



# FemBit



Winter 2020 - A Newsletter by Department Of Computer Engineering  
Government Polytechnic for Girls , Ahmedabad

## About Institute & Department



### Institute Vision

To carve a brighter prospect for the nation through excellence in technical education for fostering skills, ethical values and environmental consciousness among girls while undertaking existing and forthcoming challenges.



### Department Vision

To instill technical skills among students through excellence in education and develop them as computer professionals for forthcoming challenges with moral values, environmental and societal consciousness.



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### Institute Mission

To nurture technical and creative skills through quality education

To strengthen industries interaction

To impart real life problem solving skills.

To foster care for sustainability of environment and importance of social responsibility among girl students.



### Department Mission

To impart quality education for developing technical skills.

To create awareness on emerging trends and technologies.

To cultivate a sense of social responsibility with ethical and strong moral values.

## Computer Faculties



Under the leadership of

Shri R.M. Shaikh

Team Members

Ms. J.J. Karagthala

Ms. J.D. Trivedi

Ms. D.S.Singh

Ms. A.I.Rangrej

Ms. N.R.Sheth

Ms. P.P.Patel

Mr. S.A.Gohel

Miss. D.S.Baldev

Ms. R.K.Pandya

Ms. V.R. Ratwani

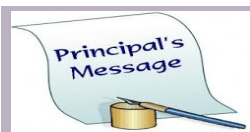
Ms. K.D.Virani

Ms. Z.R.Shah

Ms. C.J.Vaghela

Mr. D.M. Gohil





## Message Desk....



Mr. Bhasker Iyer  
Principal

*“Technology is gift of god. After the gift of life it is perhaps God’s Great Gift . It is the mother of Civilization ,and of arts and of sciences “*

- Freeman Dyson

Government Polytechnic for Girls - Ahmedabad (GPGA), a premier diploma engineering institute was established in the year 1964 with the aim to provide technical education to girls in the heritage city of Ahmedabad. It is located right opposite to PRL and adjacent to ATIRA, in the throbbing educational hub within the heart of the city and in the vicinity of reputed institutes like L.D.College of Engg., Gujarat University, L.M.College of Pharmacy and the world renowned CEPT University. It is endowed with a beautiful green campus which has its own flora and fauna.

At present, GPGA offers 3 year diplomas in 6 programmes under

Commissionerate of Technical Education and is affiliated with Gujarat Technological University (GTU). These are Diplomas in Architecture Assistantship (DAA), Biomedical Engineering (DBE), Computer Aided Costume Design and Dress Making (DCACDDM), Civil Engineering (DCE), Computer Engineering (DCoE), Electronics and Communication Engineering (DEC) and Information Technology Engineering (ITE).

GPGA has a tradition of imparting quality technical knowledge and ethical values to the students. No wonder GPGA is ranked among top 10 government diploma engineering colleges in Gujarat consistently over the last five years.

For years, the institute’s major focus and concern have been our students and our institution strives to impart the best knowledge in respective fields for promoting and pursuing multidisciplinary diploma engineering in the most disciplined manner. Every student of the institute has been among some of the best talents of the vibrant state of Gujarat. Many of GPGA’s alumnae have established themselves as entrepreneurs while some have continued higher studies with well-known engineering institutes of India as well as abroad. Thus they have carved a niche for themselves in various technical fields throughout the state, our nation and even abroad.

The institute has an excellent track record of placements in past few years and students of GPGA have

proved their mettle in industry, academics, and administration over the last many years. This glory has been due to the synergetic efforts of management, learned faculty, dedicated staff and sincere students over these years. I urge everyone, including staff and students, to make excellent careers by availing the unique opportunity that GPGA provides through classroom teaching, laboratory instructions, industrial trainings and participation in sports, cultural and other extra-curricular activities of interest.

During the current academic year, three programmes of GPGA i.e. DCACDDM, DCE and DCoE have initiated the process of application for Accreditation with NBA. For the faculty and administrators, accreditation promotes ongoing self-evaluation and continuous improvement and provides an effective system for accountability. For the institute or programme, accreditation enhances its national reputation and represents peer recognition. Thus to further the institute’s aim towards excellence, accreditation process has been undertaken. I extend my best wishes to all staff members and students of these programmes for getting accredited in the year 2021.



## Message Desk....

Dear Stakeholders,

Our department has commenced the newsletter “FemBit”. I am glad to publish Winter -2020 issue of our “FemBit”. The Situation of pandemic is not under control as expected it force to continue the online teaching in these semesters also .

