

Report on Awareness workshop on “High Performance Computing” conducted under AICTE-Sankalp on 31/07/2024

An Awareness workshop focused on High-Performance Computing (HPC) under AICTE Sankalp in association with AICTE and CDAC was successfully organized at Government Polytechnic for Girls, SURAT on July 31, 2024, from 11 AM to 1 PM in Vivekanand Hall, GPG Surat. A total of 115 students from the Computer, IT, EC, and ICT departments and faculty members from institute participated in workshop. Dr. Ami Choksi, an Associate Professor in computer engineering department and Head of the Department in Information technology at C.K. Pithawala Engineering College, served as the master trainer for the event. The workshop was conducted under the ISTE Student Chapter.

The event began with Arti Chauhan introducing the master trainer from CDAC, Dr. Ami Choksi. She was then welcomed with a flower bouquet by ISTE Coordinator Sangita J Vaghasiya. Dr. Choksi started the workshop with an introduction to the fundamentals of HPC, explaining its importance in modern technology and research. She highlighted how HPC is used in various industries such as weather forecasting, medical science, space science, scientific research, and complex simulations, making it an essential skill for future engineers and scientists. Her clear and concise explanations helped the students grasp the basic concepts quickly. Dr. Choksi then covered various topics including the basics of HPC, its applications, and parallel programming.

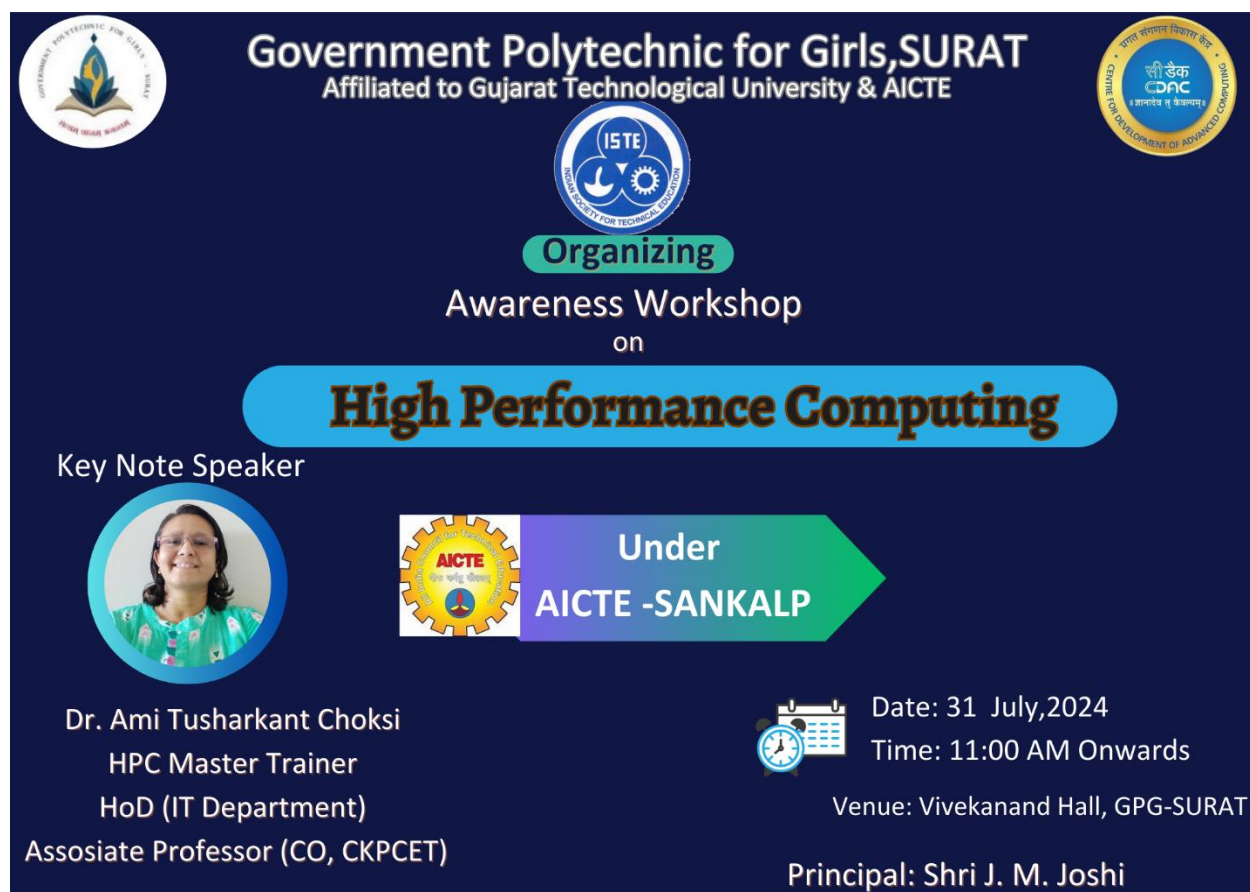
Dr. Ami Choksi's session on parallel programming was particularly engaging. She discussed the different paradigms of parallel programming, such as divide and conquer, task parallelism and data parallelism, and introduced the framework of parallel programming like OpenMP, OpenMPI, and OpenACC. To make the learning process easier, she used real-life examples and analogies that the students could relate to. This approach not only made the concepts more accessible but also sparked a keen interest in the students to learn more about HPC. She demonstrated the implementation of "Hello World" programs using OpenMP and OpenMPI, making sure to explain all concepts in simple language with examples from daily life.

