

Human resource development in the railway sector –

For expanding the Indo-Japan collaboration

Japanese collaboration through Overseas Development Aid, so called as soft loan extended to the railway sector, is well known because of the great success with the Delhi Metro Project. Such collaboration has been expanding to not only other metro projects of Bangalore Metro, Chennai Metro and the Kolkata Metro(East-West line) but also to The Dedicated Freight Corridor Project(Western Corridor) all over India. This cooperation has been now set to expand with interest in building a high speed rail network in India. In a joint statement released by PM Abe and PM Singh in May 2013 in Tokyo, both governments agreed to conduct a joint feasibility study of a high speed rail link between Mumbai and Ahmedabad (500km). In order to build, operate and maintain modern railway infrastructures based upon new technology, India needs to invest in developing the necessary human resources specifically for the technology transfer and new business model when a new challenge is done by India. Our University believe that the wide range of Master's and PhD degrees in Civil Engineering and Infrastructure Studies, Mechanical Engineering, Electrical Engineering and Master of Public Policy/ International Program are an ideal fit for Indian professionals in Indian Railway and the metro companies, who wish to gain expertise in Japanese technology, engineering, design and business practices and play a critical role in developing railway infrastructures in India including high speed rail.

IIT/IIM 5 Professors visit UTokyo (June 6, 2013)

To introduce Japanese high speed rail technology and cutting edge research in the field, five professors from IIT-Kharagpur and IIM-Ahmedabad were invited to Japan for June 3 -8 by Japan External Trade Organization (JETRO) and The University of Tokyo (UTokyo). The professors were welcomed by the railway sector parties in Japan headed by the Ministry of Land, Infrastructure, Transport and Tourism (MLIT), including the East Japan Railway Company and Japan International Consultant, Railway Technology Research Institute (RTRI), Japan International Cooperation Agency (JICA), Japan Overseas Rolling Stock Association (JORSA) and other Japanese railway relation companies. The five-day visit involved meetings with government officials, university professors, engineers in the railway companies and site visits to the bullet train maintenance facility, operation center, Tokyo station, and the RTRI research laboratory. They enjoyed their travel by Tohoku Shinkansen with the speed of 300km/hr between Tokyo and Sendai and visited the cockpit in order to see such high speed driving technique.

At UTokyo's Hongo campus, the Indian delegation met with their counterparts in the Department of Engineering and discussed their research, potential areas of collaboration and ways in which the required human resources can be developed in India. In the afternoon, they visited Shibaura Institute of Technology as well.

Below is a picture taken during the networking session and the list of Professors.

Photo: Dean Harata, Graduate School of Engineering, UTokyo with the professors and other participants at the interactive session held at UTokyo Hongo Campus on June 6, 2013.



IIT & IIM Professors visit to Japan, Meeting at UOT June 6, 2013

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Department of Mechanical Engineering	工学系研究科機械工学専攻 工学博士 鈴木雄二 教授 Prof. Yuji SUZUKI Department of Mechanical Engineering, School of Engineering Research: Micro Thermal and Fluid System http://mesl.t.u-tokyo.ac.jp/users/ysuzuki/index.html 生産技術研究所 千葉実験所所長 先進モビリティ研究センター長 工学博士 須田義大 教授 Prof. Yoshihiro SUDA Director of Chiba Experiment Station Director of Advanced Mobility Research Center (ITS Center) Research: Advanced Mobility Research http://nozomi.iis.u-tokyo.ac.jp/index-e.html	Prof. Subhansu ROY Co-Prof.-in-Charge Department of Mechanical Engineering, IIT-KGP Center for Railway Research http://www.iitkgp.ac.in/fac-profiles/showprofile.php?empcode=aVmUT

First engineer from Delhi Metro enrolls at The University of Tokyo

The University of Tokyo (UTokyo) welcomed the first working professional from Delhi Metro, an engineering graduate from IIT Roorkee, Mr. Karmresh Kumar Varma to the English Master's program in Civil Engineering and Infrastructure Studies in October 2013. Mr. Varma is the first employee of Delhi Metro to be dispatched on a two-year higher education program for professional development. Discussions between the University of Tokyo India Office and the former Managing Director of Delhi Metro, Dr. E. Sreedharan regarding the education of Delhi Metro employees at UTokyo's Master's program first began in December 2011. In February 2012 the new MD, Mr. Mangu Singh officially wrote to our University about sending their engineer to our University. After candidates were nominated by Delhi Metro, applications were made to the Department of Civil Engineering.

Photo: Representatives from The University of Tokyo and Delhi Metro at the press meet which took place on June 11, 2013 at the Delhi Metro headquarters. Mr. Varma is seated in the first row, second from left.



The University of Tokyo representative visits Center for Railway Research,

IIT Kharagpur

Following an invitation from IIT Kharagpur, Prof. Yozo Fujino representing The University of Tokyo, visited IIT Kharagpur on September 25, 2013 along with members from the Japanese Embassy, Japan International Cooperation Agency (JICA) and Japan External Trade Organization (JETRO). After a special welcome by the Director, the delegation visited the new Center for Railway Research following which they had a fruitful discussion on facilitating Indo-Japanese collaboration in research in high speed rail technology.

Photo: Representatives from the Japanese Embassy, JICA, JETRO and The University of Tokyo with IIT Kharagpur professors



Professor Suda delivered his lecture at the International Conference
on High Speed Railway in New Delhi

On October 29, 2013, Prof. Yoshihiro Suda of the Institute of Industrial Science, Graduate School of Engineering, The University of Tokyo was invited to the International Conference at Vigyan Bhawan, New Delhi on High Speed Rail Travel and Low Cost Solutions organized by the Institute of Rolling Stock Engineers (IRSE) with support by Indian Railways and RITES Limited, where he delivered a lecture. Prof. Suda's paper was titled "Effects of Wheel-Rail Contact Geometry on Running Performance for High Speed Rail Vehicles." During his two day visit to Delhi, Prof. Suda also visited the Ministry of Railways to discuss higher education of engineers at his research laboratory and the potential of joint research.

Prof. Suda at the conference on high speed railway organized in New Delhi

