

INTERNATIONAL PROGRAMS UNDER DEPARTMENT OF EEE

S.NO.	NAME OF THE PARTICIPANT	Reg No.	YEAR	UNIVERISTY VISITED	DURATION
1	Praveen Kumar	1710911016039	III EEE	Project work at hyit, China	August 4 th to September 30 th 2019
2	Kundan Roy	161091101015	III EEE	Asia university, Taiwan	July 15 th to July 30 th 2019
3	SadiaAfreen.A	151091101028	IV EEE	Project work at Sheffield hallam University	Feburary 7 th to April 1 st 2019
4	P Mathuri	151091101608	IV EEE	Yuan zeUniversity, Taipei,	Feb 16 th to Feb 24 th 2019
	C. V. Yogalakshmi	151091101035			
	SriramSachin	151091101614			
	S.P. Suresh Raj	151091101036			
	K.S. Supraja	151091101032			
	SuriyaPrakashRajan	161091101036	III EEE		
5	L. Madeshwaran	1610191101019	III EEE	Intelligent ironman creativity contest 2k18, National Taipei University	26 th to 30 th July 2018
	Melwin Kingsley	1610191101023			

PROJECT WORK AT HUIYIN INSTITUTE OF TECHNOLOGY (HYIT), CHINA

August 4th to September 30th 2019

A group of 3 students(Praveen Kumar from EEE and 2 other students from ECE) had been to Huaiyin Institute of Technology (HYIT), China to do project work starting from August 4th to September 30th 2019.

On Day2 (06.08.2019)the students went to International office ,HYIT to see the dean and their project guide Prof. Zhutiezhu. He discussed with the students about China rules and regulations.

On Day3(07.08.2019) the students hadbeen given the plan of the week which included social work,In the after noon session the students had aobservation lab class with Chinese students.

On Day 7 (11.08.19) the students visited Minqiao village to do some social work.But,due to bad weather condition the plan was postponed.

On Day 8 (12.08.19) the students went to Minqiao village for doing social works again.

On Day10 (14.08.19) the students has visited the Beijing road campus which was the main old campus. After which they had some site seeing for the day.

On Day 12(16.08.19)the students has visited various places in the city. The students had a long weekend.

On Day 15(19.08.19)& Day 16 (20.08.19)the students did some volunteer work at Musiam of Huyiancity.

On Day 17(21.08.19) the students visited the former residence of Zhou enlai .He was one of the famous person in China. The University Dean told that, they will have to do volunteer work for

On Day 21(25.08.19) the student classes are started, and they had discussion about creativity and innovative ideas. The next 3 days students had patent learning in Chinese.

On Day25 (29.08.19)the students were given some some assignments for doing and with the help of some Chinese students they had explanation of the assignment in class. The students had to submit report for the previous week.

On Day 26 (30.08.19) the students explained their project titled“chatbot systems”. The dean was impressed with the work done by the students.

On Day 31 (04.09.19) the students explained their project to the foreign teacher Dr.Amiede who provided the students with some guidance and from the next day onwards Dr. Amiede was to guide the students for the project tilted “Health monitoring system”.

The students were doing updates in the next few days and on Day37(10.09.19) the students had completed 80% of the project work.,

On Day 38(11.09.19) the students completed the project work at HYIT and received their project completion certificate.

The students had a wonderful period and learnt useful things.

淮阴工学院电子信息工程学院

Faculty of Electronic Information Engineering, Huaiyin Institute of Technology



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SUMMER PROGRAM BASED ON ARTIFICIAL INTELLIGENCE

AT ASIA UNIVERSITY, TAIWAN

July 16th to July 28th 2019

A group of 3 students(Kundan Roy from III EEE and 2 other students from ECE) had been to Asia university for Summer Program Based on Artificial Intelligence, Taiwan starting from July 16th to July 28th2019.

