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GOVERNMENT OF INDIA
पेटेंट कार्यालय
THE PATENT OFFICE
पेटेंट प्रमाणपत्र
PATENT CERTIFICATE
(Rule 74 of The Patents Rules)

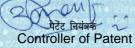|		
पेटेंट सं. / Patent No.	:	412679
आवेदन सं. / Application No.	:	5246/CHE/2012
फाइल करने की तारीख / Date of Filing	:	17/12/2012
पेटेंटी / Patentee	:	VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

प्रमाणित किया जाता है कि पेटेंटी को, उपरोक्त आवेदन में यथाप्रकटित AN INTEGRATED COMPUTING SYSTEM AND A PROCESS TO GENERATE THE DRIVER SAFETY INDEX FOR PREVENTING AUTOMOBILE ACCIDENTS नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख दिसम्बर 2012 के सत्रहवें दिन से बीस वर्ष की अवधि के लिए पेटेंट अनुदत्त किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled AN INTEGRATED COMPUTING SYSTEM AND A PROCESS TO GENERATE THE DRIVER SAFETY INDEX FOR PREVENTING AUTOMOBILE ACCIDENTS as disclosed in the above mentioned application for the term of 20 years from the 17th day of December 2012 in accordance with the provisions of the Patents Act,1970.

अनुदान की तारीख :
Date of Grant : 28/11/2022

पेटेंट नियंत्रक
Controller of Patent

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

Application Details

APPLICATION NUMBER	5246/CHE/2012
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	17/12/2012
APPLICANT NAME	**VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY**
TITLE OF INVENTION	AN INTEGRATED COMPUTING SYSTEM AND A PROCESS TO GENERATE THE DRIVER SAFETY INDEX FOR PREVENTING AUTOMOBILE ACCIDENTS
FIELD OF INVENTION	COMMUNICATION
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REPLY TO FER DATE	28/02/2020

Application Status

APPLICATION STATUS

Granted Application, Patent Number :412679

| E-Register | | Order(s)/Decision(s) | View Documents |

➡ Filed ➡ Published ➡ RQ Filed ➡ Under Examination

➡ Disposed

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

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(54) Title of the invention : AN INTEGRATED COMPUTING SYSTEM AND A PROCESS TO GENERATE THE DRIVER SAFETY INDEX FOR PREVENTING AUTOMOBILE ACCIDENTS

(51) International classification	:G08G1/00	(71)**Name of Applicant :**
(31) Priority Document No	:NA	1)**VNR VIGNANA JYOTHI INSTITUTE OF**
(32) Priority Date	:NA	**ENGINEERING AND TECHNOLOGY**
(33) Name of priority country	:NA	Address of Applicant :BACHUPALLY, NIZAMPET (S.O),
(86) International Application No	:NA	HYDERABAD - 500 090 Andhra Pradesh India
Filing Date	:NA	(72)**Name of Inventor :**
(87) International Publication No	: NA	1)**DR. C. DHANUNJAYA NAIDU**
(61) Patent of Addition to Application Number	:NA	2)**DR. D. NAGESWARA RAO**
Filing Date	:NA	3)**DR. N. BALAJI**
(62) Divisional to Application Number	:NA	4)**DR. DEVI PRASAD**
Filing Date	:NA	

(57) Abstract :
The invention relates to an integrated computing system to generate a Driver Safety Index (DSI) for preventing automobile accidents, comprising an accelerometer module having a 3-axis accelerometer sensor generating linear and lateral acceleration or deceleration signals receiving the data from the sensor and, comparing the received data with pre-stored data (threshold valves) in an internal storage device; a processing unit acquiring audio and video signals from a microphone and a web camera; a Global positioning system (GPS) sensor providing the Global positioning System (GPS) data relating to the traffic road condition and vehicle speed to the processor; a Bluetooth module providing vehicle parameters such as engine RPM, fuel pressure, mass air flow, and braking oil pressure; wherein the accelerometer module upon detection of any of the signal values exceeding the threshold value, an event is detected and logged in with a simultaneous audio alert to the driver, wherein the camera module upon detection of an event records the corresponding video for 10 seconds prior to the event log-in and for 10 seconds post-event detection, and wherein on arrival of the vehicle at destination, the event data are analyzed to produce a driver safety index for transmission to the central server.

No. of Pages : 14 No. of Claims : 2