

Tracking Alcoholic Driving Using With Artificial Intelligence and IoT Devices

M. Ramprasad, K.Srinivas, T.Gangadhar

Abstract: Now a day's many people died in accidental cases on road side because the reasons are mainly two they are one is drunk and drive another reason is rash driving of the public, many of the public don't have the awareness of safe ride and traffic rules and careless about the punishment of the rules breaking in driving so that many people died in road accidents. In this paper we have discussed if drunk and drive the vehicle that vehicle is tracking and monitoring to safely reach the home without any accident using the artificial intelligence and IoT devices, sometimes drivers are heavily drinking and rash driving or any one reason the vehicle is out of control then quickly given the information to near police station or traffic police then police reacts quickly to stop the vehicle these way to help the prevent the accidents using the artificial intelligence and IoT devices

I. INTERDUCTION:

In olden days people can travel one place to another place using their legs that's mean by walk, then after some days people using animals for example horses , buffalos etc, then after people are thinking and invented the bicycle, scooter, cars, ships, airplanes etc are developed by people to the our

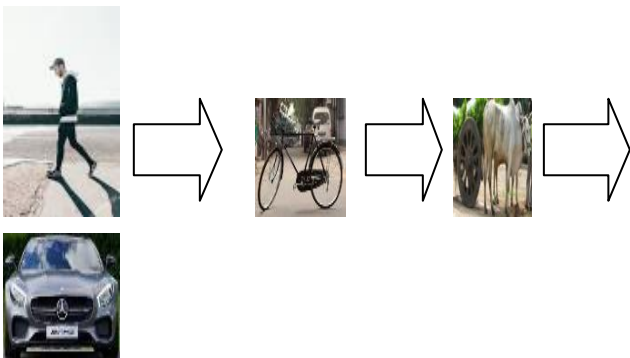


Fig: This way human day to day increasing the mechanisms for the purpose of transporting
The above fig we discuss that human can developed day to day in mechanisms technology for the purpose of transporting and some other works but these human can damage the property and other human life using drunken

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condition mainly so that we discuss the some type technology these technology using if driver is drunken

convenient to travel one place to another place and using some works also, but why here discuss the those things, first people are thinking these things are reached the our destination as soon as possible so that people are prefer these things but sometimes people are uncontrolled condition that mean people are drunken condition driving the vehicles so that sometimes accidents on the roads , if accidents the on the road people are died and govt or private property and another people are also dies without involvement the died person ,in olden days people are drunken but reached the destination using their legs and sometimes using their animals . So that animals are know the way of his owner destination and animals also known that way these reason using the animals in olden days, people also safe to reach the destination but now a day's mechanisms are developed these mechanisms using people sometimes damage the people life and property also, we discussed the artificial intelligence and IoT devices solving the these type of problems some extent not totally, these technology better performing in our problems.

position then identify the position of driver that is his brain, body condition using alcoholic detector then given some instruction to safe mode driving to reach the destination. Our aim is every drunken human has reached safely, the government slogan don't drunk and drive upcoming remove this slogan tried the our team.

II. ARTIFICIAL INTELIGENCE:

Artificial intelligence sometimes called machine intelligence, it is working similar to human brain system, but here different is machine is respond to like human. Human brain working as some commands from human nerve system, each and every instruction gets the brain from her nerve system similar manner artificial intelligence also working. In the artificial intelligence write the all instruction in programming language these program language get the all inputs real world situations. In this system get all type of inputs like text, speech, physics and real time weather conditions , robot language, human language and how human can responds at the time of situation similarly machine can respond that type can write the programming in artificial intelligence system. This system very use full to humans if some time human cant responds situation that time artificial intelligence system can respond for example people can drive the vehicle some time eyes are closed and get a sleep mode that time vehicle is running that vehicle is goes to uncontrolled the human that time artificial intelligence system activated and take a driving mode system , that mode recognized the real time conditions and drive the vehicle and reach the destination.



