

## **J.J COLLEGE OF ARTS & SCIENCE (Autonomous)**

**JJ NAGAR, SIVAPURAM, PUDUKKOTTAI**

**PG AND RESEARCH DEPARTMENT OF BIOTECHNOLOGY**

### **EXTENSION ACTIVITY**

Established in : 2018  
Financial support : Karpaga Vinayaga Educational Trust  
Name of the activity : Mass Cultivation of *AZOLLA PINNATA* (Aquatic fern)



- Azolla can fix atmospheric CO<sub>2</sub> and Nitrogen to form Carbohydrates and ammonia respectively. After decomposition, it also adds available nitrogen to the soil.
- It solubilize Zn, Fe and Mn and makes them available to the rice field.
- In natural way, it releases plant growth regulators and vitamins which are very much required to enhance the growth of paddy crops.
- It helps in controlling weeds.
- It increases the crop yield and quality.
- It used as supplemented feed in diary, poultry and other cattle. It also helps to increase the production of milk.