Adopting “smart” technologies for society-involvement in having safer city roads

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The involvement of students in higher education should target project ideas that **promote the standards of life in an implementable cost-effective way.**
Erbil city municipal spends millions of dollars every year to maintain existing ones.
Sample Road Hazards:

- Potholes
- Debris
- Sunken manhole covers
- Scaled road asphalt

Etc..

Road hazards pause a potential threat to drivers as they will maneuver to avoid them.
The road inspection process requires lots of effort and time. It involves using expensive special equipment.

This inspection process is thus slow as it needs many teams to inspect all the city in order to find and report road hazards to maintain and fix them.
Society involvement is the key

People are interested in having safer roads and many are willing to contribute.

Smartphones are now very popular and they can
- Sense vibrations.
- Determine location and direction.
- Send/Receive data (Internet).
- They can be placed on the car’s dashboard during driving.
The more cars that report a “disorder” in a certain road the more focus that location is given to inspect & repair as soon as possible.


And work is currently considered for full implementation once funding is offered.
Thank you

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