



**GUJARATTECHNOLOGICAL  
UNIVERSITY**



**INTERNATIONAL EXPERIENCE  
PROGRAM 2019**

**HOCHSCHULE WISMAR UNIVERSITY, GERMANY**



**DISCIPLINES:**

**ELECTRONICS AND COMMUNICATION  
ENGINEERING ELECTRICAL ENGINEERING  
INSTRUMENTATION & CONTROL ENGINEERING**

**Report By**

**Dr. Manoj B. Vanara**

**Mentor IEP- 2019**

## Report From 14<sup>th</sup> June to 21<sup>st</sup> July 2019

All the students those who have flight from Ahmedabad get together at 11.45 pm at Ahmedabad Airport. The journey began at 4:25 o'clock in the morning with students and mentor Dr. Manoj Vanara from Sardar Vallabhbhai Patel International Airport, Ahmedabad. The students were very excited for the flight and they gone through security checks. The entire immigration and security checks completed smoothly.



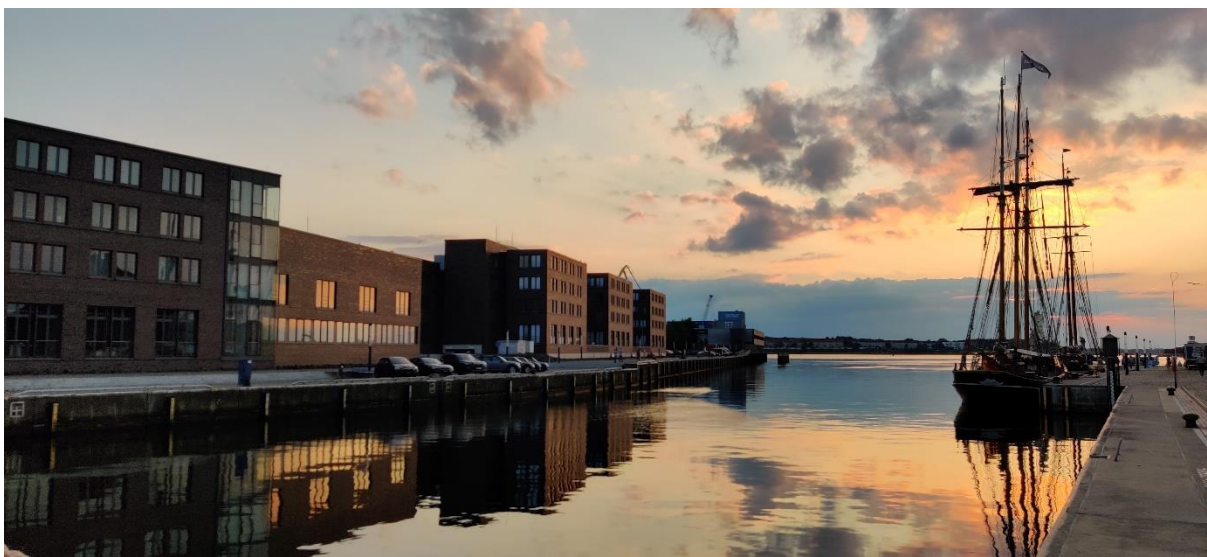
Students reached at Dubai Airport where students from Mumbai flight also reached at the time. Then we all 52 Students and me reached at Hamburg Airport.

The immigration process was done. The pickup bus was already there. Meanwhile all studentstaken photographs and talk to their parents about the arrival at Hamburg. Then students loaded the luggage and started for Wismar. It took approximately 2 hours to reach Wismar.



Upon arrival at Wismar we were welcomed by Prof. Norbert Sir and Dr. Jelena Zascerincka. A brief guidelines and instructions were given and rooms were allotted to us.

Next two days were free for students to get comfortable with the conditions and accommodate themselves to the new place. These two days had been amazing for the students as they explored the Wismar City and found out different Heritage sites. Wismar is a UNESCO World Heritage city and it consists of different churches, monuments and ports made in early 19th century and before. Students visited Wismar city and also attended the harbour festival.



On 17<sup>th</sup> June 2019 lectures started at 9:15 am with an orientation of the entire summer school program by Prof. Dr. Andreas Ahrens.



Students in the first 10 days were taught the subject of Digital Signal Processing followed by an internal exam and then the final exam. Daily schedule consists of 120 minutes of theory session by Prof. Ahrens and alternate days lab session each of 105 minutes by Dipl.-Ing.RalphBornitz and Dipl.-Ing.Uwe Starke. Lab sessions consisted of Matlab sessions and practical with Network Analyzer and oscilloscopes.

