

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY



An Autonomous Institute

Approved by AICTE & Permanently affiliated to JNTU GV

Accredited by NAAC with 'A' Grade and Inclusion u/s 2(f) & 12(B) of UGC Act

An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Institute.

NH-16, Anakapalle – 531002, Visakhapatnam, A.P.

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Skill Development Initiative

The strategic collaboration between DIET College and esteemed organizations such as APSSDC, Data Pro, and ISRO marks a significant milestone in redefining skill development and career readiness for students. In an era where technological advancements are unfolding at an unprecedented pace, academic institutions must evolve and align with industry expectations. DIET College has proactively addressed this need by establishing meaningful partnerships that provide students with direct access to specialized training, cutting-edge technologies, and real-world applications. This collaborative initiative has emerged as a highly transformative model, offering learners a unique blend of theoretical knowledge and practical experience that is essential in today's competitive global environment.

Through this collaborative framework, APSSDC and Data Pro are playing a pivotal role in reshaping the technical learning ecosystem of the institution. They offer a diverse range of value-added, industry-oriented, and hands-on skill development courses meticulously designed to meet current market demands. These training programs help students build strong competencies in domains such as information technology, coding, data analytics, hardware support, and other emerging technological areas. By regularly updating the curriculum to match industry trends, APSSDC and Data Pro ensure that students are equipped with the latest skill sets required to succeed in various professional sectors.

One of the major strengths of these programs is their emphasis on experiential learning. Instead of solely depending on textbook knowledge, students engage in practical exercises, real-time projects, lab-based activities, and simulated industry scenarios. This practical exposure not only enhances their technical abilities but also develops critical thinking, creativity, and problem-solving skills. Students gain confidence in their ability to apply theoretical concepts in real-world situations, making them more adaptable and job-ready. In addition, the certifications provided through these programs add significant value to their resumes, improving their employability and competitiveness in job markets.

The involvement of ISRO has elevated this initiative to an even higher standard. As one of the leading space research organizations globally, ISRO brings unparalleled expertise and credibility to the partnership. Through the prestigious

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IIRS (Indian Institute of Remote Sensing) platform, ISRO offers specialized and advanced training modules that introduce students to frontier domains such as satellite technology, remote sensing, geographic information systems (GIS), photogrammetry, geospatial intelligence, and satellite data interpretation. These subjects are of tremendous importance in modern industries, especially in fields like agriculture, environmental monitoring, urban planning, disaster management, navigation, and defines.

The training programs delivered through IIRS are designed by eminent scientists and domain experts, ensuring that students receive high-quality instruction. They also gain exposure to sophisticated tools, software platforms, and data analysis techniques that are widely used in global space and geospatial industries. This exposure significantly broadens their academic horizons and opens doors to specialized career paths that are typically not accessible through conventional academic curricula. Moreover, interacting with experts from ISRO and participating in instructor-led sessions inspire students to explore research-oriented careers and develop a mindset geared toward innovation and scientific inquiry.

Collectively, the initiatives offered by APSSDC, Data Pro, and ISRO create a holistic and dynamic learning environment at DIET College. The integration of multiple skill development platforms enriches the academic structure and complements traditional classroom teaching with advanced, industry-centric learning. Students benefit from a multi-dimensional training ecosystem that nurtures both technical expertise and soft skills such as communication, teamwork, leadership, and professionalism. This balanced development is crucial for success in the modern workplace, where employers seek not only technical proficiency but also adaptability and strong interpersonal skills.

Another notable advantage of this collaborative model is its role in bridging the gap between academia and industry. One of the persistent challenges faced by educational institutions is ensuring that students are sufficiently prepared to meet the expectations of employers. Through regular workshops, expert lectures, internship opportunities, and project-based training, students gain firsthand exposure to contemporary industry practices. They learn how technologies are applied in real-time problem-solving, how organizations operate, and what

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professional competencies are required to excel in various roles. This industry-aligned training helps students make informed career choices and prepares them to seamlessly transition into the workforce.

Furthermore, the Skill Development Initiative cultivates a culture of continuous learning among students. By engaging with diverse training modules and staying updated with technological innovations, learners develop a mindset oriented toward lifelong learning. This is especially important in a rapidly evolving digital landscape, where continuous upskilling and adaptability are essential for career growth and sustainability. As students explore new technologies and broaden their knowledge base, they become more motivated and better prepared to face global challenges with confidence.

Overall, the strategic collaboration of DIET College with APSSDC, Data Pro, and ISRO stands as a powerful and visionary step toward empowering the next generation of learners. This initiative not only enhances students' technical and professional capabilities but also inspires them to pursue excellence in their respective fields. By creating an environment that encourages innovation, practical exposure, and industry relevance, DIET College is shaping well-rounded graduates who are equipped to thrive in the modern technological era. The comprehensive Skill Development Initiative thus serves as a transformational force that drives academic excellence, promotes employability, and fosters a culture of growth, discovery, and professional advancement.