The hands-on implementation segment was a highlight of the workshop. Dr. Choksi guided the students through the process of writing and running "Hello World" programs using OpenMP and OpenMPI. This practical experience was invaluable as it allowed the students to see the real-world application of the theories they had just learned. The interactive nature of the workshop encouraged active participation and fostered a collaborative learning environment. The faculty members present also gained new insights and techniques that they can incorporate into their teaching. At the end of the event, Arti Chauhan gave the vote of thanks and collected feedback from the participants about the awareness workshop.

Overall, the workshop was a great success, leaving participants eager for more such learning opportunities. Participants appreciated the workshop. especially how complex topics were made easy to understand. The event was a great success, and both students and faculty expressed interest in more workshops to further explore HPC.

List of Participant: [Excel link](#)

Photos Link: <https://photos.app.goo.gl/c8q2zD5YJcRbXeyN7>



Government Polytechnic for Girls, SURAT
Affiliated to Gujarat Technological University & AICTE

Organizing
Awareness Workshop
on
High Performance Computing

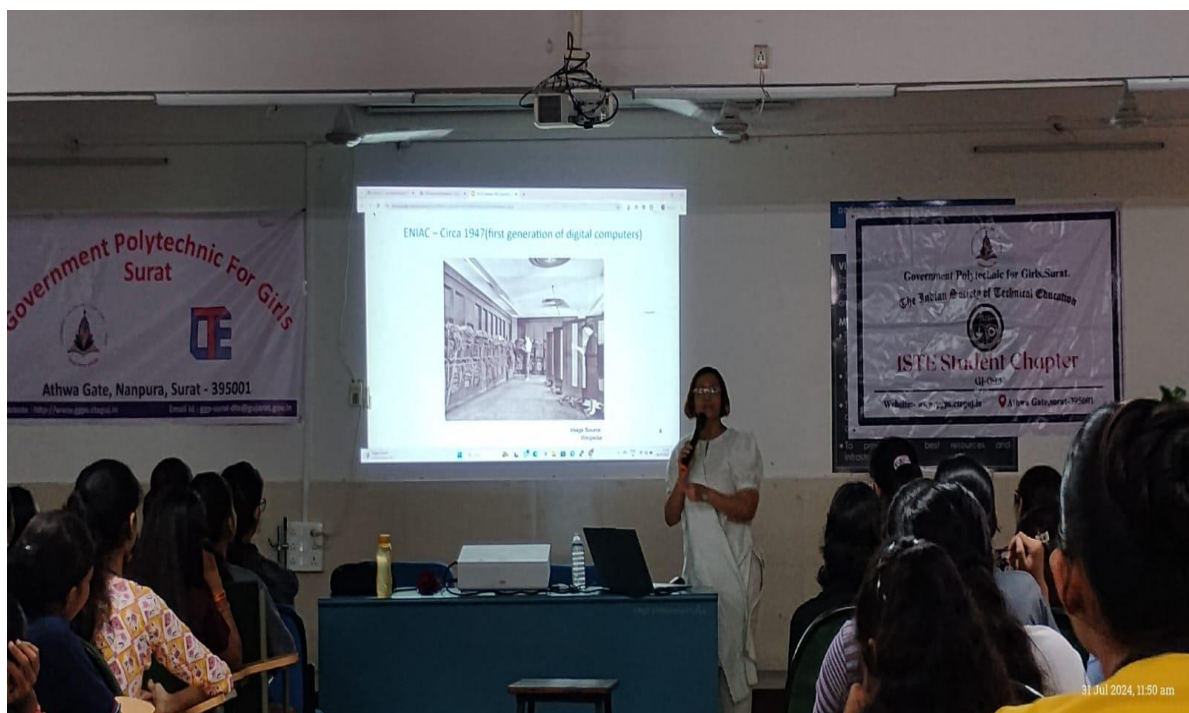
Key Note Speaker

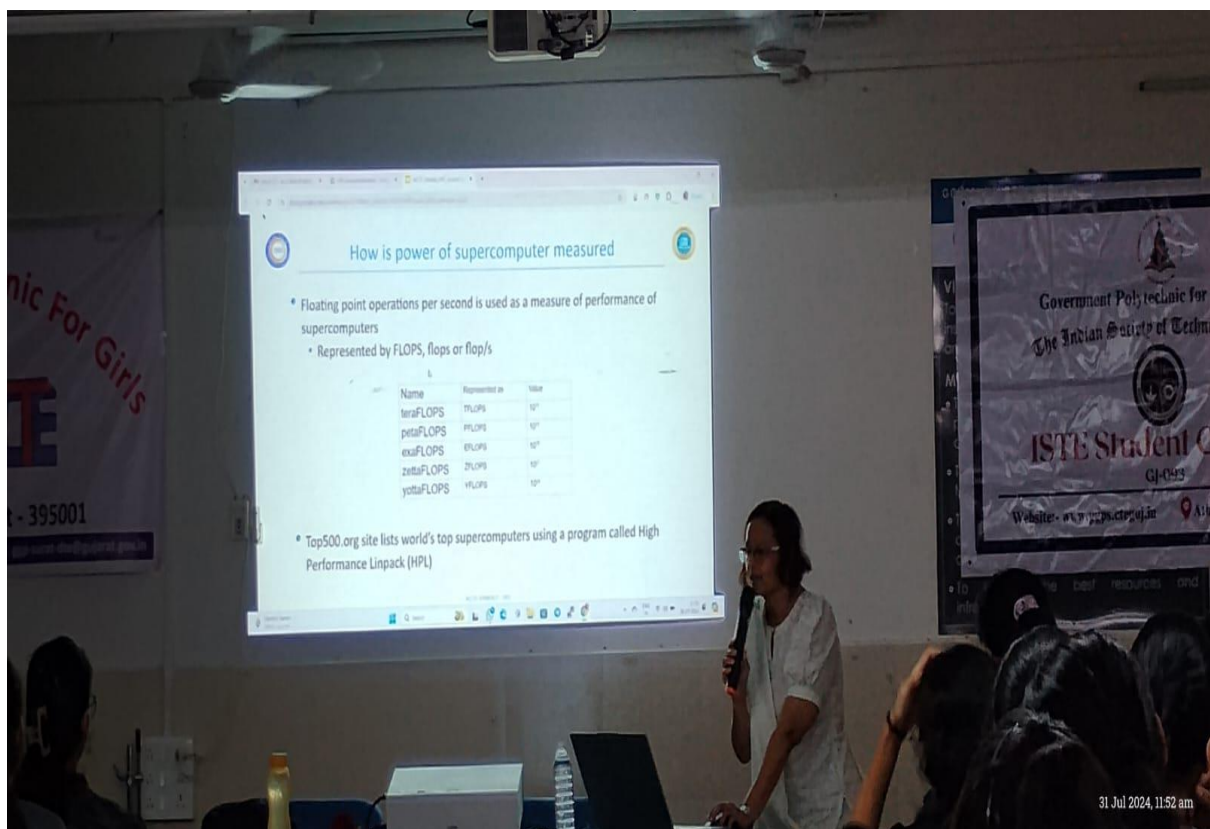

Dr. Ami Tusharkant Choksi
HPC Master Trainer
HoD (IT Department)
Associate Professor (CO, CKPCET)

