

**B. K. BIRLA COLLEGE OF ARTS, SCIENCE AND COMMERCE (AUTONOMOUS),
KALYAN**

CERTIFICATE COURSE



B. K. Birla College of Arts, Science and Commerce (Autonomous), Kalyan

Department Of Computer Science

Certificate Course In Scratch Programming

We wish to start certificate course in Scratch Programming .Interested students can register on below link.

Tentative Schedule is as follows:

Scratch



Scratch Programming

- Create and explore your own ideas and convert them into games.
- You can make your own games once you are familiar with scratch programming
- With scratch you can program your own interactive stories,games and animations-and share your creation with others

Course Details

Introduction to Scratch Programming along with hands-on training session

Tentative Fees: 1000/- (Participation Certificate Inclusive)

Course Duration:30 hrs. (Theory:12hrs, Practical:18hrs) Credits:02

Open for all candidates

Scratch Registration Link

<https://forms.gle/Y7BfSmiCFeDb7ASW9>

For any queries contact

Mrs Pritam Kamble 9769449049

Mrs Drishti Gangaramani 9975496917

B.K. Birla College of Arts, Science and Commerce (Autonomous)

Certificate Course- “Scratch Programming”

Course Outcome:

- 1.To learn in a meaningful context
- 2.To study the process design
- 3.To learn experiments
- 4.To build perseverance
5. To learn problem solving technique

	Part 1:Scratch Basics
I.	Introducing Scratch Getting to Know Scratch
II.	Creating Your First Scratch Application Creating a New Scratch Project Changing Sprite Attributes Adding Code Blocks Saving Your Work
III.	Getting Comfortable with the Scratch Development Environment Getting Comfortable with the Scratch IDE Getting Familiar with Menu Bar Commands Running Scratch Applications on the Stage Running Applications in Presentation Mode Controlling Application Execution Working with the Sprite List Generating New Sprites Tracking Mouse Pointer Location Working with the Scratch Toolbar . . .
IV.	Mr. Wiggly’s Dance—A Quick Scratch Project Programming with Scratch Creating the Mr. Wiggly’s Dance Application
	Part2: Learn How to write Scratch Programs
I.	Moving Things Around Working with Motion Code Blocks Moving and Rotating Sprites Setting Sprite Direction Repositioning a Sprite Changing Sprite Coordinates Bouncing Sprites Around the Stage Keeping Track of Sprite Coordinates and Direction Creating the Virtual Scratch Fish Tank

II.	Sensing Sprite Position and Controlling Environmental Settings Working with Sensing Code Blocks Retrieving Mouse Button and Coordinate Status Determining when Keys Are Pressed Determining when Sprites Collide with Other Objects Determining Distance Working with a Timer Retrieving Stage and Sprite Data Creating the Family Scrapbook Application
III.	Drawing Lines and Shapes Clearing the Stage Area Drawing with the Pen Setting Pen Color Changing Pen Shade Working with Different Size Pens
IV.	Conditional and Repetitive Logic Introducing Scratch Control Blocks Event Programming Pausing Script Execution Executing Loops Developing the Ball Chase Game

B. K. Birla College (Autonomous), Kalyan	
Department of Computer Science	
Certificate Course in Scratch Programming	
Academic Year- 2019-20	
Sr. No	Name
1	Mohammed hanif
2	Mrinmayi Naresh Walanj
3	Bakul Soni
4	Hani Santosh Gupta
5	Khan Aabid Abdal Mashkoor Ahmad
6	Vishakh L Iyer
7	Ninad D Chaudhari
8	Alpesh Meshram
9	Anushka Khaire
10	Apurva Sunil pawar
11	Niraj Devidas Dutonde
12	Ketaki Desale
13	Kanika Pareek
14	Aachal Krishna Parate
15	Shailesh Tagadghar
16	Ketaki Vinod Buritkar
17	Aaditi Chavan
18	Ruchita UshaKola
19	Vidula Suryawanshi
20	Nidhi gangurde

Scratch Programming Attendance

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This is to certify that Mr. / Ms. **Mohammed hanif** of B. K. Birla College has successfully completed the Certificate Course on '*Scratch Programming*' conducted by Department of Computer Science (Supported by DBT Star College Scheme) for **2 Credits** during academic year 2019-20.

