

Annual report for activities from 01st
April 2019 to 31st March 2020 of ISTE
Students' Chapter (Code: GJ001)
running at Birla Vishvakarma
Mahavidyalaya Engineering
College Vallabh Vidyanagar,
Anand, Gujarat (India)

ISTE Students Chapter

Activities Report 2019-20

Prof. Hiren Patel
EC Department, BVM



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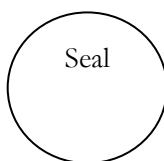
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LIST OF ACTIVITIES ORGANISED DURING THE YEAR
01.04.2019 TO 31.03.2020

Sr. N o.	Name Of Activity With Title	Name Of convener/Coordinator	Student Coordinator	Date	No. Of Participants	Time
1	Cross Platform Application Development using Flutter	Prof. Hiren Patel, Dr. Zankhana Shah, Prof. Prachi Shah	Fardeen Khan, Jay Katakia	02-7-2019 03-7-2019 04-7-2019	42	9:00 AM to 10:30 AM
2	VLSI design using Verilog HDL	Prof. Robinson Paul, Prof. Hiren Patel	Rohit, Dhvani	06-07-19	30	10am to 1pm
3	Aptitude Competition	Prof. Hiren Patel	Rohit, Dhvani	17-07-19	73	9am to 10am
4	Arduino – For Beginners	Prof. Hiren Patel	Dhwani, Rohit, Harsh, Krushil	12-10-2019	32	9am to 12 noon
5	Matlab - Beginners Workshop	Prof. Hiren Patel	Rohit, Dhvani	28-12-19	14	10am to 12noon
6	Industrial Visit	Prof. Vishal A. Polara, Prof. Chintan M. Mahant, Prof. Bijal Dalwadi	Mr Himanshu Thacker	04-01-20	46	8:30 AM to 6:00 PM
7	Hands on MATLAB simulation	Prof. Ashish R. Patel, Prof. Hiren J. Patel	Nehant Maskar, Rutvi Sangani	06-01-20 07-01-20 08-01-20	17	8am to 10am

Signature
Chairman-ISTE Chapter
Prof. Hiren Patel



Signature
Head of the Institute
Dr. I. N. Patel



1. Cross Platform Application Development using Flutter

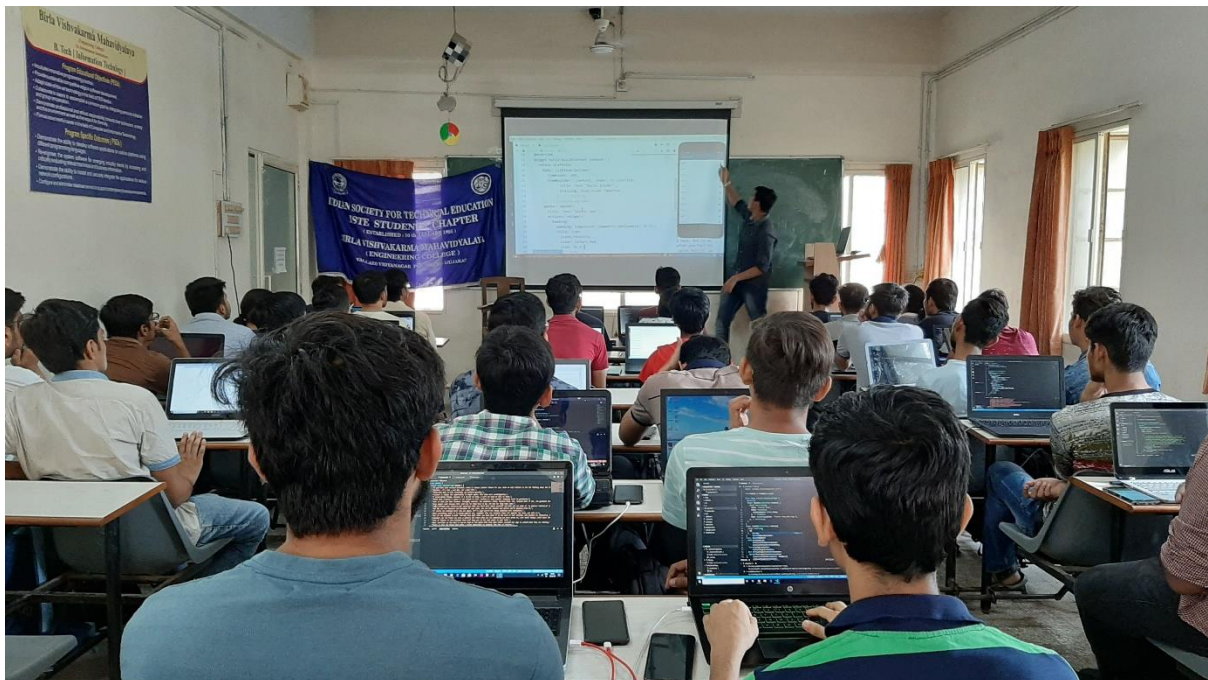
Description	: A 3-Day workshop on cross platform application development using Flutter framework covering instructions regarding setting up prerequisites software and give hands on experience by designing 2 different applications
Technical/Non-Technical Event	: Technical Workshop
Subject	: Flutter framework - Flutter, developed by Google Inc., is a tool to design applications for multiple platforms using the same code base and is a new alternative for Software Developers to design their cross platform applications using a well maintained and continuously developed toolkit.
How it will be useful to student	: Students received hand on training on developing applications in Flutter which will help them in building projects early on with a small learning curve
What skill will be developed/evaluated	: This event will help students to code and design elegant applications for multiple platforms using single code base
Branch	: IT
Year	: 3 rd and 4 th
Date	: 2 nd July 2019 to 4 th July 2019
Time	: 9:00 AM to 10:30 AM
Venue	: B305, B-block, Birla Vishwakarma Mahavidhyalaya, Anand
Entries	: 42
Level	: College
Faculty Convener	Prof. Hiren Patel, Dr. Zankhana Shah, Prof. Prachi Shah
Student Coordinator	Fardeen Khan, Jay Katakiya