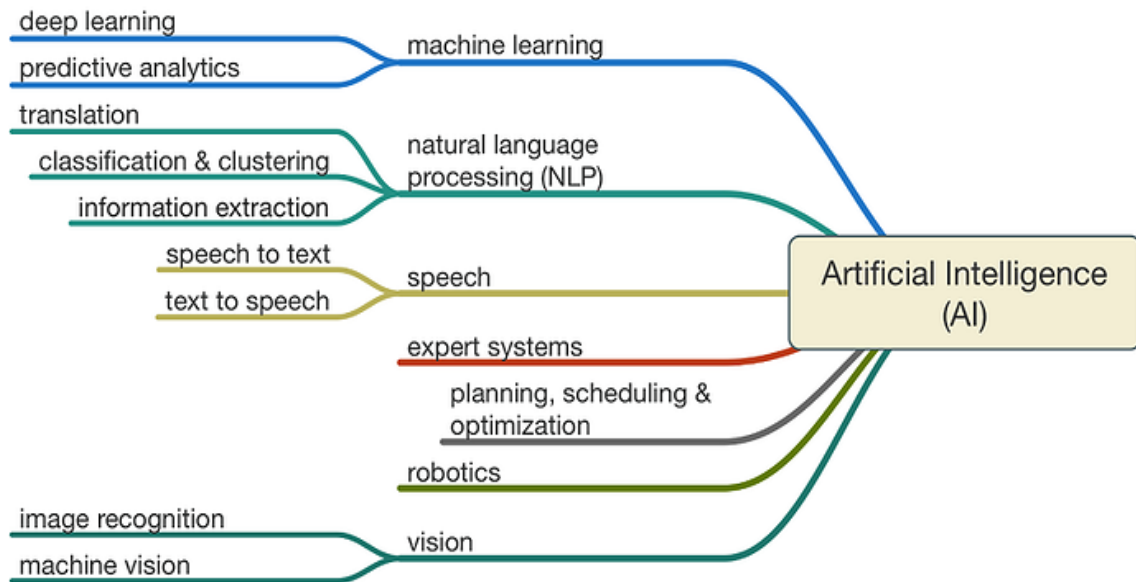


FIG: artificial intelligence architecture

The above figure is artificial intelligence architecture, in that architecture gave the instruction like machine learning , natural language processing, speech, expert systems, planning, scheduling & optimizations, robotics, vision. In this system architecture gave all real time conditions , mechine learning is like a programming languages, natural language processing is like languages that languages translation to device comfotably , vision is like image reconnition and that image is real image or some other image also recognition these system, these type of programming writing in the artificial intelligence system. The artificial intelligence system working as a human

working system as well as machine working system so that type of system most use full for now a days .

III. IoT ARCHITECTURE:

Now a day's IoT is most familiar technology in the world. This IoT can be change in the communication system. IoT means internet of things, smart cars, smart homes, smart cities, everything around us can be tuned into smart device with help of internet of things. Internet of things is a network of devices which can observe, accumulate and transfer data over the internet without any human intervention.

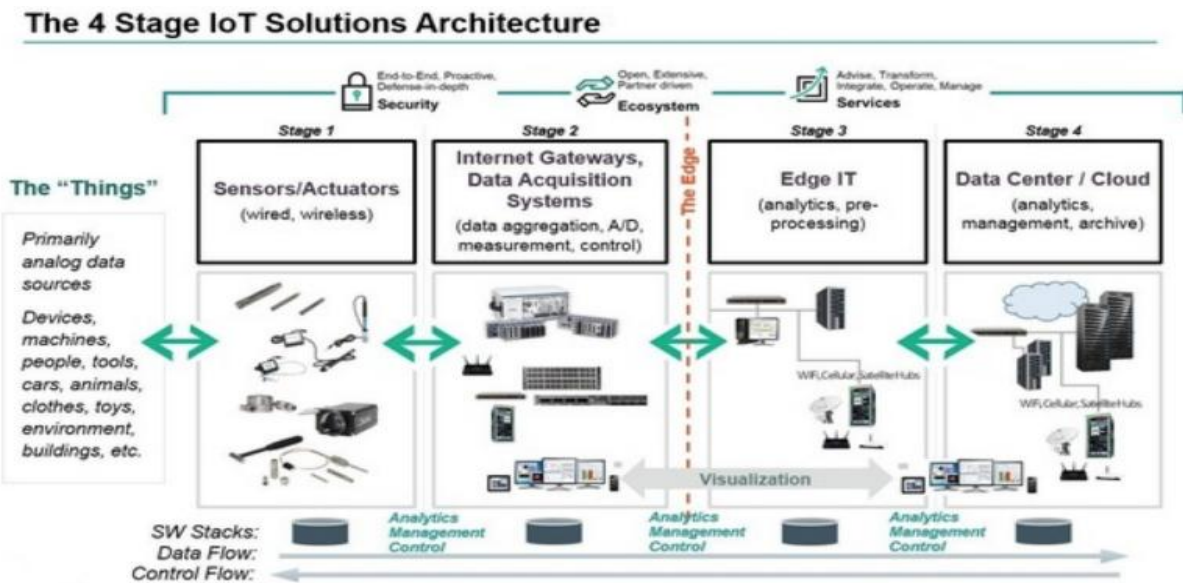


FIG: IoT Architecture Diagram

The above figure is IoT architecture , in this architecture have mainly 4 stages, these four stages helpful to the data transfer one point to another point without any human intervention.

