**WORKSHOP ON GAME DEVELOPMENT, APP DEVELOPMENT AND ROBOTICS**

Organized by

**IEDC & DEPARTMENT OF COMPUTER SCIENCE**

Date: 03-02-2023, 4-02-2023

Venue: Media Lab ,St.Joseph’s College (Autonomous), Irinjalakuda

**Report of the Event**

**DAY 1**

Activities :

* game development using scratch software
* app development using a software called MIT app inventor.

First day of the training program starts at 9:30 with, welcome greetings and introduction speech by Ms Neethu Mohan assistant, professor of computer science department, with 59 student participants. The trainer Sunil Paul is a faculty member from Christ engineering college specialised in robotics and electronics.

Sir explained from the basics about new generation technologies in IT field ,and how much impact it will have in the near future. Sir also hinted us some methods about how to study effectively the new IT technologies.

Workshop starts with all students forming groups of 5 participants. Then gave instructions about downloading scratch software. After installation we given an introductions about basic functionality of the software.

As next step sir give a presentation about how can we make a game using scratch software. And demonstrated creating a simple catching game using scratch software.

All teams were given the first task as creating the same game with the help of YouTube. The minor changes of designing and functionalities were allowed. All teams created the game within 30 minutes of time.

As the next task, sir ask every team to make their own game using scratch which should be different than we already made ,and bring it to the next class.

After a break sir introduced another software called MIT app inventor. MIT app inventers is a software that easy to use and helps to make apps with blocks of codes using drag and drop just like scratch code blocks.

As another activity to next class sir asked every member to make their own app using MIT app inventor and share it as apk file.

The session ended at 1:30 pm with sir, sharing some previous event participating experience

----with presentation ---,from other colleges and how its very beneficial for students to be a participant in technology related events .

**DAY 2**

On 2nd day of the workshop, sir introduced a line following robot. Its hardware and the programming code.

The workshop was started with the discussion on the previous day's assignment. Then the class started with introduction to robotics. Sir discussed about a line following robot(Line Follower Robot (LFR) is a simple autonomously guided robot that follows a line drawn on the ground to detect a dark line on a white surface) and discussed about the details of the hardware and the programming code for the robot control, keyboard control etc. Each team coded the programming part and controled a robot by ourself. At last the workshop end with the demonstration of a line following robot.

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| **Sl.No.** | **Students who participated in the programme** |
| 1 | ANNA WILSON |
| 2 | Sreelakshmi C Sajan |
| 3 | Aiswarya Rajan |
| 4 | Adithya Santhosh |
| 5 | Meghna Maniyankara Dinesan |
| 6 | Sreelakshmi V B |
| 7 | Shahana mol Tn |
| 8 | Christina Joison |
| 9 | Anjana joy |
| 10 | Angel K J |
| 11 | Jeffy John T |
| 12 | Nayantara P S |
| 13 | Anna N T |
| 14 | Devika P R |
| 15 | Amanda N P |
| 16 | SANDRA S MENON |
| 17 | Angel Mariya |
| 18 | Anjaly K R |
| 19 | Anjana PJ |
| 20 | Hridya C S |
| 21 | Sruthi Sasidharan |
| 22 | Shamol M S |
| 23 | Anjana PJ |
| 24 | Gagana T V |
| 25 | Farhana k nazar |
| 26 | Sandra Joshy |
| 27 | Alsafiya K B |
| 28 | Aswathy Sudhakaran |
| 29 | Sweety Stanly M S |
| 30 | Ameesha A Vinodh |
| 31 | AMEENA SHIRIN V.R |
| 32 | Sruthi Sunil |
| 33 | JINCY VJ |
| 34 | Anjali P M |
| 35 | Hadiya Fathima T S |
| 36 | Niba Nasrin |
| 37 | ANCIYA C S |
| 38 | JINCY VJ |
| 39 | VANDANA ANAND M |
| 40 | Gouri subhash |
| 41 | KRISHNA V V |
| 42 | APARNA K K |
| 43 | Rimna rasheed |
| 44 | Merin Thomas C |
| 45 | SREEPOOJA P D |
| 46 | Telsa jaison |
| 47 | Gopika V. R |
| 48 | Ardra Wilson A |
| 49 | Angel Maria Roy |
| 50 | Sennamol M.S |
| 51 | Sona Francis |
| 52 | Anjana PD |
| 53 | Delna Davis |
| 54 | SIA MARIA BIJU |
| 55 | ANVIYA BIJOY |
| 56 | Steji Maria |
| 57 | Annamariya Babu |
| 58 | Meenakshi c |

**PHOTO**