On Day 1(16.07.2019) the students had Artificial intelligence opening ceremony which took place in place in conference Hall of Asia university around 9.30 A.M .Professor Cheng-yuan-Ho,Jack Chen,Yao -Nan-Lien,Anthony Y.H.Liao had a brief introduction about the university and importance of Artificial intelligence. A wonderful interaction had taken place along with the professor. Students visited the various places of the university and live demo has been taken place by their students in Artificial intelligence Experience Room.

On Day2 (17.07.2019) the students had Python class in the conference Hall, Asia University. Professor Cheng-yuan-Ho,Arbee L.P.Chen. They had given explanations of python and importance of Artificial intelligence. A wonderful interaction took place along with the professor about SSID.Students visited the various places of the university laboratory and live demo was given by their students in Artificial intelligence Lab Room

On Day3(18.07.2019) the students had Artificial internet of things (AIOT)class taken place in Electrical Engineering block,Asia university.Professor Charles N Wang,Professor Hsing Chung Chen gave explanations of data science and importance of Artificial intelligence. The session was very interactive about real world AIOT Applications. Students had hands on experience in many AIot devices and also a glance of Industry 4.0

On Day4(19.07.2019) the students had Hadoop class which took place in Electrical engineering block,Asia University.Professor Charles N Wang,Professor Jingdoo Wang gave explanations of data science and how to manage big data with hadoop.

On Day 5(20.07.2019) the students had visited sun moon lake,Yuchi Township,Taiwan. Students enjoyed the lot by means of Boat ttheir,Cycling Ttheir,Cable Ttheir.

On Day 6 (22.07.2019)the students had applications of artificial intelligence and how AI has great impact on virtual games and the role of neural networks in AI. The students did various applications of AI, medical image processing with the help of AIfor endoscopy,computer tomography, transducer, medical resonance imaging scan and the air content found in tumtheir.

On Day7 (23.07.2019) the students had learnt machine learning taken place in electrical engineering block,Asia university. Professor Charles N Wang gave explanations of Machine

learning using Microsoft Azure. The student had wonderful interaction with the professor and they Questionnaire sessions taken place.

On Day8(24.07.2019)the students had lecture on Blockchains taken. Professor Charles N Wang gave explanations about combination of Blockchains and AI. The session was very interactive. Students went to visit Modern Art museum of the University.

On Day9(25.07.2019) Professor Charles N Wang gave explanation about the final projects to submitted by the students. Professor Charles N Wang helped the students to finalize their project work. After which project demonstration practice was done by the students.

On Day 10(26.07.2019) the students presented their final project and demonstrated their results. Professor Charles N Wang gave feedback of all the projects after the student demonstration.

On Day 11 (27.07.2019), the students had time to visit various places in Taipei. On Day 12(29.07.2019) Prof.Jeffryj. P. Tsai (President-Asia university)gave opening remarks which was followed by lecture on "Information quality and governance in the age of AI" by Prof.Urs Gasser(Harvard University). A lecture on "Fake news on social media" by Prof.Micheal Kearney(University of Misstheiri) and Prof.Chi RenShyu(University of Misstheiri) gave lecture on "Fact checker on the medical news". Prof.Tusi fang Wu(Taiwan High prosecutors Office) elaborated on "Anti fake news and the fulfilment in Taiwan" and Prof.Chi Yung Chen(Asia University) explained about "Information Processing model of Believing in fake news" Prof.Zon yin Shae and Prof.Shu Mei Tang(Asia University) gave an overview on "AI block chain,Fake news and Free speech).

Then the students had certificate distribution and the farewell party.The students had a wonderful period and learnt useful information about Artificial Intelligence.





DEVELOPING A IMAGE CLASSIFIER USING TENSORFLOW AT

SHEFFIELD HALLAM UNIVERSITY

February 7th to April 1st 2019

A group of 4 students (Sadia Afreen from IV EEE, 2 students from ECE and 1 student from CSE) had been to Sheffield Hallam University to do a project titled “ Developing a Image Classifier using Tensorflow” from February 7th to April 1st 2019.