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2. VLSI Design using Verilog HDL

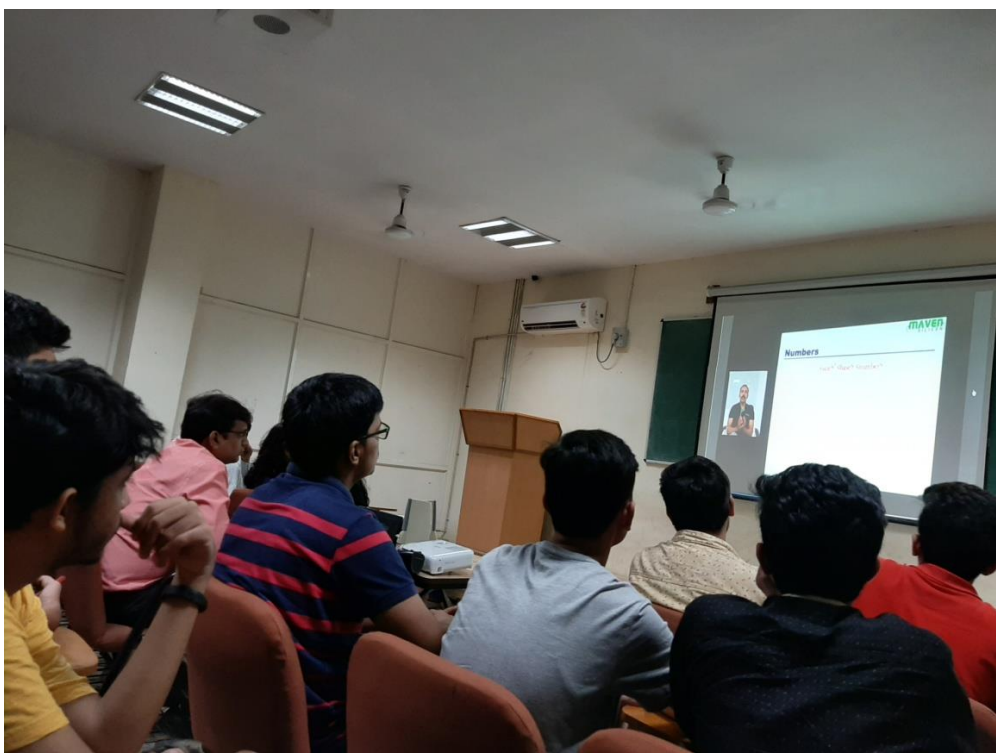
Description	:	A one-day workshop on topic VLSI Design using Verilog HDL was organized under ISTE Students' Chapter. This workshop was a great opportunity to understand VLSI design and Verilog Coding from Industry Expert Mr. P R Sivakumar, CEO - Maven Silicon, Bangalore (with 20+ years of experience in Industry & Academia). The session was conducted through live video conferencing between Students and the expert. It was designed to empower the students with an all-round understanding of the subject accompanied with live interaction with an expert from industry. It was helpful in understanding technical concept related to VLSI like chip design, layout, fabrication, and verification, Packing techniques of chip like DIP,CCT,PGA etc.
Technical/Non-Technical Event	:	Technical Event
Subject	:	VLSI Design using Verilog HDL
How it will be useful to student	:	Students got to know much more about Modern Chip fabrication Techniques , They got Various Video lecture courses related to subject from the company/Expert. In future they can use those material to study the subject in advance manner also.
What skill will be developed/evaluated	:	Skills such as RTL Design using Verilog HDL , Data Types Verilog Operators , Verilog Labs - Hands On Session
Branch	:	Electronics & E.C.
Year	:	3 rd Year
Date	:	6 th July'19
Time	:	10 am to 1 pm
Venue	:	F Block Seminar hall, BVM Engineering College, Vallabh Vidyanagar
Entries	:	30
Faculty Convener		Prof. Hiren Patel, Prof. Robinson Paul
Student Coordinator	:	Shah Rohit, Dhvani Agrawal
Expert	:	Mr. P R Sivakumar,CEO - Maven Silicon, Bangalore