During these days, students visited various places nearby to the hostel - a supermarket Netto is located near to the hostel, wherein students were able to purchase their daily grocery. REWE, Red Netto, ALDI, LIDL are also within two kilometre distance.



During weekends one group of students visited Berlin-the capital city of Germany by train. Berlin is largest city of Germany.Student groups visited Brandenburg Gate, Reichstag Building, Berlin wall memorial, Check point Charlie, Berlin TV Tower, Mall of Berlin etc.



Another group visited Hamburg on 16th June 2019. They had a thrilling experience exploring certain places of Hamburg city during their first weekend in Germany. The architecture is mesmerising and the natural beauty is delightful.

One group had visited The city of Schwerin which is around 30 Kms. far from the student hostel. They used the local railway transport to reach there. They visited the castle there; the lake of Schwerin was also one of the best tourist places there. The market place was also amazing, with souvenirs from that market place.

On 21 June 2019 we celebrated International Yoga day on the college ground. All students of IEP and the mentor and German colleagues participated in yoga day. Celebrating the Yoga day was very exciting for all the students. I have given a small speech on importance of yoga day.





Apart from this on the 25 June 2019 we went to meet the mayor of the Wismar city Mr. Bayer. On behalf of GTU I have presented him one book.

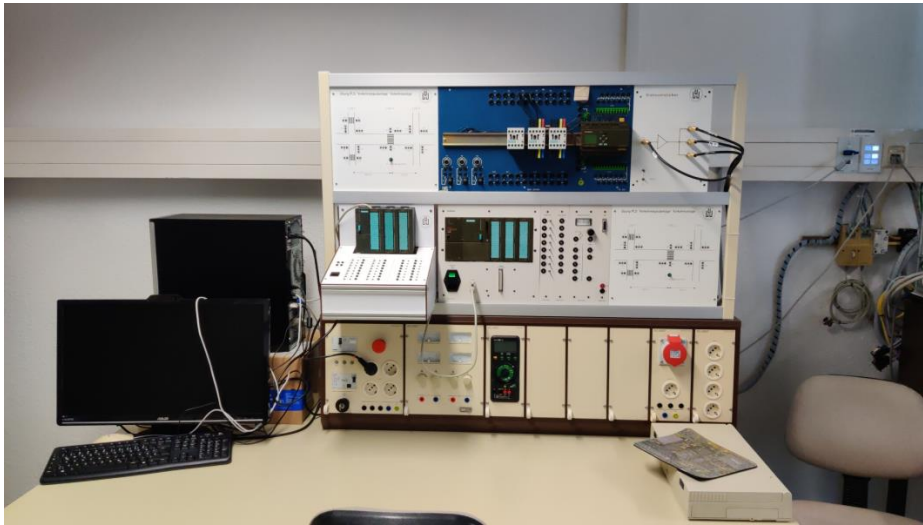
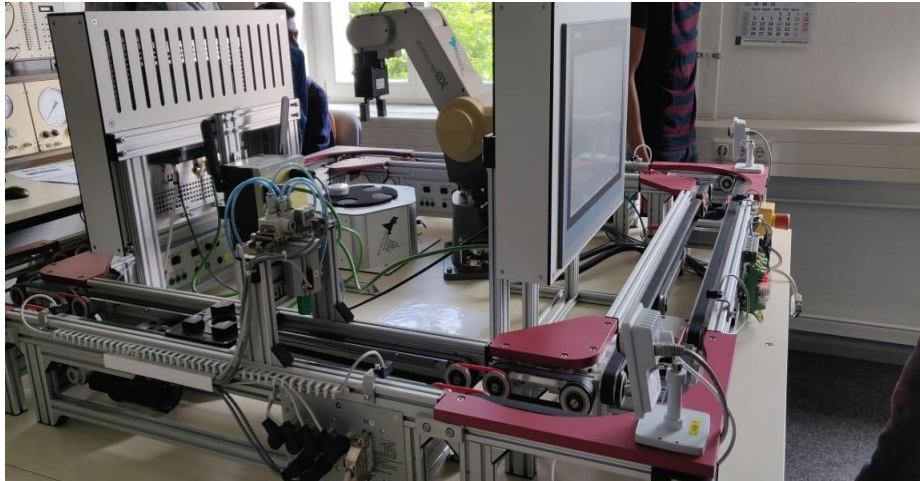


On 26/6/2019 we went to Solar Zendrum situated at Lubow, an NGO based company aimed to create houses with self-energy generation and optimization of the house system. Its objective was to create clean and eco-friendly environment for future with sustainable energy. We learned about different solar based system as well as water treatment system and its processes.