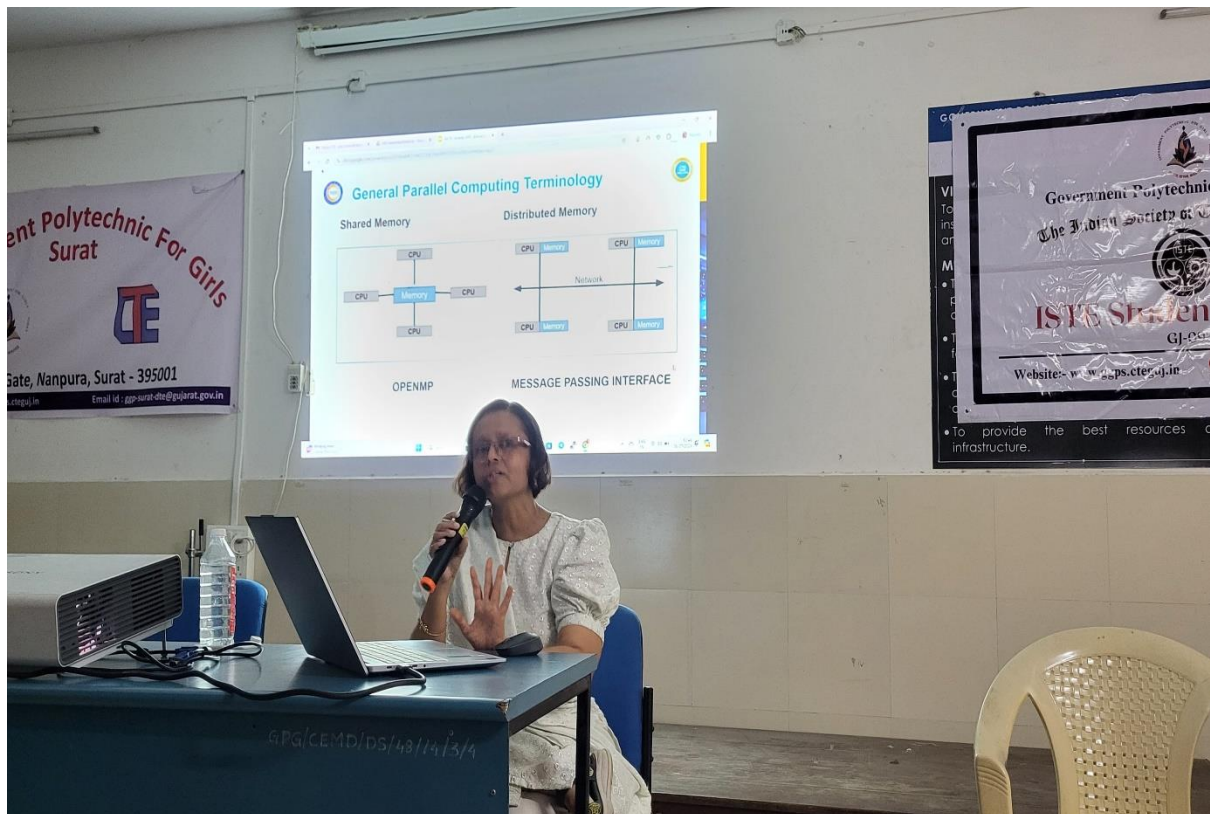
 Under
AICTE -SANKALP

 Date: 31 July, 2024
Time: 11:00 AM Onwards
Venue: Vivekanand Hall, GPG-SURAT

Principal: Shri J. M. Joshi







List of Participant:

Sr. No.	Name	Department	Email ID	College Name
1	Upadhyay Mahek Bansilal	Computer	upadhyaymahek11@gmail.com	Government Polytechnic for Girls,SURAT
2	Makwane Ritika Pradip	Computer	ritikamakwane@gmail.com	Government Polytechnic for Girls,SURAT
3	Chodvadiya Hetvi Vipulbhai	Computer	hetvichodvadiya06@gmail.com	Government Polytechnic for Girls,SURAT
4	Patel Vishwa Bipinbhai	ICT	vp1237708@gmail.com	Government Polytechnic for Girls,SURAT
5	Patil Mansi Jitesh	EC	patilchhoti8@gmail.com	Government Polytechnic for Girls,SURAT
6	Nalavade Shrushti Akshay	Computer	shrushtinalavade@gmail.com	Government Polytechnic for Girls,SURAT
7	Rana Maitry Jignesh	Computer	maitryrana007@gmail.com	Government Polytechnic for Girls,SURAT
8	Chorawala Krisha Jai	Computer	Krishachorawala55@gmail.com	Government Polytechnic for Girls,SURAT
9	Desai Mrunali Rajesh	Computer	mru.desai617@gmail.com	Government Polytechnic for Girls,SURAT
10	Tailor Khushi Kamalkishor	ICT	khushikailor@gmail.com	Government Polytechnic for Girls,SURAT
11	Vankawala Shraddha Kapildev	IT	shraddhavankawala190@gmail.com	Government Polytechnic for Girls,SURAT
12	Rede Gayatri Harish	ICT	gayurede@gmail.com	Government Polytechnic for Girls,SURAT
13	Vaghasia Visha Nileshbhai	Computer	vishavaghasia59@gmail.com	Government Polytechnic for Girls,SURAT
14	Agrawal Sakshi Anandprakash	Computer	sakshiagrawal7654@gmail.com	Government Polytechnic for Girls,SURAT
15	Morker Jiyaben Jayeshbhai	IT	jiyamorker92@gmail.com	Government Polytechnic for Girls,SURAT
16	Patel Tamanna Arunbhai	IT	tp5520578@gmail.com	Government Polytechnic for Girls,SURAT

