

Vision

- To create high quality leadership and management capacity for the infrastructure sector and also create an understanding of the sustainability dimensions impacting the sector, by delivering quality education, contextual research and continuous outreach

Mission

- Create top-quality educational and training programs
- Facilitate learning through online programs
- Undertake research that is contextual to the Indian and developing country context
- Develop tools and decision support systems to support the infrastructure practice
- Undertake continuous outreach to support the sector
- Serve as a "Go to" place for the infrastructure sector in India and abroad

PLIIM focuses its efforts around the following themes:

- To create top quality management capacity for the Infrastructure Sector.
- To undertake research that finds solutions that the infrastructure industry faces.
- To become a one-stop shop for data and information on the infrastructure industry. It seeks to be a "Go To" place for any questions on the Infrastructure industry.

Towards this end, it would leverage the in-house knowledge and skills within the faculty at ISB as well as its partner institutions abroad, in addition to forging additional partnerships with leading institutions abroad in the transport, energy, urban and real estate sectors.

EDUCATION

The Punj Lloyd Institute of Infrastructure Management, Indian School of Business has launched a one-year certificate programme named as Advanced Management Programme in Infrastructure Management (AMPI).

The specialized programme caters to mid-career professionals and provides a structured approach of developing infrastructure leaders in an interdisciplinary environment of learning. It uses blended approach of delivery- a good mix of classroom and online platform. This helps participants minimize disruption at work and personal pursuits.

The courses taught in the second offering (2017–18) were Business Communication, Fundamentals of Economics, Fundamentals of Finance, Managerial Statistics, Social and Environmental Issues in Infrastructure. Contract Management, Fundamentals of Marketing and Communications, Infrastructure Economics and Regulation, Project Management and Operations Research, Infrastructure Finance, Leadership and Change Management, Public Private Partnerships, Stakeholder Analysis, Negotiations, Developing an Entrepreneurial

Venture for Infrastructure, Strategic Planning for Infrastructure and Legal Issues and Dispute Resolution.



Besides the courses, the participants have had interactive guest lectures with prominent speakers such as Vini Mahajan, Additional Chief Secretary, Government of Punjab, Vignesh Nandakumar, former Vice President, SunEdison, Radheyshyam Julaniya, Principal Secretary, Government of Madhya Pradesh, Rohit Chandak, Chief Financial Officer at Ayana Renewable Power Private Limited (CDC Group UK's renewable energy platform for India and South Asia), Dr. Chandan Chowdhury, Executive Director, Punj Lloyd Institute of Infrastructure Management and NVS Reddy, Managing Director, Hyderabad Metro Limited.



The participants who attended the second offering of the program were from reputed public and private organizations like National Highway Authorities of India, Kuwait National Petroleum, ESSAR, SREI Infrastructure, Omkar Realtors, Novartis, APIIC, Bengal Shristi, Mantena, INTACH New Delhi among others.

The faculty who taught in the course were Kanishka Sinha, founder Stillwater Consulting, Shilpa Aggarwal, ISB; Ramabhadran S Thirumalai, ISB; Vaidyanathan Krishnamurthy, ISB; Jit Bajpai, Columbia University; K Venkatesh, L&T Infrastructure Development Projects; DVR Seshadri, ISB; Sisir Debnath, ISB; Kumar V Pratap, Ministry of Urban Development, Government of India; MR Rao, ISB; Vaidyanathan Krishnamurthy, ISB; S Ramnarayan, ISB; AJ Chauradia, ISB; Amit Nandkeolyar, ISB; Kavil Ramachandran, ISB; OP Agarwal, World Research Institute; V. Nagaraj, National Law School.

Participation of NHAI executives at the Advanced Management Programme for Infrastructure (AMPI):



The National Highway Authority of India has endorsed the quality and content of the programme by sending their mid and top level executives to both the editions. The first batch had five participants from the organization and the second batch had six nominations.

RESEARCH

Digital Life Index:

There is a lack of comprehensive and coherent data and evidence on the state of the existing digital infrastructure in Indian cities. This gap provided the motivation for the Digital Life Index of Indian Cities report. Our report on the Digital Life Index of 15 Indian Cities provides a quantitative measurement of the demand for and supply of digitisation across seven indicators – transport, finance, retail, healthcare, education, media and administration.

The institute under the guidance of Professor Sanjay Kallapur did a study to provide a quantitative measurement of the progress of secondary digitalization in 15 earmarked cities. The project was completed in September. The project has been submitted to Professor Kallapur for his inputs. Dr. Chowdhury also reviewing it.

Electric Vehicles Roadmap in India

Vehicular Emission and commitment to Paris Climate change has led to adoption of electrical vehicles by many major economies globally. Countries like China, U.S.A, Norway, Netherlands and Japan have seen a huge growth in electric vehicles. This was primarily due to the fact that these countries had favorable Fiscal, Financial and other policies which made electrical vehicles more competitive and cost efficient as compared to conventional fuel vehicles.

