MITS Communication/ Report on Guest Lecture/Department of MECH/07.05.2022

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**MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE**
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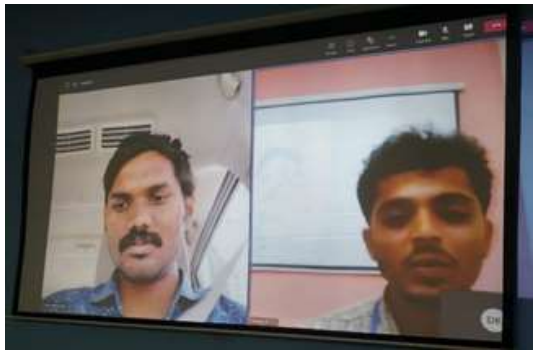
**Report on**
**On online Guest Lectures**
**Carrer Guidelines Talk : "Application of Drones in Agriculture Technology"**
**Organized by**
**Department of Mechanical Engineering, ISTE MITS Chapter & IIIC-MITS**
**07.05.2022**


**Submitted by:** **Dr. Ram Krishna, Associate Professor, Dept. of Mechanical Engineering**
**Dr. Subodh Kumar, Assistant professor, Dept. of Mechanical Engineering**

Attendance: 251 participants including students & faculties

Venue: Seminar Hall A &B

The event is started at 9:10 a.m.in Seminar Hall A and B with a welcome address to the participants by Dr. M. Lakshmana Rao H.O.D., Department of ME, MITS, Madanapalle. In his welcome address, Prof. Rao expressed their prospective and opinion about the implementation of drone in agriculture technology. He emphasises that an innovative brain to bring a rapid change in the traditional system and given the example of resource person name. After ME, H.O.D. brief address to participants, Dr. Subodh Kumar, ISTE Coordinator, Assistant professor, Department of Mechanical Engineering speak to the audience by introducing the resource persons Mr. A. Gopi Raja, Chief Executive Officer FOPPLE Drone Tech. Pvt. Ltd. After the introduction of resource person, the programme session is handed over to Mr. A. Gopi Raja for his guest lecture.
Mr. A. Gopi Raja started the session by extended his thanks to MITS Management, Principal, HOD, Organizers and participants for given him the opportunity to sharing knowledge in application of drone in agriculture engineering. He delivered a very attractive and interactive presentation in which he highlights their invention on the development of remote-controlled aircraft with multi-rotor technology (drone). It is intelligent equipment designed to spray pesticides without the presence of farmers during the process and operates by scheduling tasks and trajectory. Mr. Raja believes the revolutionary invention is part of the technology that strengthens "precision agriculture". This concept describes a model of agriculture that takes care of crops, according to their specific characteristics. Thus, Mr. Raja developed a new instrument that substantially improves agricultural monitoring processes. For this work he establishes their own company named FOPPLE Drone Tech. Pvt. Ltd. Fopple Drone Technologies designs, manufacture, and markets drones. The Fopple Drone adds to the pre-existing technological tools applied in precision agriculture, such as the global positioning system or climate sensors. The drone designed by Mr. Raja was initially oriented towards crop spraying. Subsequently, the scope of the invention was expanded by identifying applications associated with drone technology in conjunction with the precision farming methodology. Finally, Mr. Raja emphasizes the need to establish regular relations between the enterprise and the farmers, as a mechanism for the development of innovations that respond to the needs of agricultural production.




The program was concluded by vote of thanks delivered by the Dean IIIC Dr. Ram Krishna at 12:00 p.m. He congratulated and thanked the organizing committee for excellently organizing this program. He also expressed heartfelt gratitude to the resource persons, faculties, and students, without whom the event would not have been a huge success. The event was successfully completed with the cooperation of Industry Institute Interaction cell, and ISTE MITS Chapter.

With regards,

**Dr. C. Kamal Basha,** ME, PhD.
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