17	Patel Zeel Narendrakumar	IT	Zeelpatelknd@gmail.com	Government Polytechnic for Girls,SURAT
18	Behera Shubhashree Surajbhai	Computer	beherashubhashree675@gmail.com	Government Polytechnic for Girls,SURAT
19	Chaudhari Komal Yogesh	IT	kyc.16308@gmail.com	Government Polytechnic for Girls,SURAT
20	Jivani Sanjanaben Nareshbhai	IT	sanjujivani27@gmail.com	Government Polytechnic for Girls,SURAT
21	Patel Armiben Sunilkumar	IT	armipatel888@gmail.com	Government Polytechnic for Girls,SURAT
22	Lakhani Bansi Bhupatbhai	Computer	bansilakhani2007@gmail.com	Government Polytechnic for Girls,SURAT
23	Hajari Ipsita Dharmeshbhai	Computer	ipsitahajari2002@gmail.com	Government Polytechnic for Girls,SURAT
24	Doshi Diya Gaurav kumar	Computer	diyadoshi131@gmail.com	Government Polytechnic for Girls,SURAT
25	Varsadiya Palak Rajendrakumar Varsadiya Palak	ICT	palakvarsadiya@gmail.com	Government Polytechnic for Girls,SURAT
26	Limbad Nilam Manishbhai	EC	nilamlimbad@gmail.com	Government Polytechnic for Girls,SURAT
27	Gautam Mukti Mahipalsingh	Computer	gautammukti316@gmail.com	Government Polytechnic for Girls,SURAT
28	Shah Vishva Yogeshkumar	IT	vishah028@gmail.com	Government Polytechnic for Girls,SURAT
29	Sanghani Pari Shailendrabhai	IT	Pari.sanghani306@gmail.com	Government Polytechnic for Girls,SURAT
30	Hun Vishva Vinubhai	Computer	hunvishva@gmail.com	Government Polytechnic for Girls,SURAT
31	Tailor Srushti Pareshbhai	Computer	srushtitailor17@gmail.com	Government Polytechnic for Girls,SURAT
32	Ankolia Kirta Rajnibhai	IT	Kirtaankolia@gmail.com	Government Polytechnic for Girls,SURAT
33	RANA HETVI PRAKASHBHAI	Computer	rhetvi53@gmail.com	Government Polytechnic for Girls,SURAT
34	Patel Tisha Sunilkumar	ICT	pateltisha393@gmail.com	Government Polytechnic for Girls,SURAT

35	Tailor Khushi Kamalkishor	ICT	khushikailor@gmail.com	Government Polytechnic for Girls,SURAT
36	Mahale Lina Rajendra	ICT	linamahale7227@gmail.com	Government Polytechnic for Girls,SURAT
37	Bechara Palak Dharmendrabhai	Computer	palakbechara@gmail.co	Government Polytechnic for Girls,SURAT
38	Magar Mayuri Madhav	ICT	mayurimadhav517@gmail.com	Government Polytechnic for Girls,SURAT
39	JAGDALE KHUSHI PURUSHOTTAM	ICT	khushijagdale7@gmail.com	Government Polytechnic for Girls,SURAT
40	Patel Pavitra Jagruti	ICT	patelpavitra693@gmail.com	Government Polytechnic for Girls,SURAT
41	Shreeram Akshaya Venkatesh	IT	akshayasriram1234@gmail.com	Government Polytechnic for Girls,SURAT
42	Pandav Princi Pandav princi Arvindbhai	EC	Principandav21@gmail.com	Government Polytechnic for Girls,SURAT
43	Ambaliya Disha Sanjaybhai	ICT	dishambaliya09@gmail.com	Government Polytechnic for Girls,SURAT
44	Bharodiya Arya Jigneshbhai	Computer	aryabharodiya028@gmail.com	Government Polytechnic for Girls,SURAT
45	RAJPOPAT PEARL RAJESHBHAI	ICT	pearlrajpopat@gmail.com	Government Polytechnic for Girls,SURAT
46	Kokane Anita Rajubhai	Computer	kokaneanita55@gmail.com	Government Polytechnic for Girls,SURAT
47	Anghan Vrunda Ashokbhai	Computer	vrundaanghan2828@gmail.com	Government Polytechnic for Girls,SURAT
48	Khambhati Ayushi Ketanbhai	ICT	ayushikhambhati1701@gmail.com	Government Polytechnic for Girls,SURAT
49	Ghetiya Arpita Vaibhavkumar	Computer	arpitaghetiya@gmail.com	Government Polytechnic for Girls,SURAT
50	Koshti Anushka Gopal	ICT	anushkak9shti26@gmail.com	Government Polytechnic for Girls,SURAT
51	Patil Divyani Dnyaneshwar	ICT	pushpapatil891@gmail.com	Government Polytechnic for Girls,SURAT
52	Solanki Ila Rajeshbhai	ICT	ilasolanku2007@gmail.com	Government Polytechnic for Girls,SURAT

