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| Medicaps university  FLOOD DETECTION SYSTEM USING IOT |
| To design a system to detect water level in a river and interpret the upcoming floods. |

# ABSTRACT

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| Indore is surrounded by several rivers and there are many waterfalls and picnic spots nearby or on those rivers. There are several dams built on these rivers and currently there is no system to monitor the opening of dams and water level in rivers.in rainy season many times water level rises suddenly and there is no information about it thus making it impossible for the visitors to know that there is going to be a sudden rise in water level or flood, so that they can take precaution and move to a safe place.our system will detect the water level at a distance from the spots. it will show 3 levels of water and accordingly , automatically alarms the visiotors at thespot about the same using buzzers.It will give enough time for the concerned authority and others to evacuate the place and would save many lives. |
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# MATERIALS AND METHODS

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| Arduino microcontrollerNodemcuwater sensorsconnecting wiresbuzzers5&3.3V power supplyinternet connectivity |
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# RESULTS

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# CONCLUSION

To conclude we can say that this system is beneficial and useful at the picnic spots nearby rivers or dams and waterfalls where there is danger of sudden floods and there are no warnings or precautions taken to inform the visitors. This will save many lives and prevent many catastrophic incidents from happening.

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