Academic Year : <u>2021-22</u>

1) Committee / Dhara : SSIP & Innovation Club

2) Name/ Title/ Theme of Activity : Robotics Master Training & Certificate Programme

3) Co – ordinator/ (S)/ Chair person : Dr. R. L. Mojidra (SSIP Co-ordinator)

4) Date / Time :   Date: 03/01/22 to 07/01/22 and 17/01/22 to 21/01/22

   Time: 9:00 am to 4:30 pm everyday

5) Duration (days) : 10 days

6) Objectives : STEAM based training for the skill Enhancement

7) Expert/ Guest/ Dignitaries invited : Mr. Kunal Desai & Mr. Nikunj Panchal

8) Number of Students (Participants) : 02

9) Number of Alumni (Attended) : 00

10) Parents Feedback : N.A.

11) Employer Feedback : N.A.

12) Outcomes : All trainees are able to get knowledge about different typpes of sensors
    and other electronic devices.

13) Special Achievements (if any) :

14) Expert/ Guest/ Dignitary Invitation Letter : As per circular No.TEERTH-
    FDP/CU/2021-22/2047, Dt.29/12/2021 of KCG (Copy attached)

15) Programme Notice : N.A.

16) Participants Attendance Sheet : N.A.

17) Geotagged Photo : Attached with report

18) Beneficiary feedback forms and Report (Analysis) : N.A.

19) Programme /Event /Activity Planning and Meeting Minutes : N.A.

20) Expert/ Guest/ Dignitaries Acknowledgement Letter : N.A.

21) PPT if any : N.A.

Robotics Master Training & Certification Programme

KCG (Knowledge Consortium of Gujarat), Department of Education, Government of Gujarat Organised 10 days Professional certificate Programme on "***STEAM Based Training for the Skill Enhancement***" at Children's University, Gandhinagar, Gujarat. This is Emerging Technologies Skill Oriented Training under TEERTH (Training for Excellence, Efficiency and Research Towards Higher Education) Scheme. The course theme is "***Robotics Master Training & Certification Programme***." As per circular No.TEERTH-FDP/CU/2021-22/2047, Dt.29/12/2021 of KCG Dr. Ravindra L. Mojidra, SSIP Co-ordiantor and two students named Unadkat Vidhi N. and Patel Janvi J. had participated in programme.

On 03rd January, 2022 after registration Inauguration programme was held. In Inauguration Mr. Harshad P. Shah, I/c VC, Children's University, Gandhinagar and Dr. Yogesh Yadav, OSD, KCG and officials from ISTEM were present. After prayer Dr. Yogesh Yadav gave introductory speech about training and then motivational speech and blessing by Hon. VC Mr. Harshad P. Shah. After lunch Mr. Kunal Desai start the 1st session in which he explained about some basic introduction to 3D printer. Afterthat in next sessions he explained about use of 3D pen. Every trainee use the 3D pen and make different models like bike, chess, subject model, dynosor etc. During training he explained about michenisim of drone and after that every trainee try to fly drone. Mr. Nikunj Panchal in 2nd part of training explain about basics of electronics and circuit diagram. After that he introduce about Arduino and interfacing Sesors with Arduino. All trainees try to program for LED Blinking, Burger sound, Parallel connection and series connection of LED. He also introduce about IoT. In IoT trainees try to operate LED by making mobile application. Use of sensor for tempreture meausring, smell sensor also done by trainees. Blueetooth car also assembled by trainees. In short all trainees get training by theoritical as well as practically. All trainees are from Arts, Science and commerce faculty i.e. all are from non-techincal bacground. Due to hands on training every trainee are able to get idea about electronics, different types of sensors and use of it. On last day valedictory function was organized. In valedictory function M. Nagrajan, IAS, Director of Commissioner of Higher Education, Gandhinagar as well as CEO, KCG, Ahmedabad was present and motivate to all the trainees who are from nontechincal background. All the trainees are awarded by Certificate of participation successfully.At the end of training photograph session was arranged with dignitaries.

Photographs