

**LIST OF SELECTED PROJECTS UNDER INDO-US 21ST CENTURY
KNOWLEDGE INITIATIVE (4TH CYCLE)**

Sr. No.	Title of Project	Name of Indian PI & lead Institutions	US partner Institutes
1.	Semiconductor Chip/chiplet based novel approaches for efficient Solar-Water Splitting: a) Photoelectrochemical Hydrogen Generation: b). Photo catalytic Hydrogen Generation	Prof. Rohit Shrivastav, Department of Chemistry, Faculty of Science Dayalbagh Educational Institute, Dayalbagh, Agra- 282005 Uttar Pradesh	Arizona State University, Mesa AZ 85212, USA
2.	Indo-US initiatives on innovative reforms in marine biotechnology education and research and development of sustainable aquaculture production systems for inclusive economic growth and sustainable development	Prof. I.S. Bright Singh, Professor & Coordinator, Cochin University of Science and Technology, National Centre for Aquatic Animal Health, lake Side Campus, Fine Arts Avenue, Kochi-682016, Kerala	Scripps Institution of Oceanography, University of California, San Diego, USA
3.	Indo-US Collaboration for Training in Environmental Health Sciences	Prof. N.U Khan, Head, Department of Social Work, Faculty of Social Sciences Jamia Millia Islamia, Jamia Nagar, New Delhi-110 025	University of Minnesota, Minneapolis, USA
4.	Augmenting the Curriculum of Higher Educational Institutions with an On-Line Integrated Cognitive-Based Employability Skills Assessment System using Signal and Video Analytics	Dr. P. Shanmugavadivu, Associate Professor & Head, Department of Computer Science and Applications Gandhigram Rural Institute (Deemed University), Gandhigram-625302, Diindigul Dist., Tamilnadu	Asai Asaithambi, School of Computing, University of North Florida, USA