Mr. Vinod Rajput
In-Charge Computer Science

Mrs. Ashwini Kulkarni
Course Coordinator

Mrs. Esmi Gupta
Vice Principal

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This is to certify that Mr. / Ms. **Bakul Soni** of B. K. Birla College has successfully completed the Certificate Course on '*Scratch Programming*' conducted by Department of Computer Science (Supported by DBT Star College Scheme) for **2 Credits** during academic year 2019-20.

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This is to certify that Mr. / Ms. **Hani Santosh Gupta** of B. K. Birla College has successfully completed the Certificate Course on '*Scratch Programming*' conducted by Department of Computer Science (Supported by DBT Star College Scheme) for **2 Credits** during academic year 2019-20.

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This is to certify that Mr. / Ms. **Khan Aabid Abdal Mashkoor Ahmad** of B. K. Birla College has successfully completed the Certificate Course on '*Scratch Programming*' conducted by Department of Computer Science (Supported by DBT Star College Scheme) for **2 Credits** during academic year 2019-20.

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This is to certify that Mr. / Ms. **Vishakh L Iyer** of B. K. Birla College has successfully completed the Certificate Course on '*Scratch Programming*' conducted by Department of Computer Science (Supported by DBT Star College Scheme) for **2 Credits** during academic year 2019-20.

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This is to certify that Mr. / Ms. **NINAD D CHAUDHARI** of B. K. Birla College has successfully completed the Certificate Course on '*Scratch Programming*' conducted by Department of Computer Science (Supported by DBT Star College Scheme) for **2 Credits** during academic year 2019-20.

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This is to certify that Mr. / Ms. **Alpesh Meshram** of B. K. Birla College has successfully completed the Certificate Course on '**Scratch Programming**' conducted by Department of Computer Science (Supported by DBT Star College Scheme) for **2 Credits** during academic year 2019-20.

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This is to certify that Mr. / Ms. **Anushka Khaire** of B. K. Birla College has successfully completed the Certificate Course on '**Scratch Programming**' conducted by Department of Computer Science (Supported by DBT Star College Scheme) for **2 Credits** during academic year 2019-20.

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This is to certify that Mr. / Ms. **Apurva Sunil pawar** of B. K. Birla College has successfully completed the Certificate Course on '*Scratch Programming*' conducted by Department of Computer Science (Supported by DBT Star College Scheme) for **2 Credits** during academic year 2019-20.

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This is to certify that Mr. / Ms. **Niraj Devidas Dutonde** of B. K. Birla College has successfully completed the Certificate Course on '*Scratch Programming*' conducted by Department of Computer Science (Supported by DBT Star College Scheme) for **2 Credits** during academic year 2019-20.

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This is to certify that Mr. / Ms. **Ketaki Desale** of B. K. Birla College has successfully completed the Certificate Course on '*Scratch Programming*' conducted by Department of Computer Science (Supported by DBT Star College Scheme) for **2 Credits** during academic year 2019-20.

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This is to certify that Mr. / Ms. **Kanika Pareek** of B. K. Birla College has successfully completed the Certificate Course on '*Scratch Programming*' conducted by Department of Computer Science (Supported by DBT Star College Scheme) for **2 Credits** during academic year 2019-20.

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This is to certify that Mr. / Ms. **Aachal Krishna Parate** of B. K. Birla College has successfully completed the Certificate Course on '**Scratch Programming**' conducted by Department of Computer Science (Supported by DBT Star College Scheme) for **2 Credits** during academic year 2019-20.

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This is to certify that Mr. / Ms. **Shailesh Tagadghar** of B. K. Birla College has successfully completed the Certificate Course on '*Scratch Programming*' conducted by Department of Computer Science (Supported by DBT Star College Scheme) for **2 Credits** during academic year 2019-20.

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This is to certify that Mr. / Ms. **Aaditi Chavan** of B. K. Birla College has successfully completed the Certificate Course on '**Scratch Programming**' conducted by Department of Computer Science (Supported by DBT Star College Scheme) for **2 Credits** during academic year 2019-20.

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This is to certify that Mr. / Ms. **Ruchita UshaKola** of B. K. Birla College has successfully completed the Certificate Course on '*Scratch Programming*' conducted by Department of Computer Science (Supported by DBT Star College Scheme) for **2 Credits** during academic year 2019-20.

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This is to certify that Mr. / Ms. **Vidula Suryawanshi** of B. K. Birla College has successfully completed the Certificate Course on '*Scratch Programming*' conducted by Department of Computer Science (Supported by DBT Star College Scheme) for **2 Credits** during academic year 2019-20.

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