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3. Aptitude Competition

Description	:	Now a days Aptitude is part of most of competitive exams and interview. So with a goal of bringing awareness related to Aptitude test and to give a glimpse of the test contents a competition was organized under ISTE Students Chapter at BVM Engineering College, Vallabh Vidyanagar, Anand Gujarat.
Subject	:	Aptitude test
How it will be useful to student	:	Knowing the significance of the test, students can start preparations and can perform well in the interviews and competitive exams.
What skill will be developed/evaluated	:	An aptitude test, by meaning, is any type of assessment that evaluates the talent/ability/potential to perform a certain task, with no prior knowledge and/or training.
Branch	:	All Branch - EC, EE, ME, CP, IT
Year	:	2 nd and 3 rd Year
Date	:	17 th July'19
Time	:	9 am to 10 am
Venue	:	A-Block, Drawing hall, BVM Engineering College, Vallabh Vidyanagar
Entries	:	73
Faculty Convener	:	Prof. Hiren Patel,
Student Coordinator	:	Shah Rohit, Dhvani Agrawal

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4. Arduino – For Beginners

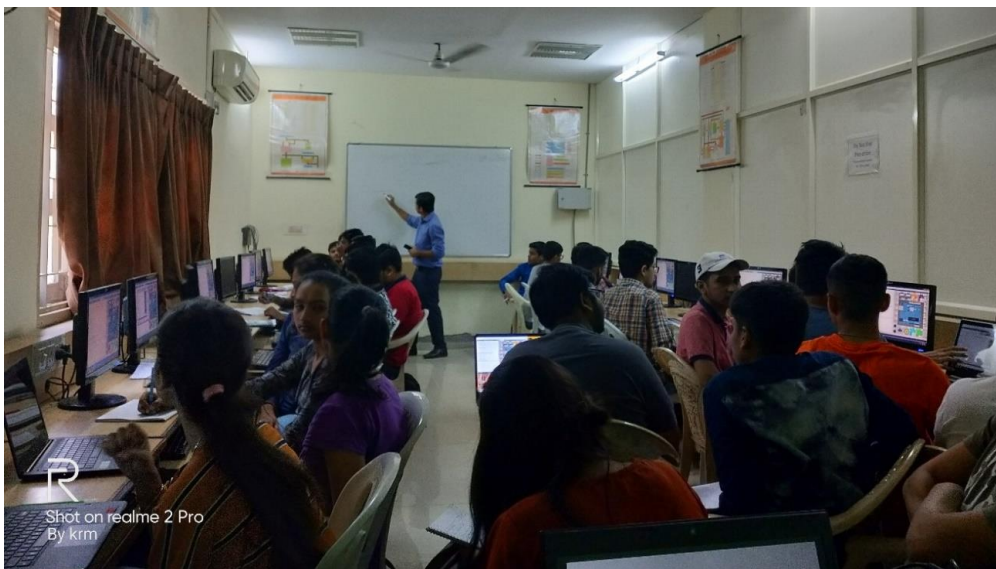
Description	:	ISTE Students' Chapter(BVM), organized a workshop on Arduino Coding for beginners. Students of first year were introduced with the basics of Arduino kit. The basic IO programming of the Arduino kit with the help of Arduino IDE and ArduSIM simulator was carried out in the workshop.		
Technical/Non-Technical Event	:	Technical		
Subject	:	Arduino		
How it will be useful to student	:	To kick start developing applications using Arduino.		
What skill will be developed/evaluated	:	Programming skill for arduino to develop an application.		
Branch	:	EC & EL		
Year	:	1 st year		
Date	:	12-10-2019		
Time	:	9am to 12 noon		
Venue	:	F312		
Entries	:	32 entries		
Level	:	College		
Faculty Convener		Prof. Hiren Patel		
Student Coordinator		Dhwani, Rohit, Harsh, Krushil		
Expert	:	Sr. No.	Name	Department-College
		1.	Prof. Hiren Patel,	EC Department, BVM



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5. Matlab - For Beginners

Description	:	Matlab is a very important and useful tool for simulation and analysis. The aim of the workshop was to give hands-on experience to the students for getting familiarize with the software. The scope of use of software was demonstrated in the workshop with small programming modules by the expert.		
