



# NEW HORIZON COLLEGE OF ENGINEERING

## Department of Computer Science & Engineering (Data Science)

### Report On

## “Industrial Visit to iTriangle Infotech Pvt Ltd”

On the 12th of January, the second-year CSE (Data Science) students along with Dr. Kumar B I D - Professor and Mr. Vijay Kumar R- Asst. Professor had the opportunity to visit iTriangle Telematics Solutions, a prominent company specializing in telematic devices and solutions. The visit provided valuable insights into the cutting-edge technologies and services offered by the company. Itriangle Infotech Pvt Ltd, established over 14 years ago, has positioned itself as a key player in the industry, contributing to safer roads, secure human lives, and increased productivity for enterprises. The company proudly claims to be the largest telematics maker in India, with an impressive deployment of over 800,000 devices and serving a diverse clientele of more than 300 customers, including 20,000 electric vehicle devices. The company's vision aligns with the national initiative of "Atma Nirbhaar Bharat," aiming to be at the forefront of mobility and the Internet of Things (IoT). The presentation highlighted the pivotal role of telematics in the transport sector, with government mandates emphasizing its importance for ensuring safer transportation. Mr. Sunil Kumar S K, Sr. Vice President, of Itriangle provided an overview of the company's core functions, including vehicle tracking, fleet management, driver behavior monitoring, vehicle diagnostics, IoT integration, asset tracking, electric vehicle solutions, compliance telematics, and the provision of customized solutions catering to various industry needs.

The company's commitment to compliance, especially regarding mandates like AIS140 and Bharat 101, was underscored. Itriangle proudly declared that they were the first in India to have a device certified under Bharat 101, showcasing their pioneering role in compliance devices. The market presence of Itriangle was emphasized, with devices addressing the needs of diverse sectors such as mining enterprises, AIS140 compliance, service aggregators, insurance telematics, vehicle aggregators, electric vehicles, and OEMs like BOSCH and Ashok Leyland. Their ability to cater to such a wide range of sectors was highlighted as a key differentiator. The technology aspects of Itriangle's offerings were explained, including various IoT data points captured, such as location, speed, accelerometer data, harsh driving metrics, odometers, CAN parameters, fuel level,


temperature, tyre pressure, and ignition. The company utilizes cloud solutions, sending data to AWS or Azure, allowing for dynamic scaling and better management. The advantages of cloud solutions, such as elasticity, scalability, portability, and device agnosticism, were also emphasized. An intriguing aspect of Itriangle's offerings is the Vehicle FOTA (Firmware Over The Air) tool, enabling truck drivers to receive updates on the move, significantly enhancing efficiency by providing real-time updates rather than relying on service centers. As the visit concluded, the students left Itriangle Telematics Solutions with a wealth of knowledge about the company's innovative solutions and its impact on the telematics industry in India. The team returned to college at 4:30 PM, enriched with insights and experiences that will undoubtedly contribute to their understanding of the rapidly evolving field of telematics.



### Industrial Visit Coordinators

Dr. Kumar B I D

Mr. Vijay Kumar R

  
HOD  
Dr. Baswaraju Swathi  
Head of Department - CSE (Data Science)  
New Horizon College of Engineering  
Ring Road, Bellandur Post, Bengaluru - 560 103