

**Mathematical Society of the Philippines**  
National Capital Region  
First Lecture Series  
Hosted by  
Department of Mathematics  
Centro Escolar University- Mendiola Campus

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| 7:00 – 8:00   | Registration   |
| 8:00 – 9:00   | Invocation   |
|               | Philippine National Anthem   |
|               | Welcome Remarks<br>Dr. Theresa R. Perez<br>Assistant Vice-President for Academic Affairs<br>Centro Escolar University                  |
|               | Inspirational Talk<br>Dr. Fidel R. Nemenzo<br>President, Southeast Asian Mathematical Society<br>Former President, MSP                 |
| 9:00 – 10:30  | Talk # 1 – “Card Tricks and The Pigeonhole Principle”<br>Dr. Diana R. Cerzo<br>Institute of Mathematics, University of the Philippines |
| 10:30 – 11:00 | Merienda break   |
| 11:00 – 12:30 | Talk# 2 – “Transformative Learning in Mathematics Education”<br>Dr. Auxencia A. Limjap<br>Dela Salle University                        |
| 12:30 – 1:30  | Lunch  |
| 1:30 – 3:00   | Talk # 3 – “The Google Matrix”<br>Dr. Ma. Nerissa M. Abara<br>Institute of Mathematics – University of the Philippines                 |
| 3:00 – 4:30   | Talk # 4 – “On Ant Colony Optimization”<br>Dr. Carlene P. Arceo<br>Institute of Mathematics – University of the Philippines            |
| 4:30          | Closing Remarks<br>Rex M. Calingasan<br>President, MSP-NCR   |

Dr. Rhoda C. Aguilar  
Master of Ceremonies