Technical/Non-Technical Event	:	Technical		
Subject	:	Matlab		
Branch	:	EC		
Year	:	2nd year 4th Semester		
Date	:	28-12-2019		
Time	:	10am to 12noon		
Venue	:	F312 EC Department		
Entries	:	19		
Faculty Convener		Prof. Hiren Patel,		
Student Coordinator		Harsh		
Expert	:	Sr. No.	Name	Department-College/Industry
		1	Prof. R. P. Paul	BVM

Photos:





6. Industrial Visit

Description	:	On date 4 th January, 2020, IT department of BVM had organized an Industrial Visit, in Serpent Consultancy Services Private Ltd. Around 46 students from 2 nd and 3 rd level of IT branch took part in this Visit. Main focus of visit was to keep students industry ready. Timing of the visit was, 8:30AM to 6:30PM. In the visit we were taken first to Serpent Consultancy Services Private Ltd. where, how the industry works was shown along with some fun activities and live demonstrations.
Technical/Non-Technical Event	:	Technical
Subject	:	Industrial Visit
How it will be useful to student	:	It will help students to know their field of interest, and be clear with their job profile they want in the future.
What skill will be developed/evaluated	:	An exposure to the industry will be provided as how the industry works and what are the job opportunity available in their respective fields
Branch	:	Information Technology
Year	:	2 nd and 3 rd Year
Date	:	4 th January, 2020
Time	:	8:30 AM to 6:00 PM
Venue	:	Serpent Consultancy Services Private Ltd.
Entries	:	46
Faculty Convener	:	Prof. Hiren Patel, Vishal A. Polara, Prof. Chintan M. Mahant, Prof. Bijal Dalwadi
Student Coordinator	:	Mr Himanshu Thacker

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7. Hands on MATLAB simulation

Description	:	3 days workshop was organized by EE department under ISTE Students Chapter. The session was delivered by Prof. Swapnil V. Arya. The session on MATLAB covered basics about simulation softwares, implementing and writing codes.
Technical/Non-Technical Event	:	Technical
Subject	:	Matlab
Branch	:	Electrical Engineering
Year	:	2 nd year
Date	:	6 th , 7 th and 8 th January, 2020
Time	:	8:00am-10:00am
Venue	:	Computational lab (A-124)
Entries	:	17
Faculty Convener	:	Prof. Ashish R. Patel, Prof. Hiren J. Patel
Expert	:	Prof. Swapnil V. Arya

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