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IIT Delhi partners with ILBS to enhance medical research

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To help in critical identification of the problems faced by the practicing doctors



Indian Institute of Technology Delhi (IIT-D) and Institute of Liver and Biliary Sciences (ILBS), Delhi have signed an MoU to establish 'ILBS-IITD Collaborative Platform' initiating wide-ranging collaborations involving academic, research, product, process and human resource development.

The MoU was signed by Prof V. Ramgopal Rao, Director, IIT Delhi and Dr. SK Sarin, Director, ILBS, Delhi.

The mission of the ILBS-IITD Collaborative Platform is to help in critical identification of the problems faced by the practicing doctors in metabolic and liver diseases, ranging from the primary health center to tertiary care super-specialty hospitals and to initiate the work jointly by the engineering and medical teams for sustainable solutions.

The scope of collaboration focuses on liver diseases and encompasses (i) to make intramural funding for the projects in both IIT Delhi and ILBS, to initiate the collaborative research among different medical and engineering disciplines of these two institutions (ii) To allow registered Ph.D students of both institutions to attend lectures and courses relevant to their area of research in each other's institutions and (iii) imitating joint Ph.D supervision and developing Technology Business Incubator (TBI).

The thrust areas of collaboration include (i) Use of Artificial Intelligence in Liver & Biliary diseases(ii) Bio-sensor development (iii) Computational biology and Big Data (iv) Material Sciences, Liver Dialysis Membranes and Machines (iv) 3D Bio-printing, Bio-artificial Liver (v) Process such as regenerative tissue growth (vi) Use of nano-science in diagnosis and effective drug delivery (vii) Applied principles and design concepts of engineering to healthcare and (viii) Establishment of an Incubation Center at ILBS, with the help of Foundation for Innovation and Technology Transfer or FITT (IIT Delhi).