India being one of the major automobile markets however could not see a considerable growth in the adoption of electric vehicles. Previous Government policies and incentives had a little impact for upscaling electric vehicle deployment in India. Our research shows that both the consumers are skeptical for buying electric vehicle and the manufacturers hesitant to manufacture electric vehicle. So to overcome this barrier and upscale the electric vehicle deployment we analyzed the Indian electric vehicle market.

Case study of DND Flyway: A brief background

When the Honorable Judges headed by Mrs. Sunita Agarwal spelled the verdict on a clear Wednesday afternoon on October 26, 2016 for a long standing Public Interest Litigation (PIL) against collection of tolls at the Delhi-Noida-Direct Toll Bridge, it was the moment of truth for all its stakeholders. The Allahabad high court, hearing a PIL from Noida Resident Welfare Associations, had produced a judgment that Noida Toll Bridge Company can no longer charge a toll to users for driving on the bridge...

While the road users were relieved at the verdict, the other stakeholders had to swallow the hard pill. The report evaluates the concessions, contracts and consequences vis a vis the DND flyway project. The case study has been completed and is currently under review by the executive director & the Associate Director.

Article on for Smart Cities

The newly developed Smart Cities Index by ISB provides a comprehensive framework for assessing the quality of city services for the 53 million plus cities in India across a variety of characteristics. Analysts at the Punj Lloyd Institute of Infrastructure Management at ISB Ashish Mohan and Tryambakesh Shukla, reveal the journey behind the development of the Index and highlight gaps that hinder urban development in India. The article was published in ISB Insights.

Urban scope:

The institute prepared a **Databook on 53 most populous Indian cities**. The publication highlights the state of urban infrastructure, services, and governance in top cities of India. The data book is complete and is hosted on Institute's website and it will be shared with the stakeholders as well.

OUTREACH

Lecture on Demonetization

The Institute organized a lecture on "Demonetization and Black Money" by Dr Rajan Katoch, former secretary, Government of India on 22nd of April at Mohali Campus.

Guest Lectures

Ms Vini Mahajan, Addl. Chief Secretary, Punjab; Vignesh Nandakumar, former VP, SunEdison; Radheshyam Jhulaniya, Principal Secretary, MP, Rohit Chandak,

Guest Lecture by Prof Richard De Neufville

Prof Richard De Neufville, Professor of Engineering Systems, MIT, conducted three sessions on Practical Real Options Analysis, Valuing Projects with Flexibilities and Managing Projects under uncertainty.

Quarterly Newsletter

Four editions of quarterly newsletter 'Infra Now' were released during the year. Infra Now carries opinion pieces, industry updates and interviews by senior experts.

TiE – ISB Connect:

Dr. Chandan Chowdhury moderated the session on '**Infrastructure Landscape – Unlimited Opportunities**' on 8th September 2017 at the Hyderabad campus. Other panelists were Sujoy Bose, CEO, National Investment & Infrastructure Fund and Rahul Narayan, Founder, Team Indus.

Special Interest Group (SIG) Launch: The special interest group for Infrastructure was launched on the 27th of January. The event was attended by the current batch of AMPI participants, Alumni, students from PGP and staff at ISB.

Rount Table: "Infrastructure – Challenges faced and the way forward' was held. The speakers were Athar Shahab, CEO, Nabha Power; Manya Ranjan, Head, Sterlite Power; OP Agarwal, CEO,

WRI; Dr Chandan Chowdhury, Executive Director, Punj Lloyd Institute of Infrastructure Management. The moderator was Dr Kinshuk Saurabh, Associate Director, Punj Lloyd Institute of Infrastructure Management.



Round table: Participated in round table on ‘**Designing India’s first incubator for civil society organizations in Clean Energy**’ moderated by Dr. Ashwini Chhatre, ISB, 29th August 2017

News articles

- Smart City Index in ISB Insight.
- Electric Vehicles – Roadmap for upscaling in India (under process with CLMP).

Research Proposals Submitted:

- Smart City Index 2.0 submitted to Fluentgrid
- Chandigarh Smart City submitted to Governor Chandigarh
- Capacity Building for Smart City; submitted to Govt. of J&K
- Capacity Building and Human Resource needs for Govt. of Bihar
- Feasibility of Electric Bikes as a mode of urban transport: market and opportunities in India: submitted to Bosch
- Study on power reforms in India with a focus on competition and market based tariff in electricity transmission sector; Sterlite Power
- Investments in transmission infrastructure and economic growth; submitted to Sterlite Power
- Feasibility of Personal Rapid Transport System: submitted to Fairwood
- Intelligent Transport System: Submitted to BMW
- Electric vehicles: roadmap and challenges Submitted to BMW

SDP Proposals

- # 5 SDP courses submitted to CEE
- # 1 SDP course on “Infrastructure Management” submitted to Sterlite Power
- # 1 SDP course on “Training of NHAI officers on Roads and Highways” to NHAI