On day 2 (08.03.19) the students reached Sheffield coach station (pond forge) and reached their place of accommodation

On day 3 and day 4 (09.03.19 & 10.02.19) the students team prepared themselves for the official meeting which was scheduled on Monday.

On day 5 (11.05.19) the students had their first official meeting with Prof. Terrance (Head of International relation) and Prof. Marcos Rodrigues (Head of engineering and mathematics). There was an self introduction. After which Prof. Terrance and Prof. Marcos gave a brief description about their occupation, profession and position in the university. They also gave a brief description about the university, faculty and the infrastructure. After that technical meeting was held with Prof. Marcos and the secretary Mrs. Anne toyne. He also gave a small glimpse about python, artificial intelligence, neural networking and explained the uses of drone in a video. There was weekly one class program with Prof. Marcos. every Tuesday's from 1-3pm, where students should give power point presentation about the topics given in the previous week.

On day 6 (12.02.2019) In the Morning Prof. Terrance had allotted a general workspace area, where students can sit and work with their laptops. Dr. T. Godhavari was given a office room. The program session with was with Prof. Marcos gave the students introduction of artificial intelligence. He also gave the topic for the fore coming week

He gave the students in depth explanation about the main stream use and need of AI and deep learning. He also explained about the origin of AI. The session was very interesting

On day 7 (13.02.19) the students started working in ANACONDA platform and did a deep search about AI, neural network prepared.

On day 8 (14.02.19) Prof. Terrance and the students had small meet up in their usual place (the cutting edge) where the students were asked about respective ID card so that they can access the automatic sensor doors and SHU library. The students explored the whole campus of SHU. There is a massive student union inside the campus where the students can tell their views on the professors, etc. there is an elected student president. On day 10 (15.02.19) the students were in their workspace and started working. The student got spilted as two teams Team A and Team B.

On day 13 (18.02.19) the students discussed the PPT prepared with Dr. T. Godhavari and she gave some suggestions to students on how it actually works and student made the corrections told by her.

On day 14 (19.02.19) the students had been to their workspace accompanied by Prof. Marcos. Finally students gave their presentation and got quite a good review from Prof. Marcos. After the presentation, deeper study on artificial intelligence was presented to the student by Professor. He also gave an introduction to many open library amongst which pytorch and tensorflow are in the lead. They are open their library, pytorch was developed by facebook and tensorflow by google

brain team. He also told them to collect nearly 200 drone images and so the session was over. After which immediately student had a small meet up with Prof. Terrance

On day 15 (20.02.19) the students had some city visiting. On day 16(21.02.19), the students along with Prof. Marcos had visited the laboratory.

On day 19 (25.02.19) the students revised and prepared the presentation which was scheduled the next day. After all the preparation, practice and test trail. Later in the evening student did a little more research about certain topics.

On day 20 (26.02.19) Students along with Prof. Marcos gave their presentation and after that started programming, where student learned many things such as Convolution of neural network, linear and analytical mathematics and also solved many graphical problem in Microsoft excel. They were very much helpful in understanding the pie chart and graph of analytical.

On day 21 (27.02.19)students had a small meeting with Prof. Terrance where students were exposed to simulation sector, smart class, department of engineering and mathematics. It was so good and different. The simulation sector had a small working model of an aeroplane, that student had operated. It was so good and amazing.

On day 22 (28.02.19) students had another laboratory visit. Students visited the electrical and electronic lab, electrical and communication lab, computer science lab, mechanical lab, heavy engine lab, and also went to the research lab of robotics and had a small meeting with the head Prof. David it was an enormous experience and got to learn a lot. That was amazing opportunity.

On day 23 (01.03.19) the students had a meeting with the head of the electrical and communication engg explain about the Convolutional neural network etc.

On day 26 (04.03.19) the students had completed their PPT presentation. On day 27 (05.03.19)the students along with Prof. Marcos had technical discussion of their work and it was very difficult to build a basic programme.