53	Sonkusre Harshida Vilas	Computer	harshidasonkusare@gmail.com	Government Polytechnic for Girls,SURAT
54	Patel TishaKumari Rajesh bhai	ICT	pateltisha589@gmail.com	Government Polytechnic for Girls,SURAT
55	Bhalerao Nirjala Murlidhar	Computer	nirjalabhalerao71@gmail.com	Government Polytechnic for Girls,SURAT
56	Dodiya Rushita Pankaj bhai	IT	rushitadodiya146@gmail.com	Government Polytechnic for Girls,SURAT
57	Kathrotiya Devangi Jitendrabhai	IT	devangikathrotiya@gmail.com	Government Polytechnic for Girls,SURAT
58	Vala Krishna Ashokbhai	IT	valakrishna2711@gmail.com	Government Polytechnic for Girls,SURAT
59	BHOJAWALA DEZY NAINESHBHAI	ICT	bhojawaladezy@gmail.com	Government Polytechnic for Girls,SURAT
60	Vekariya Vidhi Nileshbhai	IT	vekariyavidhi207@gmail.com	Government Polytechnic for Girls,SURAT
61	Patel Kavya Darshanbhai	IT	Patelkavya2247@gmail.com	Government Polytechnic for Girls,SURAT
62	Khalasi Diya Tejalkumar	IT	diyakhalasi300@gmail.com	Government Polytechnic for Girls,SURAT
63	Patel Liza Dipeshbhai	IT	patelliza779@gmail.com	Government Polytechnic for Girls,SURAT
64	Sawant Harshita Lakshman	ICT	harshitasawant2006@gmail.com	Government Polytechnic for Girls,SURAT
65	Patil Anandika Ravindra	ICT	aanandikapatil196@gmail.com	Government Polytechnic for Girls,SURAT
66	Bhavsar Dipti Mahendrabhai	Computer	diptimbhavsar@gmail.com	Government Polytechnic for Girls,SURAT
67	Parmar Dhruvi Dharmendrabhai	IT	dhrutiparamar129@gmail.com	Government Polytechnic for Girls,SURAT
68	More Anushka Mahendra	Computer	anushkamore474@gmail.com	Government Polytechnic for Girls,SURAT
69	Surati Gargi Jignesh	Computer	suratigargi@gmail.com	Government Polytechnic for Girls,SURAT
70	TILALA DARSHITA HITESHBHAI Darshita Hiteshbhai	Computer	dhtilala27@gmail.com	Government Polytechnic for Girls,SURAT

