LITERATURE SURVEY ON SMART SOLUTION FOR RAILWAYS

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The iot solution applied for smart railways makes it easy to grasp the information distributed over a wide railway area.Most of the people choose this transportation mainly for low cost and it gives comfort ability.To increase this comfort zone and to reduce the number of accidents,iot gives complete solution. Most of these accidents occurs at railway gate level crossings.

It also involves monitoring process to detect the fault in sensors.

TITLE AND AUTHOR	YEAR	TECHNIQUE	FINDINGS	PROS AND CONS
Internet of things for smart railways:Feasibility and applications ohyun jo, member IEEE gong-kyu kim	2017	Internet of things	The iot solution for the enhanced condition based maintanence in railways. performance comparison of candidates for the iot network.	The iot can bring the effect of cutting the cost which can be more than hundred of million dollars levice rm needs to t various munication mes and it design me to ve low power umption and reliability
Automatic railway track crack detection system. sampada kailias bhamare Ravina dilip arote	2018	Internet of things	Addressing the issue by developing an automatic railway track crack detection system integrating an infrared red (IR) crack sensing module	crack is detected It is not fully automatic
Review on railway track crack detection using ir transmitter and receiver Rakesh V. Pise1, Parag D. Nikhar2, Prof. Avinash H. Shelar3	2017	Internet of things	The defect information can be wirelessly transferred to railway safety management centre using a GSM module	Cost of the unit is less when compared to other , No fire hazard problem due to over loading

				It cost is very high, sometimes signal receive not properly
Robust Railway Crack Detection Scheme (RRCDS) Using LED-LDR Assembly Gourav saha, vaidehi,vigneshwar murali	2012	Internet of things	robust solution to the problem of railway crack detection utilizing	cost is effective In this the range IR sensor is very less

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