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<p>(51) International classification :G16H0040670000, G01N0033180000, C02F0001000000, G01J0003100000, G06Q0010040000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : <b>1)Dr.S.Rathinavel</b> Address of Applicant :Paavai Engineering College Autonomous Pachal Namakkal Tamilnadu-637018 ----- -----</p> <p><b>2)Mr.R.Muthukumar</b> <b>3)Mr.G.Delvamani</b> <b>4)Mr.M.Raja</b> <b>5)M.Sabitha</b> <b>6)B.Priyadharshini</b> <b>7)S.Yuvashree</b> <b>8)P.Govindharaj</b> <b>9)Paavai Engineering Colege</b> Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : <b>1)Dr.S.Rathinavel</b> Address of Applicant :Paavai Engineering College Autonomous Pachal Namakkal Tamilnadu-637018 ----- -----</p> <p><b>2)Mr.R.Muthukumar</b> Address of Applicant :Paavai Engineering College Pachal Namakkal ----- -----</p> <p><b>3)Mr.G.Delvamani</b> Address of Applicant :Paavai Engineering College Pachal Namakkal ----- -----</p> <p><b>4)Mr.M.Raja</b> Address of Applicant :Paavai Engineering College Pachal Namakkal ----- -----</p> <p><b>5)M.Sabitha</b> Address of Applicant :Paavai Engineering College Pachal Namakkal ----- -----</p> <p><b>6)B.Priyadharshini</b> Address of Applicant :Paavai Engineering College Pachal Namakkal ----- -----</p> <p><b>7)S.Yuvashree</b> Address of Applicant :Paavai Engineering College Pachal Namakkal ----- -----</p> <p><b>8)P.Govindharaj</b> Address of Applicant :Paavai Engineering College Pachal Namakkal ----- -----</p> <p><b>9)Paavai Engineering Colege</b> Address of Applicant :Paavai Engineering College Pachal Namakkal ----- -----</p>
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(57) Abstract :

This IOT-based water quality monitoring system provides real-time measurement and analysis of critical parameters, including pH level, temperature, illumination, and turbidity. It offers a comprehensive solution for assessing and maintaining water quality. Through remote data access and an intuitive interface, it empowers users to make informed decisions, optimizing resource utilization and promoting environmental sustainability. By addressing water quality challenges and facilitating efficient management, this system contributes to the preservation of water resources and supports sustainable practices. It plays a vital role meeting the increasing demand for effective water quality monitoring and management in various application, from aquaculture to municipal water supplies.

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