71	Pathak Samruddhi Manish Kumar	Computer	samruddhipathak08@gmail.com	Government Polytechnic for Girls,SURAT
72	Randhir Gayatri Sanjay	ICT	gayatirandhir87@gmail.com	Government Polytechnic for Girls,SURAT
73	Patil Janvi Ishwar	ICT	ishwarpatil6680@gmail.com	Government Polytechnic for Girls,SURAT
74	Rajput Ujvala Indrasing	Computer	ujvalarajput87@gmail.com	Government Polytechnic for Girls,SURAT
75	Patil Vaishnavi Ishwar	Computer	pativaishnavi21@gmail.com	Government Polytechnic for Girls,SURAT
76	Dholiya Zuli Janakbhai	IT	Zulidholiya1@gmail.com	Government Polytechnic for Girls,SURAT
77	Sardhara Disha DilipBhai	Computer	dishasardhara2@gmail.com	Government Polytechnic for Girls,SURAT
78	Vaishnav Payal Radheshyam	Computer	prvaishnav2006@gmail.com	Government Polytechnic for Girls,SURAT
79	Tilala Yashvi Kiritbhai	Computer	yashvitilala8@gmail.com	Government Polytechnic for Girls,SURAT
80	Patel Yashmini Vijaybhai	Computer	yachipatel46@gmail.com	Government Polytechnic for Girls,SURAT
81	Vyas Ravisha Ramesh bhai	Computer	vyasravisha0709@gmail.com	Government Polytechnic for Girls,SURAT
82	Sharma Vidhi Hiteshkumar	Computer	vidhisharma060904@gmail.com	Government Polytechnic for Girls,SURAT
83	RANA KRISHNA HEMANTKUMAR	Computer	ranakrishna2412@gmail.com	Government Polytechnic for Girls,SURAT
84	Vasava Pritikaben Manharbhai	Computer	vasavapreetika1882@gmail.com	Government Polytechnic for Girls,SURAT
85	Patil Harshida Mukunda	Computer	harshidapatil2012@gmail.com	Government Polytechnic for Girls,SURAT
86	Patil Roshani Gulab	Computer	patilroshni061@gmail.com	Government Polytechnic for Girls,SURAT
87	PORIYA DITI SANJAYBHAI	Computer	poriyadriti130@gmail.com	Government Polytechnic for Girls,SURAT
88	Rupapara Vishva Hareshbhai	Computer	vishvarupapara0710@gmail.com	Government Polytechnic for Girls,SURAT

89	Sahany Supriya Biranchi Kumar	Computer	supriyasahany19@gmail.com	Government Polytechnic for Girls,SURAT
90	Singhal Rakshita Anand	Computer	rakshitasinghal784@gmail.com	Government Polytechnic for Girls,SURAT
91	Patel Shreya Dharmendrabhai	Computer	patelshreya15511551@gmail.com	Government Polytechnic for Girls,SURAT
92	Patil Poonam Manohar	ICT	Mp1713453@gmail.com	Government Polytechnic for Girls,SURAT
93	Patel RIYAKUMARI Dharmesh Bhai	Computer	riya3012008@gmail.com	Government Polytechnic for Girls,SURAT
94	Patel Riddhi Jagdishbhai	Computer	ridhipatel932@gmail.com	Government Polytechnic for Girls,SURAT
95	Vadhavana Prachi Prachi dharmeshbhai	Computer	prachivadhanad@gmail.com	Government Polytechnic for Girls,SURAT
96	VAGHELA DHRUVI BHAVESHBHAI	Computer	dhruvivaghela75@gmail.com	Government Polytechnic for Girls,SURAT
97	PATIL PRAJAKTA DAGDU	Computer	prajakta007patil@gmail.com	Government Polytechnic for Girls,SURAT
98	Patil Ashwini Ratilal	Computer	ashwinirpatil2008@gmail.com	Government Polytechnic for Girls,SURAT
99	Patil Shital Nilkanth	Computer	Shitalp9723@gmail.com	Government Polytechnic for Girls,SURAT
100	Latwal Kalpana Harish Singh	EC	kalpanalatwal24@gmail.com	Government Polytechnic for Girls,SURAT
101	Patel Tiya Kishorbhai	Computer	pateltiya203@gmail.com	Government Polytechnic for Girls,SURAT
102	Patel Priya Sureshchandra	Computer	priyapatel33457@gmail.com	Government Polytechnic for Girls,SURAT
103	Patil Vaishnavi Naresh	Computer	vaishnavinpatilo795@gmail.com	Government Polytechnic for Girls,SURAT
104	Patel Swancy Ashishbhai	Computer	patelswancy@gmail.com	Government Polytechnic for Girls,SURAT
105	Patel Sejal Arvindbhai	Computer	sejal05012006@gmail.com	Government Polytechnic for Girls,SURAT
106	PETKAR GAYATRI NAGESH	Computer	petakargayatri@gmail.com	Government Polytechnic for Girls,SURAT

