

A photograph of a man in a rural setting, shirtless and wearing a headscarf and a dhoti, operating a manual water pump. The pump is a green, cylindrical device with a handle. Two powerful jets of water are being sprayed from the pump into the air, creating a misty spray. The background shows a vast green field under a cloudy sky, with distant hills visible on the horizon.

# AGRI WATER MANAGEMENT

BY :-

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# PROBLEM

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Lack of irrigation techniques/management.

Water scarcity/reduction of ground water level.

To much use of water/less use of water will effect the crop/land.





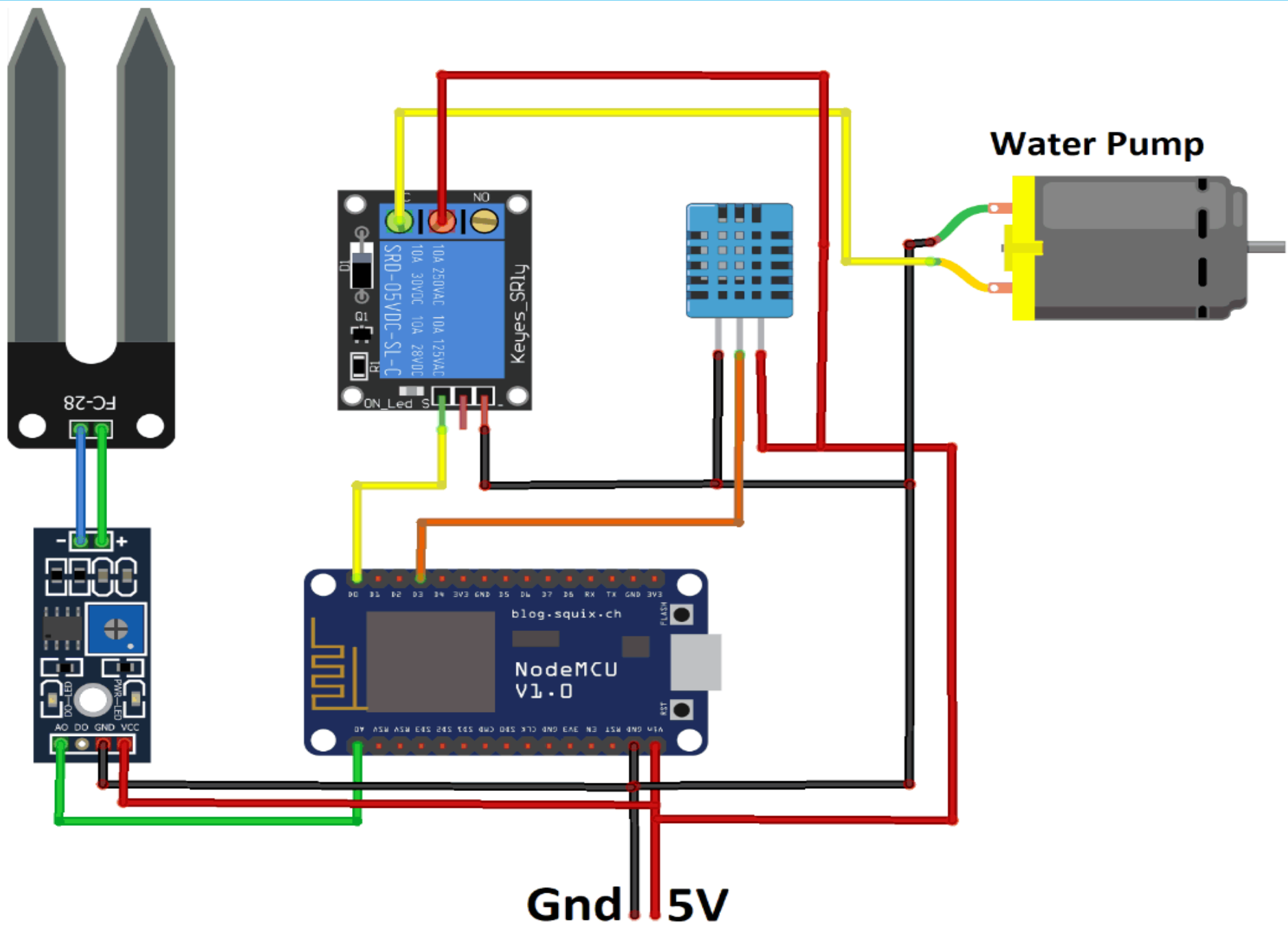
# SOLUTION

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Irrigation of crop/field with a new or advanced method.

The method is irrigation of crops/field based on automated system.

Which is again controlled by a system connected to moisture sensors.



# ADVANTAGES

~~Reduces use of water.~~

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Reduces man power.

Increases water level.

# DISADVANTAGES

Servicing.

Plugging deep into field.

# MATERIALS REQUIRED

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Moistures sensors.

Water irrigation control system.



# *SCOPE*

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We are able to sell up to 20 pieces  
per month.



# COST & TURNOVER

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RS2000/ acre.

The turnover is  $20 \times 2,000 /$   
 $\text{acre} = 40,000 / 1,00,000$

# SCALABILITY

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At first we sell up to 20 pieces per month.

Next we will increase our sales up to 100 pieces per month.

# *TEAM REQUIRED*

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Maintenance team.

Production team.

Marketing team.

Working area.

# *MARKETING*

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Orientation programs.

Model presentation.

Introducing our model in  
agriculture offices.

Advertising/posters.

# Mentoring

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We need a good and effective code writer.

To maintain the whole product the coding is main.



# *Challenges*

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Maintaince.

Lack of awareness.

# Support Required

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Software developer/ algorithm developer.

Financial support.

We technicians to assemble our product .

# CRITICAL FACTOR

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Problems due to weather conditions.

Problem during plugging the field.

# RISK FACTOR

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Problem occurred due to failure of algorithm.

Sudden failure of automatic controlling system.