IV. SENSORS/ACTUATORS:

Sensors collect data from the environment. Actuators can also intervene to change the physical conditions that generate the data. Sensors /Actuators collect data these data can be primarily analog data sources, these data sources from like people, tools, machine device, cars, animal etc. Sensors can do these data can be converted into our required module that is digital module, so that collecting data can be converted in to digital.

DATA ACQUISITION SYSTEM, INTERNET GATEWAYS:

The data acquisition system connects to the sensor network and analog to digital conversion, the internet gateways receives the aggregated and digitized data and routes it over wireless internet. Data acquisition system processing the data that data is taken from sensors output, that data can be transfer the next level that level is edge IT, basic gateway functionality is adding such capabilities of analytics, malware protection and data management services. Internet gateways is always contact with sensors and data can be processing this is the major work in this stage.

EDGE IT:

In this stage the data is purely digitized and that data is transfer to the further process , that process is analytical process and preprocessing system, in this stage we required the IT services that means internet devices like routers , some programming devices, data can be transfer from the sources using the internet devices.

THE DATA CENTER AND CLOUD: The data center and cloud do the job is analytics, management, archive . These three jobs done by in this stage, first transfer the data using internet device, the transfer data can store in data centers, then data centers using the cloud system data can transfer anywhere without human intervention, these total process can performed by security and ecosystems. The data centers and cloud system using any data any time any where can be controlled or transfer the data also.

APPLICATIONS:

Smart homes

Remote access cars

Agriculture

Industrial purpose etc

V. DESIGN AND IMPLIMENTATION:

In this paper we discussed the alcoholic person's safe to reach the destination with out damage the property and other life's, so that we designed such way. In the design key role of components are alcoholic detecting sensor, AI devices and internet devices. First alcoholic person started the vehicle that time check the alcoholic percentage of in her blood, then this statement is recorded in AI devices and vehicle number and position information is capture by the near street camera.

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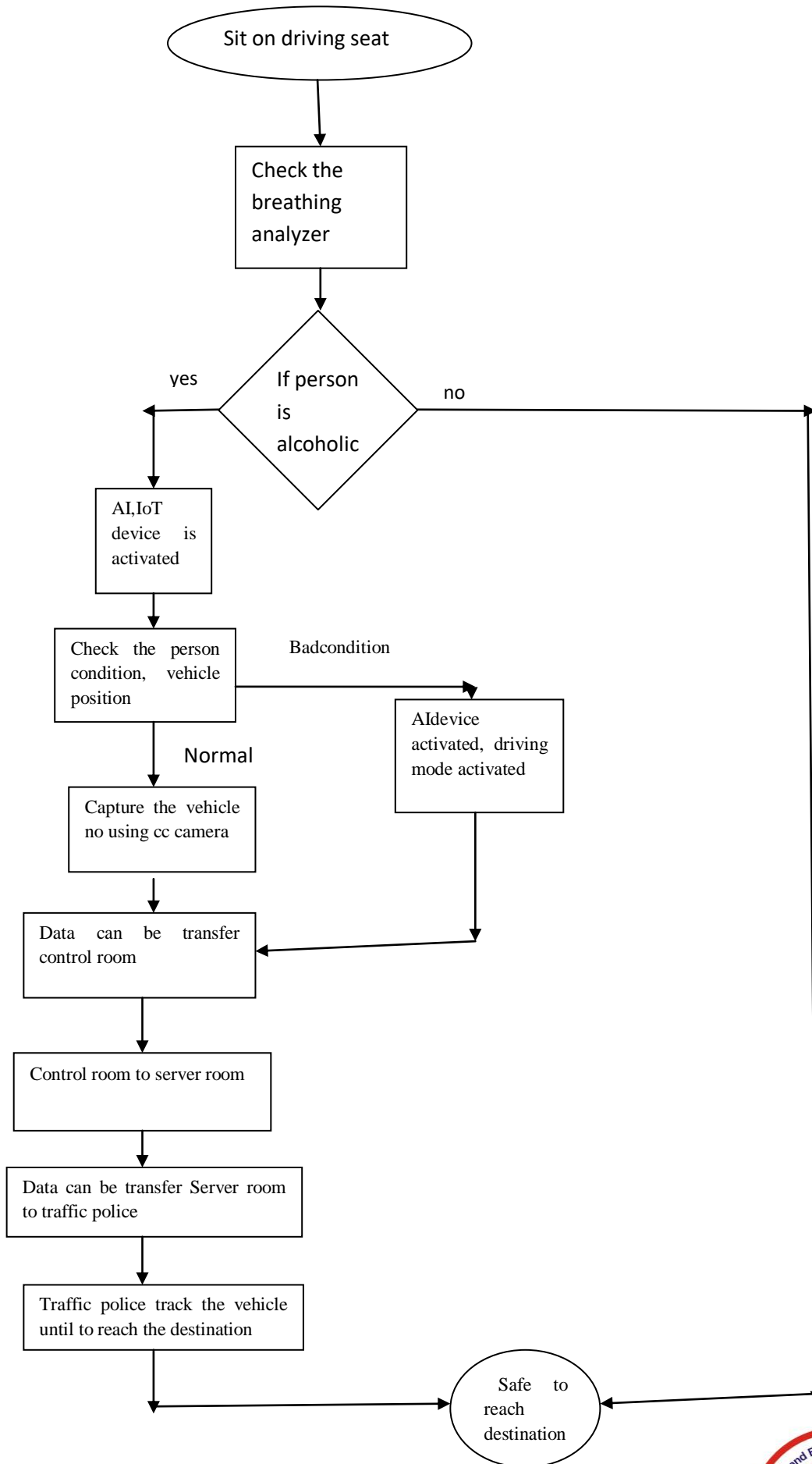