I expect long terms support from Stake holders to take this newsletter long way. I would like to thanks all those directly or indirectly supported for our Newsletter.

--- Shri. R.M.Shaikh , HOD CE



## About the Term



The year 2020 will be remembered by all for the pandemic. All over the world everything is stop and so our offline teaching also.

Few students could able to attend the college after the announcement of offline classes to perform their practical work but after few days again the announcement of online classes. it is essential to continue the teaching learning activity in favor of students' career and not to waste their valuable time invested by them for this program .so we have continue the online teaching.

Online Teaching

“Microsoft Teams” a online teaching platform is provided by the initiative of Commissionerate of Technical Education and Education

In this semester teaching learning activity is conducted using online teaching platform Login Accounts have been created for students as well as staff members.

Theory and Practical Sessions are carried out by faculty members online.

Students have to submit assignments and practical work given to them on Teams platform.

Learning materials are also Provided by faculties on this platform.

Mid Semester exams are also conducted online.

Assessment is carried out by conducting online quiz.

### THE SECRET OF SUCCESS

AMBITION NEEDS DISCIPLINE

DISCIPLINE NEEDS SELF CONTROL

SELF CONTROL NEEDS HONESTY

HONESTY NEEDS GREAT EFFORTSM

GREAT EFFORTS NEEDS ENTHUSIAMs

ENTHUSIAMs NEEDS SELF CONFIDENCE

SELF CONFIDENCE IS THE SECRET OF SUCCESS.

Wrote By : DETROJA HELIBEN D.



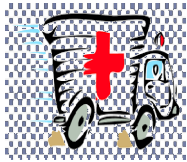


## Students Innovation Under SSIP

### Project 1

**Title of Project:** IOT based Health Parameter Monitoring System.

**Field of Innovation:** Health Parameter Monitoring System and Communication System between Ambulance and Hospital.



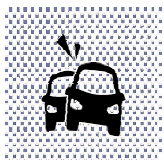
**Abstract:** Effective communication of live patient details and ongoing treatment procedure in healthcare is important and especially critical in emergency situation nowadays as miscommunication leads to delayed patient care and incorrect diagnosis. In this project, we propose an efficient emergency communication system which facilitates better disclosure of patient health parameters between the ambulance and the hospital, initializing early specialized pre-hospital patient management.

**Team Members:** Tiya Mehta ,Vyoma Suthar , Krishna Viramgama

### Project 2

**Title of Project:** IOT based Accident Prevention and Detection System.

**Field of Innovation:** Accident Prevention and Detection System to produce an automatic notification and response.



**Abstract:** Due to accidents we lose many lives so to overcome this problem we derived the project on “**Accident Prevention and Detection System**” The Internet of Thing(IOT) can be used to produce an automatic notification and response to the scene so this system provide such facilities. This can be achieved by integrating smart sensors with a microcontroller within the car that can trigger at the time of an accident.

**Team Members:** Gneya Pandya ,Khushi Kathrotiya ,Shailja Makawana





## Outstanding Students University Exam Summer 2020

### 2ND SEMESTER

SPI OUT OF 10

CALCUTTAWALA RUSHDAH ASHISH -9.86

THAKKAR DWITI VISHALBHAI-9.72

RATHVI AAYUSHI BHARATKUMAR-9.69

JOSHI MOKSHA RAJIV-9.59

RATHI ARCHI-9.59

### 4TH SEMESTER

SPI 10 OUT OF 10

TIYA NILESH MEHTA

VIRAMGAMA KRISHNA BHAVESHKUMAR

CALCUTTAWALA MURSHIDAH ASHISH

PANDYA GNEYA MILANBHAI

PITRODA KHUSHI PRAVINBHAI

SHAH SHRUVI JATINBHAI

### 6TH SEMESTER

SPI 10 OUT OF 10

KANSARA RIYA NILESH

SHARMA TRIPTI BRIJESH

CHOKSI NEER ANIRUDDH

JETHWA JHANAVI DINESHBHAI

LUHAR VIDISHA NAVINBHAI

LUHAR VINISHA NAVINBHAI

MEHTA HETA JAWAHARBHAI

PANDYA PRIYANSHI RAJESH

PATEL VIDHI PRAKASHBHAI

THAKKAR ZEEL SANDIPKUMAR

ZALA AASHVI ASHOKBHAI



## Trends in Technology

The Future of Computer & IT in a New Covid-19 Situation: 5 Technology Trends

During this year, the humankind has been fighting the outbreak of COVID-19. Thus, we should keep in mind that it will inevitably make a visible impact on the development of tech trends.

