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**(57) Abstract :**

7. ABSTRACT A system for accessing student management comprises of a wireless network (102), a storage database (104), a processing system, a plurality of terminals namely faculty terminal (106) and student terminal (108). The wireless network (102) is used to connect all the devices for accessing the network. The storage database (104) is used to store the complete information of students and faculty. The processing system is used in processing the information on timely basis. Faculty terminal (106) is used for accessing the performance of students in academics and for managing the attendance of students on daily basis. The student interface (108) is used for accessing the study materials of preferred subject and to check for the attendance level for improvement. The faculty interface (106) is used for including curriculum module, course arrangement and time tables. Figure associated with Abstract is Fig. 1

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**(57) Abstract :**

7. ABSTRACT A pervious concrete hydraulic footpath and roller barrier system (10) is disclosed, wherein the said system (10) comprises of, construction of pervious concrete road (3), installing a hydraulic jack (5) system along pedestrian's pathway. Further installing a roller barrier system (4) on both sides of road. The said hydraulic jack (5) system enables footpath to move upward and downward during emergency services providing extra pathway for vehicles to pass along. The said roller barrier system (4) enables safety at dividers by reducing vehicle speed and damage during accidents. The said pervious concrete road (3) allows water to pass through the said road (3). The working principal of said hydraulic jack (5) is Pascal's law comprising of ram and cylinder and operates two cylinders of different diameter at the bottom through a chamber which is filled with some liquid. The Figure associated with the Abstract is Fig 1.

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(54) Title of the invention : AN IRRIGATION SYSTEM TO PERFORM AN ACTION ON DETECTING RAINFALL