# Converting Theory to Practice - Dr. Jayatu Sen

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| **Name of the faculty** | Dr. Jayatu Sen Chaudhury |
| **Position** | Professor of Finance and Analytics<br>Leading DataLab Initiative for Great Lakes |
| **Qualification** | PhD, MA (Economics), UGC National Scholarship Holder |
| **Experience & Expertise** | -26 years of corporate experience – in the BFSI Sector – India and International. Have specialized in the following things:<br><br>a. Set up Analytics Center of Excellence for Large Banks and Financial Institutions – For Risk Management and Marketing Applications. Lead the Indian Analytics Center for the MNC.<br><br>b. Ability to Convert Business Problems into Analytical Steps, solving them with Data and Implementing the Solutions at Scale for the Enterprise<br><br>c. Established Big Data and Machine Learning Capabilities and its Application for Business at Scale for MNC<br><br>d. Chaired Global Modeling Committees and Successfully defended the Modeling Solutions to US Regulators.<br><br>e. Board Member for the Indian Business for MNC and was Core Member of the India Leadership Team which together managed 25K Employees. |
| **Course Name and Year** | Fintech & Financial Risk Analytics, AY 2023-24 onwards |
| **Area of Difficulty/Improvement** | Low retention of session-wise knowledge/information/takeaways |
| **Description of the Difficulty/ Need for improvement** | Students forget very quickly the learnings and takeaways of each session of a course. Most students are new to Fintech and Risk Management as a subject. These courses have a lot of information download which they hear for the first time. The rate of retention needs to be improved. |
| **Innovation Name** | Converting Theory to Practice: Solving Real World Business Problems in the Class with Real Data and application of Analytics. |

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| **Description of the Innovation** | Post explanation of a new concept in the class, it is followed by a business problem with real world data which is application of the concept discussed that day.<br><br>Students are guided to develop the solution drawing lessons from the concept.<br><br>The solution is then explained in the class with some of the students being asked to present the solution to rest of the class.<br><br>The Next Class develops a New Concept building on what was discussed in the previous class.<br><br>Frequent Summarization of the lectures when a few classes has happened in related concepts.<br><br>Encouraging Students to Explore Solutions using Generative AI – ChatGPT also helps them in applying the concepts learnt. |
| **Learning Outcomes** | The Students Learn the application of Important concepts in Risk Management and Fintech to Real world.<br><br>Discussion of the Results helps them to understand and appreciate the nuances of the different solutions.<br><br>Discussion of Past Financial Events in light of the concepts discussed in the class, helps the students in improve their understanding of the concepts. |
| **Other significant outcomes** | Using ChatGPT and Next generation tools also helps them in asking good questions and explore the concepts deeper. |
| **Assessment of Innovation**<br>**a. Is effectiveness tangible**<br>**b. If YES, Evidence of effectiveness** | a. Effectiveness is tangible for sure.<br><br>b. Better performance of the Students in the Case Study Presentation and End Term Exams (which is Open Book) asking questions on application of concepts to real world problems. |
| **Is it Replicable?** | YES |
| **Any other Remarks** | Focusing the Course on Application to Real world events situations builds greater confidence in students to face the new world. And nudging them to use the next generation tools like ChatGPT as aids to develop better solutions helps them to be better position for the job market of the future. |