Intel® Higher Education, India
Intel® Galileo University Program

Dear Punit Gupta,

Warm Greetings from the Intel® Higher Education Team!

Intel, as a global technology leader, recognizes that, to cater to the growing demand in the electronics industry, academia plays a pivotal role in building a high quality technical workforce. Through the Higher Education Program, we endeavor to build a more skilled workforce and an ecosystem that supports innovation and entrepreneurship.

The Intel® Higher Education Program in India works closely with premier engineering universities, research institutions and the Government, to accelerate the advancement of university curricula and research; encourage students to pursue advanced technical degrees and foster technology entrepreneurship and new technology adoption.

In India, the program has reached out to over 2,35,000 students and 4,500 faculties across 750 institutions.

Thank you for applying for the Intel® Galileo University Program. We hope that you have received the Intel® Galileo Development Kits from Intel that will help students gain industry relevant skills in the space of embedded systems and the Internet of Things technology. As we move ahead, we shall include your contacts in our database for further announcements on faculty development programs and student contests conducted by Intel® Higher Education in India.

Please find enclosed a set of display materials (Intel® Galileo fact sheet, Intel® Galileo posters and banners) for display inside and outside the Internet of Things Centre. Please do display these banners/posters appropriately in your labs.

Thank you once again for approaching us and engaging with us in promoting quality technical education in India. We are delighted to associate with your Institute and look forward to further enrich our collaboration.

Best Regards,

Sumeet Verma
Head, Higher Education and Entrepreneurship,
Intel South Asia

"Democratising IoT Skill Building and Innovation in Academia"

At Intel, we know that technology has the power to catalyse transformational change and move society forward. Over the last 15 years, Intel has had a sustained focus on promoting quality learning, advancing innovation and entrepreneurship and accelerating digital access; working with government, academia, non-profit organisations and other like-minded organisations to achieve these goals.

The rapid evolution of technology and growth of a knowledge driven economy has redefined the parameters of economic and social transformation in today's society. India recognizes the need for a workforce with 21st century skills that can capitalize on opportunities to create wealth and opportunity and help maintain its competitiveness in a global economy. At Intel, we recognise the need to collaborate and drive new thinking in the way we equip individuals with the new skills, understanding, and access to technology so that all can benefit from and be empowered by it. We must focus not only on the jobs of today but understanding and preparation for the jobs of tomorrow.

The Intel® Higher Education program in India works closely with premier engineering universities, research institutions and the Government, to build a more skilled workforce and an enabling ecosystem that supports innovation and entrepreneurship. The Program brings cutting-edge technology expertise to universities, encourages students to pursue advanced technical degrees, accelerates technology curriculum development, and fosters technology entrepreneurship and innovation through research grants, contests, forums and conferences and mentoring by Intel technologists.

The focus of Intel Higher Education over the last year has been in the domain of Internet of Things (IoT). IoT which represents the next big step in the evolution of the internet, brings along with it a change in the way we will gather, analyse and distribute data going forward. Market analysis predicts an increase in the number of connected devices from 25 billion in 2015-16 to 50 billion in 2020. In line with the global trend, there is thrust on ICT and Electronic Sector Design and Manufacturing (ESDM) by the Government of India through various programs like Digital India, Smart Cities and so on. In view of the forthcoming IoT Policy in India, the Internet of Things becomes an immensely important area of growth.

There is a huge gap in the demand and supply of employable workers in the electronics industry; a gap that is attributed chiefly to technology graduates lacking desired levels of domain knowledge and the ability in applying core engineering concepts towards solving real world problems. According to the National Employability Report 2015, only 6.57% of engineers are employable for Design Engineer roles (Electrical Design Engineer (6.50%) & Electronics Design Engineer (7.07%)). To close this gap and build a high quality technical

workforce, providing access to relevant technical infrastructure (hardware/software) and building capacity and skills around IoT becomes the immediate need.

Intel has been building competencies within the IoT since 2014 through IoT competency centres. Intel has set up more than 100 IoT Centres in institutes across India (as of December 2015) through the donation of hardware (Intel® Galileo boards and/or Intel® Edison boards). As part of this engagement, Intel in collaboration with the academic institutes has conducted a number of capacity building programs for faculty and students. These programs are focussed on integrating IA as part of the teaching curriculum and encouraging students to work hands-on and build technology solutions to local problems. These activities have been carried out under programs such as the Intel India Embedded Challenge, CxC Program, Rural CxC Program, Intel Galileo University Program and Innovate for Digital India.