1. Artificial Intelligence
2. Internet of Things
3. Cybersecurity
4. Extended Reality
5. 5G Network





## Faculty Achievements

1. All Faculties successfully completed training titled “ Comprehensive Online Intellectual Property Rights(IPR) “.
2. All Faculties successfully completed training titled “UDAYAM E Content Development Course “.
3. J.D. Trivedi successfully completed training titled “Lab MAnuals for Outcome Based Curriculum”.
4. K.D.Virani successfully completed training titled “Role of Technical Institution in community development “.
5. D.S.Baldev and Z.R.Shah have successfully completed training titled Induction Phase -2.



## Students Achievements

1. Pandya Gneya Milanbhai has Secured 6th Rank in GTU SPI Wise and CPI Wise in 4th Semester Summer 2020 examination.
2. Tiya Nilesh Mehta Successfully course on “Capacity Building Program Startup Runway” conducted by “I-Hub” Gujarat.
3. Pandya Gneya Milanbhai Successfully course on “Capacity Building Program Startup Runway” conducted by “I-Hub” Gujarat.
4. Two team from our department get grant from SSIP cell for their final year projects.





## Proposed Academic Calendar-Forthcoming Term

| Activity  | SEMESTER - 4 <sup>th</sup> & 6 <sup>th</sup> |            | SEMESTER - 2 <sup>nd</sup> |            |
|---|--|------------|----------------------------|------------|
|   | From   | To         | From                       | To         |
| <b>ACADEMIC</b>   |  |            |                            |            |
| Term Date   | 10/12/2020                                   | 01/05/2021 | 08/04/2021                 | 31/07/2021 |
| Teaching phase-1  | 10/12/2020                                   | 21/02/2021 | 08/04/2021                 | 05/06/2021 |
| Attendance review-1   | 19/02/2021                                   | 20/02/2021 | 07/06/2021                 | 08/06/2021 |
| Partial Term work Evaluation  | 29/01/2021                                   | 30/01/2021 | 12/05/2021                 | 13/05/2021 |
| Mid-Sem. Exam-1   | 05/04/2021                                   | 09/04/2021 | 14/06/2021                 | 19/06/2021 |
| Mid-Sem-1 Exam Result   | 16/04/2021                                   | ---        | 25/06/2021                 | ---        |
| Teaching phase-2  | 04/03/2021                                   | 01/05/2021 | 21/06/2021                 | 31/07/2021 |
| Attendance review-2   | 19/03/2021                                   | 20/03/2021 | 10/06/2021                 | 11/06/2021 |
| FINAL Attendance review   | 26/04/2021                                   |            | 27/07/2021                 |            |
| Final Term work Submission  | 26/04/2021                                   | 01/05/2021 | 27/07/2021                 | 31/07/2021 |
| Practical Exam.<br>(Sem-2/4)  | 26/04/2021                                   | 01/05/2021 | 27/07/2021                 | 31/07/2021 |
| Practical Exam.<br>(Sem-6)  | As per GTU Schedule                          |            | ---                        |            |
| Co-Curricular Activities<br>(Industrial Visit / Workshops /<br>Seminars / Expert Lecture) | Only Online activities                       |            | Only Online activities     |            |
| <b>ACADEMIC REVIEW/FEEDBACK SCHEDULE</b>  |  |            |                            |            |
| Academic Review-1   | 08/03/2021                                   | 10/03/2021 | 10/06/2021                 | 11/06/2021 |
| Mid Sem Feedback of ALL Students on Faculty Performance                                   | 08/03/2021                                   | 10/03/2021 | 10/06/2021                 | 11/06/2021 |
| FINAL Academic Review   | 26/04/2021                                   | 30/04/2021 | 27/07/2021                 | 31/07/2021 |
| Feedback of Students on Faculty Performance   | 26/04/2021                                   | 30/04/2021 | 27/07/2021                 | 31/07/2021 |
| Course End Survey &<br>Prog Exit Survey (6 <sup>th</sup> Sem)                             | 26/04/2021                                   | 30/04/2021 | 27/07/2021                 | 31/07/2021 |





# Activities Inside Campus

**Free Webinar**  
**HOUSE WARRIORS OF LOCK DOWN**  
 Organized by  
**VIDHUSHEE GARGI WOMEN DEVELOPMENT CELL**  
 Government Polytechnic for Girls  
 Ahmedabad,15