107	Prasad Supriya Brijesh Kumar	Computer	supriyaprasad9016@gmail.com	Government Polytechnic for Girls,SURAT
108	Sarvaiya Priya Ghanshyam bhai	Computer	priyasarvaiya78@gmail.com	Government Polytechnic for Girls,SURAT
109	Iname Gayatri Laxmanbhai	IT	inamelaxman86@gmail.com	Government Polytechnic for Girls,SURAT
110	Shinde Vaishnavi Suresh	Computer	Vaishnavishide175@gmail.com	Government Polytechnic for Girls,SURAT
111	Sadsaniya Harshitaben Dilipbhai	Computer	chetanasadaliya@gmail.com	Government Polytechnic for Girls,SURAT
112	Sailor Kashish Rameshbhai	Computer	Kashishsailor1205@gmail.com	Government Polytechnic for Girls,SURAT
113	Patil Komal Rajendra	Computer	komalpatil09116@gmail.com	Government Polytechnic for Girls,SURAT
114	Talato Nidhi Rahul	Computer	Nidhitalati6127@gmail.com	Government Polytechnic for Girls,SURAT
115	Singh Ranukumari Rajiv	Computer	ranusingh132006@gmail.com	Government Polytechnic for Girls,SURAT
116	Modi Mukti Dilipbhai	ICT	muktimodi2311@gmail.com	Government Polytechnic for Girls,SURAT
117	Patel Mishakumari Kalpesh Bhai	EC	kalpeshpatel2062007@gmail.com	Government Polytechnic for Girls,SURAT
118	SHAHU MOHINI BUDHAVILAS	Computer	mohinishahu83@gmail.com	Government Polytechnic for Girls,SURAT
119	Sarvaiya Bhakti Nareshbhai	Computer	bhaktisarvaiya112@gmail.com	Government Polytechnic for Girls,SURAT
120	Vishwakarma Sejal Guruprasad	Computer	sejalvishwakarma1@gmail.com	Government Polytechnic for Girls,SURAT
121	Gupta Sushma Rajesh	Computer	sushmagupta123333	Government Polytechnic for Girls,SURAT
122	Maurya Sweta Arvindbhai	ICT	swetamaurya082008@gmail.com	Government Polytechnic for Girls,SURAT
123	Morasiya Ayushi Baldevbhai	IT	ayushimorasiya3@gmail.com	Government Polytechnic for Girls,SURAT
124	Prajapati Drashti Kamlesh bhai	Computer	drashtiprajapati1386@gmail.com	Government Polytechnic for Girls,SURAT

125	Vaghasiya Harvi Mukeshbhai	Computer	vaghasiyavibha625@gmail.com	Government Polytechnic for Girls,SURAT
126	Jethava Priyanshi Maheshbhai	Computer	priyanshijethava0127@gmail.com	Government Polytechnic for Girls,SURAT
127	Talaviya Parthvi Prakashkumar	Computer	parthvitalaviya36@gmail.com	Government Polytechnic for Girls,SURAT
128	PATIL HARSHADA ARUN	Computer	harshada60406@gmail.com	Government Polytechnic for Girls,SURAT
129	Sakariya Dhruvisha Shaileshbhai	Computer	dhruvisha.sakariya21@gmail.com	Government Polytechnic for Girls,SURAT
130	Patel Vidhya Dharmendra Kumar	Computer	vidhya01107@gmail.com	Government Polytechnic for Girls,SURAT
131	Chauhan Ayushi Vasantbhai	Computer	cayushi810@gmail.com	Government Polytechnic for Girls,SURAT
132	Sarvaiya Srushti Bhadrreshbhai	Computer	srutisarvaiya314@gmail.com	Government Polytechnic for Girls,SURAT
133	Vaghasia Sangita Jignesh	IT	sangitavaghasia@yahoo.com	Government Polytechnic for Girls,SURAT
134	Pithava Radhe Jaydip bhai	Computer	radhepithava13@gmail.com	Government Polytechnic for Girls,SURAT
135	Shingala Ayushi Dharmeshbhai	Computer	ayushishingala67@gmail.com	Government Polytechnic for Girls,SURAT
136	Gadhethariya Archiben Sureshbhai	Computer	archispatel2810@gmail.com	Government Polytechnic for Girls,SURAT
137	Sakhareliya Krishi Rajubhai	IT	Krishir.8989@gmail.com	Government Polytechnic for Girls,SURAT
138	Yadav Priya Harilal	Computer	yadavpriyaharilala@gmail.com	Government Polytechnic for Girls,SURAT
139	Patil Prachi Pravin	ICT	pp2663832@gmail.com	Government Polytechnic for Girls,SURAT