



**CHILDREN'S  
UNIVERSITY**

**DEPARTMENT OF TOY INNOVATION**

**CERTIFICATE COURSE IN  
TOY MAKING AND JOYFUL LEARNING**

## Course Name: Toy Making and Joyful Learning

Paper Code :- TMJL-101  
Paper Name :- Toy Making  
and Joyful  
Learning  
Total Seats :- 35

Credit :- 03  
Department :- Toy Innovation  
Course Type :- Core  
(core/Elective/  
Foundation/Generic)

### Course Objectives:

- Keeping experiential learning and play centric approach to create learning for kids.
- Engaging kids with fun based activities in a meaningful ways.

### Course Content:

Unit	Topic	Content	Unit wise SLO	Hrs.
1	Introduction to Different types of Toys and Components	<ul style="list-style-type: none"><li>• Different Toys</li><li>• Scissors</li><li>• Cutter</li><li>• Glue</li><li>• Scale</li><li>• Tape</li><li>• Wooden Sticks</li><li>• Candy Sticks</li><li>• Rubber Bands</li><li>• Straw</li><li>• A4 Size Paper</li><li>• Plastic Bottles</li><li>• CD disc</li><li>• Balloons</li></ul>	Familiarize yourself with the types of toys and different materials used for toy making.	6
2	Toys based on Flying, Paper and	<ul style="list-style-type: none"><li>• Parachute</li><li>• Flaying Tumbler</li></ul>	Will gain the understanding of	14

	Plastic Bottle	<ul style="list-style-type: none"> <li>• Paper Glider</li> <li>• Paper Dustbin</li> <li>• Flapping Paper Butterfly</li> <li>• Square Paper Spinner</li> <li>• Name Plate with Paper</li> <li>• 3-D Star with Paper</li> <li>• Balloon Car</li> <li>• Bounce Ball</li> </ul>	the concept of Newton's Law and air resistance	
<b>3</b>	Toys Based on Pressure, Light and Sound	<ul style="list-style-type: none"> <li>• Bag Jack</li> <li>• Hydraulic Jack</li> <li>• Hover Craft</li> <li>• Bottle Shower</li> <li>• Small is Strong</li> <li>• Simple Rainbow Spectrum</li> <li>• Colour Wheel</li> <li>• Balloon Bugle</li> <li>• Straw Whistle</li> </ul>	Will gain the understanding of concept of the aerodynamics and recycling	<b>14</b>
<b>4</b>	Toys based on Spinning , Math and Puzzle	<ul style="list-style-type: none"> <li>• Two Way Fan</li> <li>• Bottle Turbine</li> <li>• Tornado Well</li> <li>• Multiplication Table Wheel</li> <li>• Triangle to Square</li> <li>• No Glue Cube</li> <li>• Circle to rectangle</li> <li>• Square to Cylinder</li> <li>• Which holds more?</li> <li>• Matchsticks Puzzle 1</li> <li>• Matchsticks Puzzle 2</li> </ul>	Will gain the understanding of concept of the Newton's Law, Mathematics and different shapes	<b>14</b>
<b>Total Hours</b>				<b>48</b>