**LIVE YOGA & AEROBICS**  
 Ashmeet Arora  
 IAYT certified  
 Yoga Therapist

**SALLITE TO WOMANHOOD**  
 BK. Janki  
 Rajyoga Teacher  
 Corporate Trainer

Organized by:  
**WOMAN DEVELOPMENT CELL**  
 Dr. Shivangi Khandwala  
 Convener  
 Dr. Pankita Mehta  
 Member

Special Thanks  
 Mr. Bhaskar J Iyer  
 Principal,  
 Government Polytechnic for Girls,  
 Ahmedabad

6th June, '20  
 Saturday  
 4:30 to 5:30 PM

Zoom Meeting: <http://93.93/houseworriersz>  
 Youtube Live: <http://93.93/houseworriersy>

In Association with  
**KNOWLSTIC**  
 WORLD LEARNING FOUNDATION

**FIT INDIA CLUB AND GYMKHANA ORGANIZE**  
**WEBINAR ON**  
**MEDITATION-FEEL A PEACEFUL MIND**

B.K. JANKI THAKKAR  
 RAJYOGA TEACHER  
 ASST.MANAGER,  
 BHARMAKUMARIS(VASTRAPUR) ORG.

**DECEMBER 19TH 2020 AT 2.30 PM**

FACILITATOR  
 Prof. BHASKAR J. IYER  
 GOVERNMENT POLYTECHNIC  
 FOR GIRLS, AHMEDABAD

GYMKHANA CONVENER  
 Dr. SHIVANGI M. KHANDWALA

FIT INDIA CLUB CO-ORDINATORS  
 MS.NIMISHA H. SHARMA  
 MS. KHYATI J. SHAH

**"SMIT CAMPAIGN"**

**DONATE YOUR OLD CLOTHES.**

Secretary  
 Alumni Association  
 Dr. Shivangi Khandwala  
 Govt Polytechnic for Girls,  
 Ahmedabad-15

NSS Co-ordinator  
 Ms. Ila M. Mistry  
 Govt Polytechnic for Girls,  
 Ahmedabad-15

Facilitator  
 Prof. Bhaskar J. Iyer  
 Govt Polytechnic for Girls,  
 Ahmedabad-15

**FIT India Youth Club & Gymkhana presents**  
**WEBINAR**  
**ON**  
**AWARENESS ABOUT NUTRITIOUS & HEALTHY FOOD HABITS**  
**IN 21st CENTURY**

**28th NOV 2020**  
 11.30 AM Onwards

Dr. Gaurangi Bhatt  
 Homeopathy Physician  
 Nutrition and wellness Advisor

Gymkhana Coordinator  
 Dr. Shivangi M Khandwala

Facilitator  
 Prof. Bhaskar J. Iyer  
 Government Girls Polytechnic

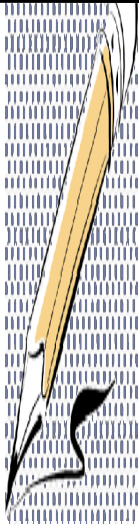
Event Coordinator  
 Ms N H Sharma  
 Ms K J Shah





“ABHIVYAKTI” - the Students’ Corner....

Art by Pencil



Thakkar Mansi B.  
1st Semester



Patel Princy A.  
1st Semester



Patel Princy A.  
1st Semester





# FemBit

“FemBit” is published twice in a year by Department Of Computer Engineering - Government Polytechnic for Girls

Ahmedabad.

Contact for Queries and Suggestions

Email - [gpg.computer@gmail.com](mailto:gpg.computer@gmail.com)

Under

The Commissionerate Of Technical Education

Education Department

Government Of Gujarat

Affiliated with Gujarat Technological University

Ahmedabad

A Newsletter Of The Department Of Computer Engineering at The Government Polytechnic for Girls

Ahmedabad

Department Of Computer Engineering

Government Polytechnic for Girls

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Navrangpura ,

Ahmedabad - 380009

<http://www.ggpa.cteguj.in>

Call Us On - 079-26301581



## Newsletter Editorial Committee...

**Editorial In Chief:** Shri R.M.Shaikh & Ms. D.S. Singh

|                  |                     |                  |                 |
|------------------|---------------------|------------------|-----------------|
| <b>Members :</b> | Ms. J.J. Karagthala | Ms. J.D. Trivedi | Ms. A.I.Rangrej |
|                  | Ms. P.P.Patel       | Ms. D.S.Baldev   | Mr. S.A. Gohel  |
|                  | Ms. R.K.Pandya      | Ms. V.R. Ratwani | Ms. K.D.Virani  |
|                  | Ms. Z.R.Shah        | Ms. C.J.Vaghela  | Mr. D.M. Gohil  |