On day 28(06.03.19)the students installed the visual studio application, downloading the program had several procedure, process and steps involved. After that it was the SHU fest in the campus, Prof. Terrance helped the students attend the event. It was an entertaining program and student had lots and lots of fun.

On day 29 (07.03.19) the students met Mr NanumanNaik Alumni of Sheffield HallamUniversity and he took a short and quick survey about their experience in the university and also asked whether student need any changes or suggestion about the university. It was a very new experience to all of us. After that student went to their work space and

On day 30 (08.03.2019)students went to the university, started building the program in visual studio and also did python simulation and also did advanced python encoding in anaconda and side by side were preparing for the PPT and also did the encoding program.

On day 33 (11.03.19) students went to the university and started doing their program. Student had accomplished the task given by Prof. Marcos with the help of Dr. Anandhan. The whole day student had to deal with the program and its coding procedure and tarted preparing for the slides also.

On day 34 (12.03.19)students needed to be very much proactive and be able to answer all the question raised by Prof. Marcos and presented the test trail and explained the program in depth. Prof. started the class, about the dissolution of images, accuracy of each image and pixel

assembly. These topics were very much fresh, untouched, and even unimaginable. So the next assignment for the upcoming week was to make the detection of the images in a drone.

On day 35 (13.03.19) students had to install the major application of TensorFlow. This needed quite a lot of gigabytes of storage, it even involved a lot of time because the clipboard copy had a lot to deal with the storage also. The installation took the whole day and so students were doing the study for their presentation so that students did not have to delay about the encoding. So the reinstallation and the procedure was very large and long.

On day 36 (14.03.19) the students got their program installed only by noon, and after that the students started doing the program.

On day 37 (15.03.19) the students had a photograph session. After the session of photographs they had taken interviews,

On day 40 (18.03.19) students reached university as always and then started with their program and then worked the whole day and with the guidance of Anandhan sir, students managed to complete their given task.

On day 41 (19.03.19) the students along with Prof. Marcos had a quick revision and gave their presentation and then also explained to him about the self-created program. Later professor started his class, explained a very new topic that is the re-label, this is a software that helps in the identification of the image through an image processing scheme, so the next week or the last week's assignment is to create a program with 10 max pooling layers and the image to be identified in a drone position and the identified image must be labeled.

On day 42, 43 & 44 (20.03.19, 21.03.19 & 22-03-2019) the students were busy doing the program of the images with TensorFlow, the week was very rough because it was completely technical and students all were very new to it. Students had to go through a lot of new topics, new references, and they all were completely fresh to them. But still students managed to seek all the available resources of help, during the final stage of the program and the data ran non-stop. Students went to university very regularly and then used the university's library to its zenith. And had finally made a working encoded self-program, which was able to identify the drone image irrespective of any specimen places at a higher altitude.

On day 47 (25.03.19) the students reached the university as usual as it was their last week at Sheffield. They had wide on the program analyzing, the procedure and comparing the image with its accuracy rate. Later in the evening students were doing the project and program.

On day 48 (26.03.19) the students were so happy as it was their completion day and also the day of their certification. Students had their last final session with Prof. Marcos and students executed their program and showed the rate of accuracy. Prof. Marcos had given a little more information about the encoding of program and then had a little chat with him and ended their session.

On day 53 (31.03.19) the students had their national coach to go to Manchester airport so that they could be on time for their flight to India.

The entire program was very useful for the students and they had learnt a lot of new things related to TensorFlow.