In the second week students had the final exam of the DSP on Friday (28/6/2019). On the Thursday Prof. Andreas Ahrens has arranged visit of different laboratories.





On 29/6/2019, we went to visit the world of e-mobility, GläserneManufaktur Dresden, a company of the Volkswagen which aimed to build electric cars. The company was situated in Dresden approximately 450 km from Wismar. We were given a tour of the company's production facility as well as its exhibition of future ideas of e-vehicles. It was a great experience to learn about the e-vehicles and we enjoyed the journey.



During this week( 1st -7th July) , Prof. Andreas Ahrens taught us the second subject to be studied namely Wireless Communications. Along with the theoretical part going on in the lectures we also had to attend Communications laboratory and MATLAB sessions regularly.

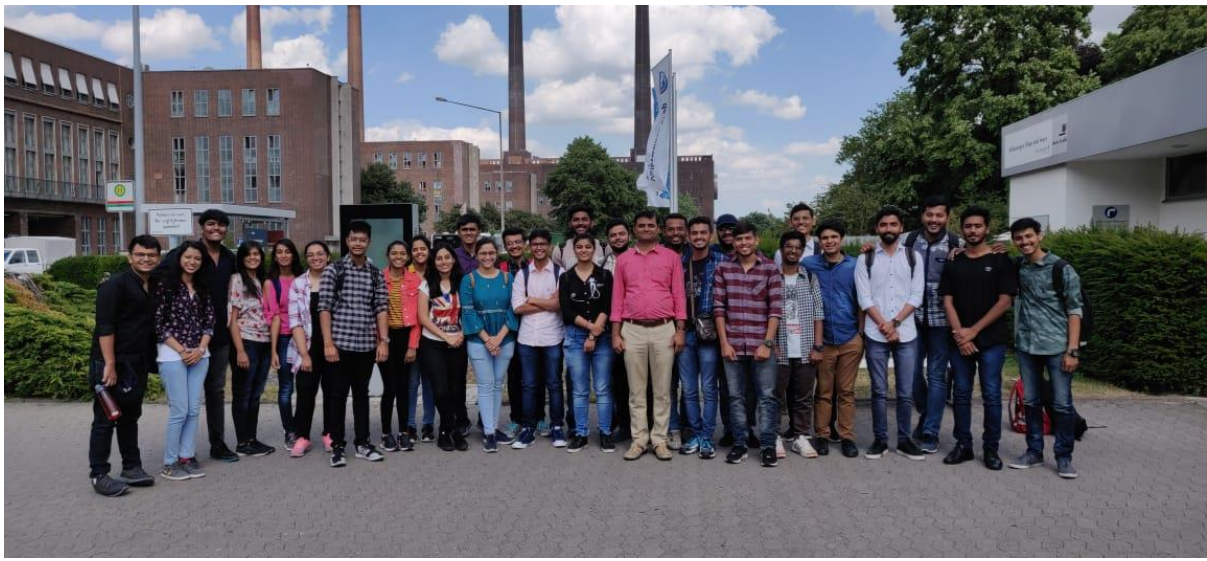
### **SAILING TRIP: (3<sup>rd</sup> July)**

We had a great opportunity to experience a sailing boat trip with Poeler Kogge, our professors and our mentor Dr. Manoj Vanara. The trip began from the port of Wismar where Prof. Andreas Ahrens awarded prizes to the top scorers of DSP subject.



### **Volkswagen factory:**

During the 3<sup>rd</sup> week we visited the **Volkswagen factory** situated at Wolfsburg. The factory was very large and was looking like a big township. In the visit we were shown the video of the volkswagen and after words we were given a tour of the factory. The factory was highly based on automation and due to which there were large number of robotic manipulators. It was very exciting visit.



