Abstract

India is second largest country in production of cotton but it face problem like harvesting due to lack of skilled human labour. Solution of this problem is to do harvesting using cotton harvesting robots based on machine vision. Image processing technique has become very important in a wide variety of application. In farming is can be used to recognize cotton in field. Various image segmentation techniques are used for this operation. In field cotton recognition is challenging task because cotton plant contain various components like stem, leaves etc. Also open environment gives challenge to recognition task. Camera used to capture image of cotton plant, different camera view, illumination level at time of image capture etc. plays important role in the recognition of cotton in filed. Primary focus is to recognition of cotton in every environmental condition and also every possible mature cotton need to be detected. This review paper will give information about the possible image processing technique for recognition of cotton in field and it give future work done in the same topic.

References

Index Terms

Computer Science

Image Processing
Keywords

Cotton Recognition, image segmentation, cotton harvesting robot.