

Report of ERASMUS+

Shaheed Rajguru College of Applied Sciences for Women (University of Delhi) has become part of Erasmus project No-2017-1-CZ01-K107-034877 (Key Activity 1) along with the Silesian University, Faculty of Philosophy and Science in Opava, Czech Republic. The partner institute agreed to cooperate for the exchange of students and/or staff in the context of the Erasmus+ programme. The first diplomatic/academic visit was initiated by Dr. Payal Mago and Dr. Projes Roy and visited Silesian University Opava on 27th April to 4th May 2018, they have delivered several lectures, met with the Rector, Directors and Deans of the university. On 19th November to 30th November 2018 Dr. Anna Novotna and Mr. Kamil Matula visited our college and delivered several lectures and conducted workshop on computer and information sciences. On 4th February to 9th February 2019 Dr. Jiri Martinu visited our college and delivered several talks on robotics. Ms. Preeti Singhal and Ms. Venika Gupta visited Silesian University, Faculty of Philosophy and Science in Opava, Czech Republic from 5th May to 13th May 2019, they have delivered several lectures and interacted with the other faculty members of the Silesian University.

Dr. Anna Novotna and Mr. Kamil Matula (Erasmus+ fellowship for students).

Dr Anna and Mr. Matula Kamil from Institute of Computer Science, Silesian University of Opava, visited our college on 26th November'18. They interacted with students of B.Sc (H) computer Science along with the teachers of the Department of Computer Science. They started their interaction with the discussion on geographical location of Czech republic and Silesian university. Further, they informed students about the Erasmus student exchange program and about an opportunity to study at The Silesian University of Opava for a semester as an Erasmus exchange student. The session introduced the students about the education system in Czech Republic and the subjects taught at the University. The informative session served as a great opportunity for students to learn more about studying abroad and the Erasmus program. One of

our faculty members Dr. Projes Roy also shared experiences of his visit to The Silesian University under Erasmus faculty exchange program.

Dr. Jiri Martinu (Robotics)

Lecture Series on “Artificial Intelligence and Robotics”

With a view to enhance the knowledge on Robotics Engineering, Shaheed Rajguru College of Applied Sciences for women successfully conducted three days Lecture Series on “Artificial Intelligence and Robotics”. The Lecture series is delivered by Dr. Jiri Martinu, Erasmus Fellow, Department of Informatics and Applied Mathematics, Silesian University Opava, Czech Republic from February 6-8, 2019. The three-day technical talk was attended by 107 students and college faculty members of department of Instrumentation, Electronics, Computer Science and Physics. The workshop started with an introduction about Artificial Intelligence, Robotics, Sensors and Actuators. Professor Jiri Martinu showed students Robots and Simulated Robots developed at The Silesian University in Opava. Students were also introduced to Algorithms used in Robotics and the internal working of a line following robot. The lectures series focused on hands on training session on WEBOTS(a robot designing platform.) and students were taught to model, program and simulate mobile robots. Undergraduate Students have learnt about latest areas of research such as artificial intelligence, sensors and actuators and algorithms used in Robotics. Also they have learnt the application of Robotics in the field of Outer Space Applications, Intelligent Home Applications, Industry, Health Service etc. The intriguing workshop helped students hone new skills and equipped them with knowledge about the latest research in AI and Robotics.

Robotics Club in collaboration with Department of **Instrumentation** of Shaheed Rajguru College of Applied Sciences for women successfully conducted three days Lecture Series on “**Artificial Intelligence and Robotics**”. The Lecture series was delivered by **RNDr. Mgr. Jiri Martinu**, Erasmus Fellow, Department of Informatics and Applied Mathematics, **Silesian University Opava**, Czech Republic from February 6-8, 2019. The three-day technical talk was

attended by 107 students and college faculty members of department of Instrumentation, Electronics, Computer Science and Physics. The lectures gave hands-on exposure on “**WEBOT**”, a robot designing platform. Undergraduate Students learnt about latest area of research such as artificial intelligence, sensors and actuators and algorithms used in Robotics. They also learnt the application of Robotics in the field of Outer Space Applications, Intelligent Home Applications, Industry, Health Service etc.

The Erasmus + project gives us the opportunity to look beyond our country, and experience closely the teaching methodology and the process of dissemination of knowledge in the outside world. It has also given us the opportunity of interaction with faculty and students working in a different environment. This experience will help us to enumerate to our students the facilities and the working environment of the outside world. It brings them closer to what is actually developing in the world and makes them aware of the vast opportunity that exists for them. They should be able to appreciate their bases which could strengthen and prepare them for the next step of their life. The fast changing and developing world of technology needs constant interaction and futuristic approach to the present problems faced by our society and environment. This interaction shall give the opportunity to see and identify realistic solutions for these problems.

We hope that this exchange program will benefit both the universities to move towards common goals for the benefit of its students and faculty besides working for the betterment of the education system.