FIG: Tracking alcoholic driving using with artificial intelligence and IoT devices

Street camera capture the vehicle number and position that information can be viewed in control room, that control room total information is recorded and stored in master server room, master server room data is transfer the information in local server room. In local server room that information analyzed and that information can be given the surrounding traffic police, traffic police have a laptop or mobile use to find the vehicle position and person driving information can be calculated, if any trouble in driving that time traffic police can be alert that person using the AI

device in that vehicle then AI devices is activated in that vehicle. AI devices is activated then device is going to driving mode , total vehicle is under control in AI devices, that devices driving the automatically and reach the destination safe mode of alcoholic person with out damage the public, private property and other people life's. In this process these type of vehicle give a one type of color indication for the purpose of tracking the vehicle. These way to reach the alcoholic person reach the destination with safe mode. In this design mainly prevent the damage the property and other and itself life's

FLOWCHART:



VI. RESULT ANALYSIS:

In that paper discussed the alcoholic person drive the vehicle without damage public/private property and other people life to reach safely alcoholic person destination, we have succeed that type of prototype module, now a days we have seen remote control vehicle that type of vehicle control using mobile also. AI devices/system is help full to my idea to implement in real time applications, but here one of the problems is government. The government is taken initializing and encourages this type of ideas to prevent the damages of public/private property and human life to reach alcoholic person destination. The government can spend the money these type of technology decreasing the road accident deaths and improve the safe mode driving on roads. Now a day we know the Google developed the vehicle using without driver these way government can improve the roads, street lights, traffic lights and technology to helpful to the alcoholic person destination without damage the public/private property and other human life. AI devices/system are acting like a human brain how to react the real time situation same that way AI device/system also reacted and do the same work so that these device working as human brain and at the time machine work also doing in these system . IoT devices are connected as wired or wireless with internet, these device are transfer the data without human acceptances, data can transfer only internet, today most popular technology is IoT technology, these technology using many applications

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are running in commercial and non-commercial works, these technology reduce the human work and safe the time. In my paper hybrid of these two technology using alcoholic person driving in safe mode to reach the destination.

VII. CONCLUSION:

Design and implementation of alcoholic person safe to drive the vehicle and reach the destination without damage the public, private property and other people of life's, we main goal is prevent the damages of property and life's in that way we hope that we are success, if that design of vehicle are encourage the government and private company increase the person life and property.

FUTURESCOPE:

In this paper future scope is extension of the design and implementation for other purpose also, the design and implementation in the vehicle, the vehicle cost is increased by manufacturing company , but it is most secure way for people. The government also encourage these type of technology, in general government slogan is don't drunk and drive but we can change the slogan, if people drunk the alcoholic then safe to reach destination, these technology can use in intelligence home.