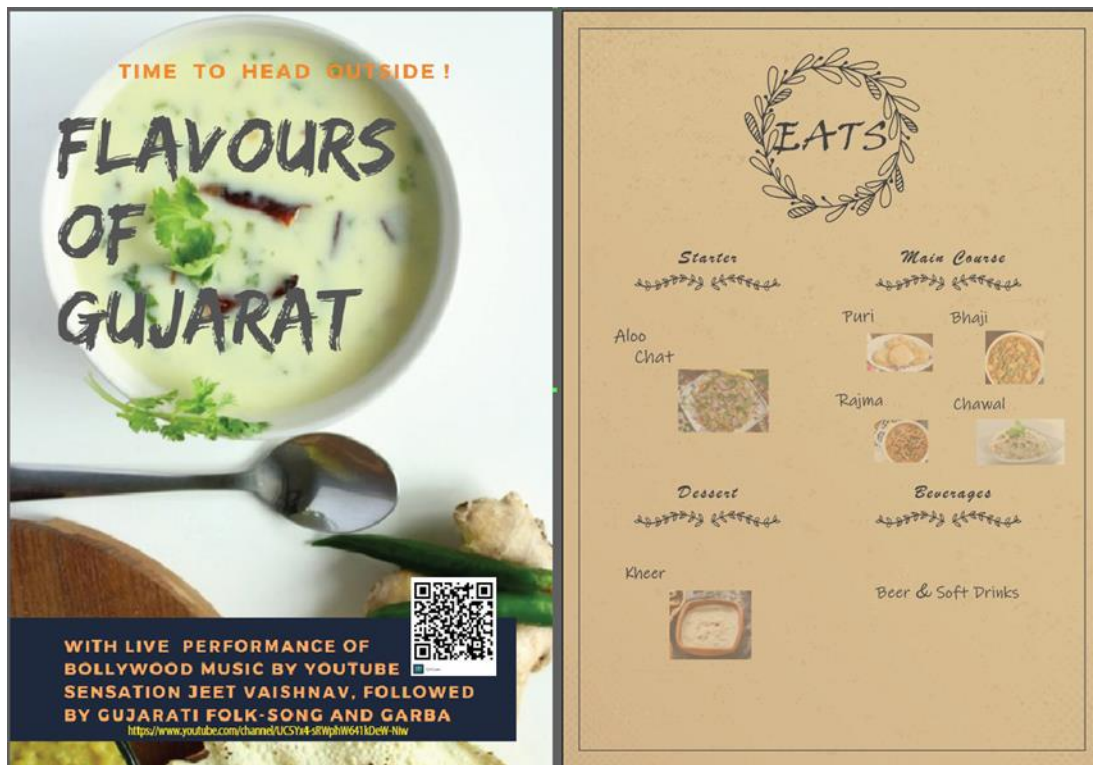
### **AIRBUS Visit Hamburg**

We had an excursion to Airbus Hamburg on 15<sup>th</sup> July. The students were divided into three different groups each guided by the Airbus official. The official took us on a tour of the company campus. He provided us with valuable information about how different parts of an aircraft are being manufactured and assembled in order to sell it to different companies. The vivid and magnificent aircrafts and their manufacturing processes stunned everyone. The Airbus visit to Hamburg was very informative and we as engineer thoroughly enjoyed it.



### **Flavors of Gujarat:**

A wonderful festival was organized by the students of IC department and the volunteers from electrical and EC department under the guidance of Dr. Malgorzata Zakrzewska Ma'am. The name of the festival was Flavours of Gujarat and it included food, dancing and singing with an aim to show the culture of Gujarat. Many people of Germany, Ukraine and Indian nationality were involved. The food contained a starter, main course, dessert and some beverages. To add more to it, everything made was from Gujarat. There was karaoke beautifully sung by a singer and there was Garba and some dance in the end. Everyone was getting involved and there was a merry atmosphere created. We Indians students were very happy to have something that reminded us of Gujarat.



### **EXCURSION SZCZECIN, POLAND( 16<sup>TH</sup>-19<sup>TH</sup> July)**

We travelled to Szczecin, a city in Poland by train on 16<sup>th</sup> July. In Szczecin, we had received a warm welcome and were delighted by the Indian dinner served to us by the restaurant named ‘The Indian Palace’.

On 17<sup>th</sup> July we had immense time to explore the city, visit different shopping malls and sightseeing places making use of the tram and bus services.

The following day i.e on 18<sup>th</sup> July, we had a meeting with the Mayor of Poland Mr. Swinemunde along with the President of the city. They gave us detailed information regarding the developmental activities carried out by their government. As a result of which the citizens of the city got benefited a lot.



We got to explore and relax at the beautiful beach in Szczecin and spend some quality time with our friends on the beach side.

We returned to Wismar on 19<sup>th</sup> July by train. We had our farewell dinner arranged at the Mirchi Restaurant at Wismar where Prof. Nobert awarded us with the certificates of the respective courses undertaken by us.



We had farewell 20<sup>th</sup> July with a heavy heart and a bunch of great memories in our mind to be cherished life long.

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