

January 2020 Newsletter

1. IIT Kharagpur – University of Delaware Summer Scholar Exchange Civil and Environmental Engineering Summer 2020

This undergraduate student exchange involves a 10-week research experience under the mentorship of a faculty member in the Dept. of Civil and Env. Engg at UD.

Eligibility: 3rd year UG/DD and 4th year DD students of CE, AE, OENA are eligible.

Duration: May 1 – July 10, 2020.

Funding: UD Civil and Environmental Engineering will provide \$4,500 for 10 weeks in 2020.

Students are responsible for airfares, insurance and visa fees.

Please apply through FTP.

Deadline: January 15, 2020.

2. IITKGP-University of Auckland: Jointly guided funded student projects with University of Auckland

IIT Kharagpur and the University of Auckland, NZ, have signed the Joint Doctoral Program Agreement in December 2019. Both the Institutes are looking to build up a strategic long-term academic collaboration through fully funded joint supervision of students.

The 3rd year UG student will be jointly guided by the IITKGP and UoA faculty team not only during the summer, but throughout the fourth year (as part of BTP or other project work). This joint guidance will help build up long term collaboration between the two faculty members. The year-long research collaboration may culminate in joint guidance of a student to be enrolled in IITKGP-UoA joint PhD degree program.

Interested students may contact Office of IR by end January, 2020.

3. Warwick Manufacturing Group (WMG)

IIT Kharagpur has an active student internship program with the Warwick Manufacturing Group (WMG) at the University of Warwick, UK where every year they offer funded internships to about 10 UG and PG students. As part of the internship programme, the student spends 2-3 months at WMG working on a project jointly formulated by his/her home supervisor at IIT Kharagpur and host supervisor at WMG. After coming back from the internship the student is expected to continue working on the same project at IITKGP for his/her BTP or MTP.

A list of 10 projects for B.Tech and M.Tech students have been shortlisted by WMG. Once applications are received through the IR FTP, the concerned IITKGP faculty members shall choose the students.

Deadline for Applications:

17-Jan-2020 for B.Tech.s/DDs

30-Jan-2020 for M.Techs./PhDs

Further specific details are available on the FTP website

Funding:

WMG will pay for accommodation on campus. It will also provide students with a contribution of £1,500 (pounds sterling) to undergrads and £1800 to postgrads to cover for other travel and living expenses.

4. Texas A&M University (TAMU)

As part of the student exchange program, Texas A&M University, USA will host students from IIT Kharagpur for summer internships where they are expected to engage in research and lab activities working with a faculty member. For summer 2020, two projects have been floated, details of which can be found in the FTP portal.

SUPPORT PROVIDED

- 1. Accommodation in excellent apartments within walking distance from the campus.
- 2. Airport transportation from Houston to College Station.
- 3 Welcome package.

Beyond that the students are responsible for ALL expenses.

Deadline: January 15, 2020.

As part of the reciprocal exchange, faculty members of IITKGP are strongly encouraged to float projects and host the students of TAMU for summer of 2020.

5. IITKGP Foundation USA

The IITKGP Foundation of USA has instituted a fund for the students of IIT Kharagpur, to be awarded each year for availing high-quality international research and professional internships. Grants of USD 3000-5000 will be awarded to a number of meritorious students across all levels and departments/schools/centres based on the quality of the host institution/company, the quality of the proposed internship and the academic standing of the applicant. The awardee can also arrange additional sources of support if necessary, but should duly disclose them to the Foundation.

Deadline for Application: 15 January, 2020

Application procedure: Log in to the FTP.

6. VIPRA program for Masters Degree

VIPRA is a multi-university research project on the spread of diseases through air travel (www.cs.fsu.edu/vipra), funded by the National Science Foundation. The program is recruiting graduate students in Computer Science to contribute to this research at the Masters level at the University of West Florida (UWF) where students can expect to acquire skills in parallel programming, machine learning, and software engineering in a public health context. Funding is available for multiple positions starting Spring 2020 or Fall 2020.

