworthy. Therefore, a secure and transparent user-based system and process for monitoring utility meter is required. To satisfy users and services provider requirement, we have designed a well proof, multilevel checks and user based transparent system. Designed system deals with client server architecture, mobile based application, image processing, real time object identification and speech validation systems to minimize the error and improve trust on the system. The system also deals with smart city, green computing, and smart governance and allows utility service providers to obtain real time metering information from consumers directly in trust worthy manner.

No. of Pages: 15 No. of Claims: 5