

# **Dr. Ambedkar Institute of Technology, Bengaluru-56**

(An Autonomous Institute, Approved by AICTE, Affiliated to VTU, Accredited by NAAC with A+ grade)

## **Industry Institute Interactions (III)**

Brief report on Industry visit to  
**NXTGEN Infinite data Center and cloud Technologies,**  
Bidai Industrial Area, Bidadi, Bangalore.

**Date:** 23-4-2024, Time: 8.50 to 3.00 pm

**Venue: NXTGEN Infinite data Center and cloud Technologies,**  
**Bidadi Industrial Area, Bidadi,**  
**Bangalore**

### **Empowered at NXT GEN company : A Day of Learning and Growth**

After a long wait we got permission to visit NXT GEN Infinite data Center and Cloud technologies, Bidadi Industrial area, Bidadi, Bangalore on 23-5-2024. Seventeen of us Vice Principal, Hods, Senior professors (from CS and IS departments) and myself participated to know practical aspects of working of Data Centers and cloud technologies at NXT GEN .It was a chance for us to gain valuable insights and opportunities at the very bid data center Company. .The Bus started from our campus at 9.00 am and reached at 10.10 am at NXT GEN company choosing express highway on Mysore Road by our college bus.

Commencing promptly at 10.00 am, after security checking the program started with a warm welcome and introduction to our esteemed faculty – professional Mr. Basavaraj, Head, datacenter, NXTGEN representing diverse departments welcomed us and briefed us about the company . We engaged in conversations with the professionals.

The Head of the datacenter explained and took us to every department and explained and showed how the company manages the Servers. There are about 80000 servers, all government and banking data is said to be maintained in their servers. They are pioneers in Disaster Protection services, managed security services, It-Transformation services , Artificial Intelligent services , etc.

It was a very detailed tour within the NXT GEN center. At 12.30 pm we came back to the entrance of the company.

We left the company at 1.00pm and had lunch on the way and reached college at 2.30 pm.



**The feedback of faculty was taken in google forms. A consolidated report is given below:**

1. Good and impressive
2. Practical exposure
3. NextGen is high density data centers, best data center service in India, this is designed to exceed tier III specifications, hosting 2000 high density racks in 4 independent data center situated a 10 acre data center campus, ideally located for critical systems operations, purpose-built grounds-up to deliver high efficiency NextGen HDDC Project was executed with "Server-Out" design, incorporating most modern technologies to deliver increased availability, energy efficiency and environmental responsibilities. The HDDC is designed to accommodate 15 KW per rack and delivers five times more capacity per rack as compared to traditional data centers
4. Thanks to management for giving me an opportunity to visit the Data centre and to understand the concept of servers, networking equipment, storage arrays , networking to virtualization practically.
5. NextGen data center and cloud technology is a very big data center and independent center, ultra large data can be handled, multidisciplinary functioning data center, micro electro mechanical system(MEMS) technology is used and all micro electro devices are used in the mass application, miniaturization of micro devices (Integrated Circuit) different areas, like, automobile industry, insurance field, general election commission, large memory storage concept, use of SMPS, servers are in large scale, power section is maintained, very safely, Nice visit to gain good knowledge.

6. Very informative & well structure centre with good environment & tutors. The visit was very well organized, the employees explained their profile, services and achievements. Also taken us to their premises and explained about two hours by Mr. Basavaraj. The visit was very much useful.

7. Our visit to NextGen Data Centre and Cloud Technology was important as we were explained, in detail, the setup of UPS for the servers( about 20000 of the estimated 80000 servers) and about the servers too. The meticolation that is required to create such an environment was obvious and thought provoking. The hosts were most hospitable and added to make the day a great experience.

8. It is an excellent place to gain knowledge about the data center, We got an real time exposure of a large scale data center, the working style, methodologies and tools and techniques adopted were clearly explained. It can be extended to students group as well. I thank the management and Dean III for organizing such an event

9. I had an opportunity to visit the NextGen data center on 23-4-2024. It was an industry visit organized for the Deans, HoDs and Professors of Dr A IT. I must say it was an incredibly enriching experience. The facility's state-of-the-art infrastructure and innovative technologies showcased the future of data management and cloud computing. The staff's expertise and professionalism were evident throughout the tour, providing valuable insights into the industry's best practices and emerging trends. The emphasis on security and sustainability was commendable, reflecting NextGen's commitment to excellence and environmental responsibility. Overall, it was a truly enlightening visit that broadened my understanding of data center operations and left me inspired by the possibilities of modern technology." The hospitality provided by NetGen employees was really good. lemon grass tea and lemon juice in a hot summer really refreshed me. Thanks to Basavaraj and his team of Nextgen for everthing. My thanks to Dr Shylaja, Dean III for organizing a enriching program. Enjoyed the company of colleagues of DrAIT. Had tasty luch in Hotel Maharaja. Overall a Memorable day.!!

10. Very informative visit. Information on requirements of data centre such as power, security, cooling well understood.

Visit was wonderful and amazing experience VGTA and systematic standards...very good hospitality and lunch was arranged....Dr. Sailaja...taken very much care and good arrangements to all..... Many thanks to the Principal & Vice Principal.....we r very much intrested to visit again and again this kind of Industry this gives enhancement of knowledge.....in Industrial context....