



**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">• Different Toys• Scissors• Cutter• Glue• Scale• Tape• Wooden Sticks• Candy Sticks• Rubber Bands• Straw• A4 Size Paper• Plastic Bottles• CD disc• Balloons	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">• Parachute• Flying Tumbler	Will gain the understanding of	14

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