The next step in this engagement is to understand how to take this innovation journey forward. Given the current trend of technology graduates aspiring for entrepreneurial success (National Employability Report, 2015), there is a dire need to channelize the innovations born out of laboratories and classrooms into scalable and impact generating products in the market. To facilitate this process, a robust ecosystem that is accessible to innovators across the spectrum – urban and rural; premier (tier 1) and tier 2 colleges - is the need of the hour. This ecosystem should encourage collaboration between its stakeholders to enable student innovators in the transition of their basic research/prototype to practical applications usable by the end user. Further engagement and collaboration between industry, academia and the government is paramount.

July 14, 2015

Prof. Punit Gupta,
Jaypee University of Information Technology,
Dept of CSE,
Solan, Uttar Pradesh

Dear Sir:

Intel Semiconductor (US) LLC, is pleased to donate to Jaypee University of Information Technology the equipments described in the attached addendum, to support Intel® Galileo board based innovation skills, and student/research projects in the field of Internet of Things (IoT).

This donation represents a contribution with a fair market value of about US$1100.

We request you to share progress report with Intel every 6 months mentioning utilization of the donated equipment (including number of students and faculties using the donated equipment) from the date of receipt of the donation for 2 years.

It is our understanding that this donation may be acknowledged in publications, press releases and publicity, if any. We request copies of these materials as they become available. Acknowledgements of the donation should be made to Intel Semiconductor (US) LLC.

Intel is pleased to be a continuing collaborator in the advancement and support of higher education. We look forward to the contribution this equipment will make to the education of your students and to your curriculum, project work and/or research. Should you have any questions, please do not hesitate to contact Sumeet Verma, who is authorized to be the coordinator of this donation program. His email address is sumeet.verma@intel.com and contact number is +91-9731561853.

Sincerely,

Anjan
Ghosh

Digitally signed by Anjan Ghosh
DN: cn=Anjan Ghosh, o=Intel Corporation, ou=Corporate Affairs, email=anjan.ghosh@intel.com, c=SG
Date: 2015.07.16 13:23:39 -05'00'

Anjan Ghosh
Authorized Signatory
Intel Semiconductor (US) LLC

INTEL LEGAL OK

Sridhar   July 14, 2015

Sridhar, H.N.
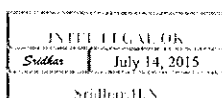
Intel Semiconductor (US) LLC
ACKNOWLEDGMENT OF DONATION

Prof. Punit Gupta,
Jaypee University of Information Technology,
Dept of CSE,
Solan, Uttar Pradesh.

This is to acknowledge that the following donation has been made by Intel Semiconductor (US) LLC:

20 Intel® Galileo board

This agreement confirms that:

1) No goods or services were provided to Intel Semiconductor (US) LLC in return for the donation.

2) Recipient agrees that the donated property was not accepted with the intent of resale or trade.

3) No restrictions per se are imposed on this donation except that it be used to support curriculum, student projects and/or research. No overhead costs are included in this donation.

I affirm that the information provided above is true and correct:

Signature: _____   Title: __HOD CSE__

Printed Name: _Prof Dr SP GHRERA_ Date: __16 July 2015__

This letter must be signed by either the Dean or Department Chair, or authorized official acting on their behalf.

(Prof. Dr. Satya Prakash Ghrera)
Head of Department
CSE, IT and ICT
Jaypee University of Information Technology,
Waknaghat, Distt.- Solan (HP) 173234, India

DIREM Marketing Services (Bangalore) Pvt Ltd
22 Krishna Reddy Colony, Domlur Layout, Bangalore 560071

To

DELIVERY CHALLAN

Punit Gupta
Assistance Professor (Dept of CSE)
Jaypee University of Information Technology Road
Waknaghat, P.O. Waknaghat
Teh Kandaghat
Solan

DC No   A0183/15-20
Date   21 July 2015

SI No	Item/Description	Quantity
1	Intel Galileo2 Board - H Ed	20
2	Higher Education IOT Panel	1
3	Higher Education IOT Banner 3 x 1 5	1
4	Higher Education IOT Poster	1
5	Higher Education IOT Leaflet	1
6	Higher Education IOT Sticker	1
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Irin Arundathi