RTC INSTITUTE OF TECHNOLOGY

Anandi, Ormanjhi, Ranchi – 835219, Jharkhand
Approved by AICTE, New Delhi & Govt. of Jharkhand and Affiliated to Jharkhand University of Technology, Ranchi
(ISO 9001:2015 CERTIFIED)

INSTITUTE DISTINCTIVENESS

The Institute feels distinct based on complete attention for improvement of the students RTC Institute of Technology pays sufficient attention on the students regarding their academic development. Syllabus completion, extra classes, labs are the primary factors in this direction. The details of the work of Institute in this direction are as follows:
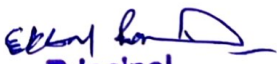
1. To complete the syllabus, we take online classes after college hours

In the contemporary educational landscape, learning transcends the conventional classroom, with the rise of online classes. The Institute extends learning opportunities beyond regular hours, including weekends, after college hours and holidays, fostering student engagement. Through live sessions, pre-recorded videos, quizzes, and forums, diverse learning styles are accommodated. Faculty-led online classes offer personalized learning avenues, empowering students to delve deeper into subjects. Accessible at any time, these resources allow for review and reinforcement of complex topics, ensuring comprehensive understanding. Online education thus enriches the learning experience, promoting flexibility and tailored learning paths for students.

2. We take offline classes in ICT classes rooms

RTC Institute of Technology conducts most of the classes in ICT classrooms. Each department has been provided with an ICT classroom, where faculty members teach the students through PPT presentation, by video presentation, by demonstration or by animation. By using ICT classrooms, we have the following advantages. ICT classes provide a tangible, hands-on learning experience. Students can interact directly with hardware components, software applications, and networking equipment, gaining practical skills and troubleshooting abilities that are essential in the field of ICT. ICT classes also cater to students who may not have reliable access to digital technologies or internet connectivity outside of the classroom. By providing access to resources and equipment during class time, educators ensure that all students have an equal opportunity to participate and succeed in their studies through ICT. ICT classes allow educators to focus on practical demonstrations, simulations, and real-world scenarios that may be challenging to replicate in conventional way of teaching.

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3. Providing extra / make-up classes for weak students for their supplementary exam.

RTC Institute of Technology provides makeup classes tailored to support struggling students, fostering personalized attention and guidance from faculty members. These sessions effectively address doubts and tackle challenging topics, boosting students' confidence and academic performance. The institute values every student's potential to overcome obstacles with adequate support and resources. By offering supplementary classes, faculty members instill a culture of ongoing improvement, promoting resilience and perseverance. This proactive academic support enhances the overall learning community, nurturing a supportive and inclusive environment that benefits all students.
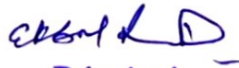
4. Institute have fully equipped laboratory as per university syllabus

RTC Institute of Technology boasts a fully equipped laboratory in all the departments that adheres to the standards set by the university syllabus. This laboratory serves as a vital hub for practical learning and hands-on experimentation, allowing students to apply theoretical knowledge gained in classrooms to real-world scenarios. Equipped with instruments, tools, and facilities, the laboratory provides students with opportunities to conduct experiments, analyze data, and develop practical skills essential for their academic and professional development. Under the guidance of experienced instructors or faculty members, students have access to a wide range of experiments and activities that align with the curriculum, ensuring comprehensive coverage of the subject matter.

5. Whenever needed we conduct virtual lab (Through PPT in online mode)

In addition to the physical laboratory facilities, the institute also conducts virtual labs whenever needed, further enhancing the students' learning experience. Virtual labs offer several benefits, including accessibility, flexibility, and scalability. In such labs, through PPT and images in online platforms, a wide range of experiments and activities are demonstrated remotely, allowing for learning opportunities beyond the constraints of time and space. During the covid pandemic faced by the country recently, virtual labs provided a safe environment for students to practice experiments. By integrating virtual labs into the curriculum, the institute ensures that students have access to comprehensive and versatile learning resources that complement traditional laboratory experiences, ultimately enriching their educational journey and preparing them for success in their academic and professional endeavors.

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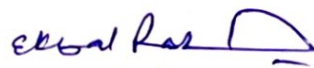**RTCIT, Anandi**
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6. Institute conducts experiments through video demonstration if needed.

RTC Institute of Technology, recognizes the importance of providing comprehensive learning experiences, in adverse situations, where physical labs were not feasible. As such, the institute conducts experiments through video demonstrations, ensuring that students have access to practical demonstrations of concepts and techniques. Video demonstrations offer several advantages in the educational context. Firstly, they provide a visual and auditory representation of experiments, allowing students to observe procedures, techniques, and outcomes in real-time or pre-recorded formats. Additionally, video demonstrations can be replayed and reviewed multiple times, allowing students to revisit specific steps or concepts at their own pace. This flexibility promotes self-directed learning and accommodates diverse learning styles and preferences. Moreover, video demonstrations can showcase experiments that may be difficult to replicate in a traditional laboratory setting due to logistical constraints, safety concerns, or resource limitations. By leveraging video technology, the institute ensures that students have access to a wide range of experiments and practical demonstrations that align with the curriculum and learning objectives.

7. Co-Curricular & Extracurricular Activities

At RTC Institute of Technology, we believe in fostering holistic development through a range of co-curricular and extracurricular activities. Students engage in diverse activities such as sports, workshops (robotics, coding), soft-skills and entrepreneurship. Our institution promotes co-curricular and extracurricular skills through regular workshops, seminars, and industry visits to enhance practical learning. Sports events, cultural festivals, and community service initiatives further enrich the student experience, promoting teamwork, creativity, and social responsibility. These activities complement academic pursuits, nurturing well-rounded individuals prepared for the challenges of the modern world.

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