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## Abstract: According to the Agricultural Census of India, 64.5% of the population is Abstract affiliated to agriculture and yields around 16-17% of the country's GDP. Agriculture is the back... View more **Document Sections** I. Introduction ▶ Metadata Abstract: II. Motivation According to the Agricultural Census of India, 64.5% of the population is affiliated to III. Methodology agriculture and yields around 16-17% of the country's GDP. Agriculture is the backbone of our country and is yet an extremely ignored sector, with little or no development taking IV. Implementation of place. For a country ranked as the second highest producer of rice in the world, it is System imperative to be the change and focus on how to improve the methods of agriculture to V. Results and make the lives of the farmers easier. The use of modern technology in agriculture is the Discussion need of the hour. There exists no point in developing high tech - devices as long as there are starving farmers, who have toiled to feed our mouths. An important part of agriculture Show Full Outline ▼ is the use of pesticides and fertilizers. Pesticides and fertilizers help in keeping the crop safe from pests and in providing additional nutrients in order to grow a successful crop. Authors Although, the use of pesticides and fertilizers could prove to be expensive and harmful if not used with care and precaution. Thus the paper propose a smart farming technique, **Figures** that will use a GPS module and IoT technologies in order to determine the nature of the soil and the type and amount of pesticides and fertilizers to be used in an efficient References methodology. Keywords Published in: 2021 International Conference on Computer Communication and Metrics Informatics (ICCCI) More Like This Date of Conference: 27-29 Jan. 2021 INSPEC Accession Number: 20632112 Date Added to IEEE Xplore: 21 April 2021 DOI: 10.1109/ICCCI50826.2021.9402536 Publisher: IEEE ISBN Information: Print on Demand(PoD) ISSN: 2329-7190 Conference Location: Coimbatore, India Contents I. Introduction India is a nation of more than 1000 million individuals. It is the seventh biggest country on the planet with a geological territory of 328.7 million hectares. Farming is the backbone of the Indian economy, contributing IEEE Personal Account around 22 parents of the tasts I national output (Portile anto initiation Need Help? Follow employment to 66% of the populace. The net developed territory has f in 🎔 CHANGE USERNAME/PASSWORD around 14FNT INITIONS ctares over the most recent 30 years. US & CANADA: +1 800 678 4333 Nonethelessetheurosassetitingchemitanyshas exprortessiconaisteetilycastithe WORLDWIDE: +1 732 981 0060 power of the yield has expanded from 118 to 135 percent over most CONTACT & SUPPORT recent three decades. The all out gross trimmed zone is around 190 million hectares. There are 115.6 million farm-holdings, with a normal size of 1.41/ha. As per the Agricultural Census of India, 64.5% of the populace About IEEE Xplore | Contact Us | Help | Accessibility | Terms of Hise | Nondiscrimination Policy | | FEE tities Report no 16/1 Signal | Brivasy & Opting Out of Cookies and Pecology for around the Policy | Report no 16/1 Signal | Report no 16/1 Si A not-for-profit organization, IEEE of the nation. Horticulture is the foundation of our nation is as yet an © Copyright 2021 IEEE - All rights rescuent the failty symbolical gries, you the practicality tensorative ment. For a nation positioned as the second biggest maker of rice on the planet, it is variable and ought to be centered around how to improve horticultural practices to realizable retains simpler. Soil well print is internative ad **IEEE Account** Need Help? as "acting inside the limits of a characteristic or oversaw biological » US & Canada: +1 800 678 4333 » Change Username/Passwordtem, to keep up prantitions creature efficiency, to keep up cations references » Update Address water and ain क्याब्रीसप्रेमकार्कार help human wellbeing विनादि स्वापन अध्यापन Worldwide: +1 732 981 0060 IEEE websites place cooking von Automost given websites as support Accept & Close

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