A Report on Guest Lecture titled
"From Campus to Career: Opportunities in Drone Engineering, IoT and Digital Agriculture"
Organized by Department of Computer Applications
on 23.10.2026



Report Submitted by: Dr. B. Nagarajan, Associate Professor, Department of Computer Applications.
Participants: Faculty Members with I Year BCA & MCA Students
Mode of Conduct: Offline (Seminar Hall - B)
Report Received on 27.10.2026

About the Programme:
The Department of Computer Applications organized a guest lecture titled "From Campus to Career: Opportunities in Drone Engineering, IoT, and Digital Agriculture" for the faculty members and I Year BCA and MCA students. The session was delivered by Mr. Subbareddy Maddula, CEO & MD of Rups Tech Private Limited, Bengaluru. The programme aimed to create awareness of emerging career opportunities, introduce students to the practical applications of drone technology and the Internet of Things (IoT) in digital agriculture, and motivate them to develop industry-relevant skills, innovation, and entrepreneurial capabilities. The session provided valuable insights into the growing role of emerging technologies in transforming agriculture and creating new career pathways for students.

Objectives:
1. To create awareness of career opportunities in Drone Engineering and emerging technologies.
2. To introduce students to IoT applications and their role in smart agriculture.
3. To explore digital agriculture technologies for precision farming and sustainable agricultural practices.
4. To motivate students to develop industry-relevant skills, innovation, and entrepreneurial opportunities in emerging technology domains.

Programme Details:
The programme commenced with a Welcome Address by Dr. B. Nagarajan, Associate Professor and faculty coordinator, who warmly welcomed the resource person, the Head of the Department, faculty members, and I Year BCA and MCA students. The address highlighted the importance of emerging technologies such as Drone Engineering, the Internet of Things (IoT), and Digital Agriculture in creating new career opportunities and transforming modern agricultural practices.

Following the welcome address, the resource person, Mr. Subbareddy Maddula, CEO & MD, Rups Tech Private Limited, Bengaluru, delivered an insightful session on *"From Campus to Career: Opportunities in Drone Engineering, IoT, and Digital Agriculture."* He discussed the growing significance of drone technology, IoT-enabled systems, and digital solutions in agriculture, highlighting their practical applications in precision farming, crop monitoring, resource optimization, and sustainable agricultural development. He also emphasized the career prospects available in these emerging technology domains and the importance of acquiring industry-relevant technical skills, innovation, and entrepreneurial capabilities.

Faculty members and I Year BCA and MCA students actively participated in the session and gained valuable insights into the practical applications of emerging technologies, industry expectations, and future career pathways. The interactive session encouraged students to explore interdisciplinary learning and identify opportunities for projects, internships, research, and entrepreneurship in Drone Engineering, IoT, and Digital Agriculture.

The programme concluded with a Vote of Thanks, expressing sincere gratitude to the management, the resource person, the Head of the Department, faculty members, and students for their support and active participation in making the guest lecture a meaningful and successful event.

Key Points Covered in the Guest Lecture:

- Overview of career opportunities in Drone Engineering and related technology domains.
- Introduction to drone technology and its applications across industries.
- Fundamentals of the Internet of Things (IoT) and connected smart systems.
- Applications of IoT in agriculture, including real-time monitoring and smart irrigation.
- Role of digital agriculture in precision farming and crop management.
- Use of drones for crop surveillance, field assessment, and agricultural resource management.
- Importance of technology-driven solutions for sustainable agricultural practices.
- Emerging industry trends and employment opportunities in Drone Engineering, IoT, and Digital Agriculture.
- Essential technical skills, innovation, and interdisciplinary knowledge required for career development.
- Opportunities for student projects, internships, research, and entrepreneurship in emerging technology sectors.

Outcomes

At the end of the guest lecture, the participants were able to:

- Understand career opportunities in Drone Engineering, IoT, and Digital Agriculture.
- Gain knowledge of drone applications in crop monitoring, field assessment, and resource management.
- Understand the role of IoT in smart irrigation and real-time agricultural monitoring.
- Recognize the importance of precision farming and sustainable agricultural practices.
- Identify industry expectations and essential skills for career development.
- Explore opportunities for projects, internships, research, and entrepreneurship.
- Develop awareness of emerging career pathways and interdisciplinary learning.

Conclusion

The resource person emphasized the importance of skill development, innovation, and interdisciplinary knowledge in preparing students for future careers. Overall, the programme served as an effective platform for connecting academic learning with industry needs and encouraging students to explore emerging career opportunities.

Newspaper Clips:

ABN ఆంధ్రజ్యోతి

వ్యవసాయ రంగంలో డ్రోన్ పాత్ర కీలకం



సమావేశంలో మాట్లాడుతున్న రఫ్ఫ్ టెక్ ప్రైవేట్ లిమిటెడ్ సీఈవో ఎం.సుబ్బారెడ్డి

కురబలకోట, అక్టోబరు 26(ఆంధ్రజ్యోతి): రోబోటిక్స్ డ్రోన్ టెక్నాలజీల్లో ఏఐ పాత్ర కీలకమని వక్తలు పేర్కొన్నారు. మండలంలోని అంగళ్లు సమీపంలోని డీమ్డ్ టు బి మిట్స్ యూనివర్సిటీ ఎంసీఏ విభాగం ఆధ్వర్యంలో 'క్యాంపస్ నుంచి కెరియర్ వరకు - డ్రోన్ ఇంజనీరింగ్, ఐఓటీ నుంచి డిజిటల్ వ్యవసాయ రంగాల్లో అవకాశాలు' అనే అంశంపై అవగాహన కార్యక్రమాన్ని నిర్వహించారు. ఈ సందర్భంగా బెంగళూరుకు చెందిన రఫ్ఫ్ టెక్ ప్రైవేట్ లిమిటెడ్ సీఈవో ఎం.సుబ్బారెడ్డి మాట్లాడుతూ... ప్రస్తుత డిజిటల్ యుగంలో డ్రోన్ ఇంజనీరింగ్, ఐఓటీ నుంచి డిజిటల్ వ్యవసాయ రంగాల్లో సాంకేతిక విద్యార్థులకు భవిష్యత్తు ఉందన్నారు. డ్రోన్ సాయంతో పంటల పరిస్థితిని పర్యవేక్షించడం, భూముల పరిశీలన సహా వివిధ రంగాల్లో సమాచారాన్ని వేగంగా సేకరించవచ్చన్నారు. ఐఓటీ సెన్సార్ల ద్వారా ఉష్ణోగ్రత, భూమిలో తేమ, నీటి వినియోగాల్ని విశ్లేషించవచ్చన్నారు. ఏఐ, డేటా అనలిటిక్స్‌ను ఉపయోగించడం ద్వారా వ్యవసాయ ఉత్పాదకతను పెంచడంతో పాటు వనరులను సమర్థవంతంగా వినియోగించవచ్చన్నారు. ఈ సాంకేతికత వ్యవసాయ రంగంతో పాటు పరిశ్రమలు, ఆరోగ్యం, రవాణా, పర్యావరణ పరిరక్షణ తదితర రంగాల్లో ఉపయోగపడుతుందన్నారు. దీనిపై అవగాహన పెంచుతూ నూతన ఆవిష్కరణలు చేపట్టాలన్నారు. ఎంసీఏ విభాగాధిపతి నవీన్‌కుమార్, కో-ఆర్డినేటర్లు సోమసుందరం, నాగరాజన్, కో-కోఆర్డినేటర్ సురేష్ తదితరులు పాల్గొన్నారు.

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