Eligibility and Deadlines: Please refer to

<https://uwf.edu/hmcse/departments/computer-science/graduate-programs/ms-computer-scienc>

For further details, please contact Prof. Ashok Srinivasan at asrinivasan@uwf.edu .

7. CERN Openlab Summer Student Programme

Description: CERN Openlab, Geneva, Switzerland is a unique public-private partnership that accelerates the development of cutting-edge solutions through wider scientific research. Through CERN Openlab, CERN collaborates with leading ICT companies and research institutes. Over nine weeks (June-August 2020), the CERN Openlab summer students will work with some of the latest hardware and software technologies and see how advanced ICT solutions are used in high-energy physics. The students will also attend a series of lectures prepared for them by ICT experts at CERN, in addition to the main lecture series for CERN summer students.

Deadline: 31 January 2020

Eligibility: B.Sc. or M.Sc. student with a strong computing profile (who will have completed at least three years of full-time studies at university level by next spring) in computer science, mathematics, engineering, or physics.

Link: <https://openlab.cern/education>

8. NTHU Summer Research Program

National Tsing Hua University (NTHU), Taiwan welcomes undergraduates and graduates to a two-month research experience in the College of Engineering from May 11 to July 13, 2020. Each participant will be working collaboratively with their advisor and local students on an on-going research project or a new project of mutual interest. The program offers an opportunity along with cultural experiences such as field trip around Taiwan, and social outings. Applicants will be accepted to one of the following six disciplines: Chemical Engineering, Power Mechanical Engineering, Materials Science Engineering, Industrial Engineering and Engineering Management, Nanoengineering and Microsystems, Biomedical Engineering
Application Period: November 15, 2019 – January 10, 2020
Eligibility: B Tech or Dual Degree: 3rd year and above related to above mentioned disciplines
Link: <http://eng-en.site.nthu.edu.tw/p/412-1060-3215.php>

9. Space Astronomy Summer Program

Space Telescope Science Institute (STScI) is a premier astronomical research institution located in Baltimore, Maryland, USA. Each summer, STScI welcomes a dozen highly motivated college students to Baltimore, Maryland, for the Space Astronomy Summer Program to work individually with STScI researchers and staff on projects that include data reduction and interpretation, software development, software engineering, instrument calibration and support, scientific writing, and public outreach.

Application Period: Starts from January 1, 2020

Internship Period: June 17 to August 16, 2020

Eligibility : All students in B.Tech or DD programs with excellent academic track record.

Link: <http://www.stsci.edu/opportunities/space-astronomy-summer-program>

10. Robotics Institute Summer Scholars

The Robotics Institute Summer Scholars (RISS) Program at Carnegie Mellon University, USA is an intensive summer research program for talented undergraduate students for a period of 11 weeks. Summer Scholars have the opportunity to participate in state-of-the-art research projects, interact with a diverse research team, and be mentored by leading faculty and technical staff. Undergraduate students are invited to apply by completing an online application with attachments (including a resume, transcripts, recommendations, and personal statement) from the RI Summer Scholars Program.

Deadline: January 15, 2020, at 5 PM EST

Internship Period: May 27 to August 7 2020

Eligibility:

- Must be an undergraduate during the semester following the RISS program
- GPA of 3.0 or above

Link: <https://riss.ri.cmu.edu/>

11. DESY Summer Student Program

Description: Each summer DESY, Germany offers undergraduate students in physics, natural science disciplines, and computing the possibility to participate in the research activities in the laboratory. Selected candidates join in the day-to-day work of research groups at the DESY Laboratory in Hamburg or Zeuthen (Berlin) and participate in planned research activities.

Deadline: 1 Feb 2020

Internship Period: July 21 to September 10 2020

Link: <https://summerstudents.desy.de/>