SHORT TERM STUDENT STAFF EXCHANGE PROGRAMON

DATA ANALYSIS USING PYTHON LANGUAGE

ATYUAN ZE UNIVERSITY, TAIWAN

16th Feb 2019 to 25th2019

A group of 6 students (P Mathuri, C. V. Yogalakshmi, SriramSachin, S.P. Suresh Raj, K.S. Supraja of IV EEE and SuriyaPrakashRajan of III EEE) had been to Yuan ZE University, Taiwan for a Short Term Student Staff Exchange Program on Data Analysis Using Python Language from 16th Feb 2019 to 25th 2019

On day 3(18.02.19) the students Reached the Yuan Ze University campus. The students team visited the Global Affairs Office in the University. Then had a presentation about Yuan Ze University and the Dean of Engineering, Director of Global affairs office presented their presented along with manager Mrs. Aegean Pua.Dr. FareezaFayaz gave presentation about their University and other Institutes from South India also gave presentation about their Institute. Then the team had various lab ttheirs and library visit. Paavai Institute, Namakkal. Ramachandra College of Engineering, Nellore and G Pulla College of Engineering and Technology, Kurnool are the other institutions participating.In the afternoon session, the students had various lab ttheirs.

On day 4(19.02.19) the students reached Chung Tai Restheirce Tech. A industry where old lamps and tube lights are recycled for saving the environment & humans from the effects of mercury from the fused lamps.In the afternoon session, the team reached Grape King Bio. A industry where mushroom, probatic, microorganisms are used to make health products like beauty drink, health medicines etc. It is a 50year old industry at Shanghai, Taiwan, Japan, US etc.

On day 5(20.02.19) the students had a day to explore places at Taiwan. In the morning the team arrived at Shinem Reservoir, Dahan River, NorthernTaoyuan City. A reservoir which serves water for irrigation, everyday usage to the city. It is 50years reservoir.

On day 6(21.02.19) the students had morning session class on Management Information System. After which the students and Dr. FareezaFayaz had interaction with the Head of Electrical Department where he explained the projects done and how to join in Yuan Ze University for higher studies for their students. In the afternoon had an very Interactive English Class.In the afternoon session, a group activity to represent the dream of the student.Their students represented their dream is first to become graduated in their University and then fly to Taiwan for doing their Masters.During the dinner session, Yuan Ze University gave Scholarship to their students for their PG ctheirse there. They are willing to give Suresh Raj 100% fee waiver. SriramSachin and Yogalakshmi they are willing to give 50% fee waiver. Mathuri and Supraja a

fees waiver of 20%. The Global Affair Officer head has given the Pre admission notice to each student.

On day 7(22.02.19) the students had a day to explore Taipei. Visited the old buildings , memorial hall where exhibitions are held. Then went to old Taipei shop street where traditional Taipei spices, foods etc are sold. Then the students went to Carrefour a shopping mall for the final shopping.

On day 8(23.02.19) the students visited Yuan Ze University and had a presentation on Taoyuan cultures by Dr. Li Hsiao Ching. Then visited Chintanpark and enjoyed the cold climate. Chintan Park is close to Taoyuan Station of Taiwan High Speed Rail. After which, the team went to Gloria Outlet. The team also visited the places around. In the evening session a farewell party was arranged in the University campus.







INTELLIGENT IRONMAN CREATIVITY CONTEST 2K18

NATIONAL TAIPEI UNIVERSITY

24th July to 31st July 2018

A group of 6 students (L Madeshwaran and Melwin Kingsley of III EEE, 2 students from Mechanical, 1 student from Bio-Tech and 1 student from CSE) had been to National Taipei University, Taiwan for Intelligent Ironman Creativity Contest IICC 2k18 from 26th July to 30th July 2018. The event was supported by the Ministry of Taiwan. This contest is a 72 h their non-stop competition in which the team must make a real product with their own design from the given topic. The students had a great opportunity to meet the foreign delegates and interacted with them.

On Day2 (25.07.18) the students had a basic workshop and explanation about the IICC. And on day3(26.07.18) the students had their was around the Taipei city

On day4(27.07.18)the students had the actual 72hrs of IICC event and the team of 6 members were given a task to complete the event. The next two days went on in the context

On day7(30.07.18) the students had valedictory function and the team of students were awarded 2nd place as the best presenter and designer award.





