FemBit

Summer- 2020

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

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.

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 Vision

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

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

In this Issue …

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Words from Institute Leader……

"Technology is the Gift of God. After the gift of life it is perhaps the greatest God's gifts. It is the mother of civilization, of arts and of sciences."

Freeman Dyson

Mr. Bhaskar Iyer

(Principal)

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 inArchitecture 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. Recently, formation of GPGA's Alumnae Association has also been undertaken.

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.

I express my sincere gratitude to all our stakeholders for their continued support, cooperation and active involvement t make GPGA a citadel of Technical Learning, which sets its own benchmark.

Team Computer (Faculties)....

Under the leadership of

Sh. R.M. Shaikh

Team Members

Smt. J.J. Karagthala

Smt. J.D. Trivedi

Smt. D.S.Singh

Smt. A.I.Rangrej

Smt. N.R.Sheth

Smt. P.P.Patel

Ku. D.S.Baldev

Smt. S.G.Langhnoja

Smt. R.K.Pandya

Smt. V.R. Ratwani

Smt. K.D.Virani

Smt. Z.R.Shah

Smt. C.J.Vaghela

Sh. D.M. Gohil

Words from Department Leader...

Dear Stakeholders,

Our department has commenced the newsletter "FemBit". I am delighted to publish summer-2020 issue of our "FemBit".

This term was absolutely different from the conventional term , The pandemic has changed all the paradigm of the academic. A new online teaching methodology is introduced in this term, although it needs improvement for the laboratories point of view.

I am upbeat of the interest taken and cooperation provided by Students, faculty members and industries to take it long way.

Once again I would like to thank my "Team Computer" that contributed for this issue by all means.

"Abhivyakti" is the student and faculty corner, that brings the hidden talents and creativity out on paper through "FemBit".

R.M.Shaikh
H.O.D. Computer Engg.
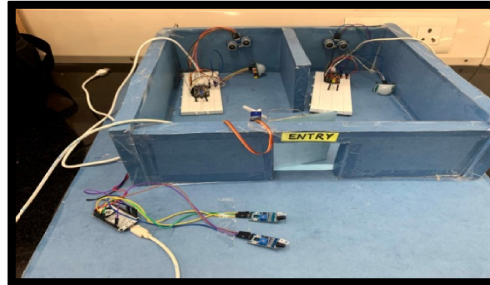
✸ About the term ….

The year 2020 will be remembered by all for the pandemic. All over the world everything is stop and so our offline teaching also. Students could attend the college prior to the announcement of lockdown but after lockdown 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 started the online teaching.

✸ Online Teaching

- "Microsoft Teams" a online teaching platform is provided by the initiative of Commissionerate of Technical Education and Education department of Government Of Gujarat.

- 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.

✱ Students Innovation

- Final year students of Computer Department had participated in Smart Gujarat for New India Hackathon 2019-20.Team of seven students of final year were selected for Final Round.

Reduce lightning wastage in Small and Medium Scale Industries

- Final year students of Computer Department has successfully developed and launched the website "Ladega India Jitega India" regarding COVID-19 LIVE UPDATES. The website shows live statistical Covid-19 pandemic data with information regarding essentials, resources, symptoms and preventive measures to be taken during this pandemic.

    Team Members: Neer Choksi, Jhanvi Jethva and Darshika Sathwara.
    Link:http://ladegaindiajitegaindia.rf.gd/
    Alternate Link:http://ladegaindiajitegaindia.000webhostapp.com

Out Standing Students
In
University Exam (Winter-2019)

Obtained Full SPI (Semester Performance Index - *10 Out Of 10*)

Fifth (5th) Semester ....

CHOKSI NEER ANIRUDDH

LUHAR VINISHA NAVINBHAI

MEHTA HETA JAWAHARBHAI

PANDYA PRIYANSHI RAJESHKUMAR

SHARMA TRIPTI BRIJESH

Third (3rd) Semester ....

CALCUTTAWALA MURSHIDAH ASHISH

PANDYA GNEYA MILANBHAI

PITRODA KHUSHI PRAVINBHAI

SHAH SHRUVI JATINBHAI

TIYA NILESH MEHTA

Students Obtained Rank at State University Level Among All Branches

PANDYA GNEYA MILANBHAI   9.86 CPI   10 SPI - Rank 5th (CPI wise and SPI Wise)

Congratulations to our scholars ......

☀ Trends in Technology……

❋ 8 billion devices will be connected to the internet by 2020.

❋ More than 570 new websites are created every minute

❋ The startup Kinsa uses its smart thermometers to detect and track the spread of contagious illness before patients go to the hospital

❋ Everactive provides an industrial "internet of things" platform built on its battery-free sensors.

❋ Machine learning system from MIT CSAIL can look at chest X-rays to diagnose pneumonia and also knows when to defer to a radiologist.

❋ Convolutional neural networks, a form of "deep-learning" algorithm, have been used to study how the brain processes static images and other visual stimuli.

✸ Faculty Development Programs …

- ❖ R. M. Shaikh & J.J.Karagthala have taken training on "Validating Cos,Pos,PEOs and their mapping"
- ❖ J.J.Karagthala has taken mooc training on"Programming in Java".
- ❖ J. D. Trivedi , D.S. Singh ,A.I. Rangrej,P.P.Patel have taken mooc training on "Problem Solving through C Programming"
- ❖ S. G. Langhnoja, R. K. Pandya and K.D.Virani have taken mooc training on "Accreditation for Diploma Engineering"
- ❖ S. G. Langhnoja has attended training titled Induction Phase -2

✸ Faculty Achievement ….

- ❖ S. G. Langhnoja published paper on the "Electroencephalography based user Mood Validation using Convolution Neural Network" topic in 5th International Conference on Inventive Computation Technologies(ICICT 2020)26-28 February,2020 and also published paper on the "Effect of different activation function on EEG signal classification based on Neural Network" topic in 4th International Conference on Computing Methodologies and Communication 26-28 February,2020

✸ University & Department Announcement …..

- Date of commencement of new term for semester 3 and 5 is 22nd June 2020 and for semester 1 is 15th October 2020.
- 3rd and 5th semester Mid Semester Examination is scheduled from 14/9/2020 to 18/9/2020.
- 3rd and 5th semester Re-Mid Semester Examination is scheduled from 5/10/2020 to 9/10/2020.
- 1st semester Mid Semester Examination is scheduled from 18/1/2021 to 22/1/2021.

Activities inside the Campus...

✸ **Stress Management**

A seminar on Stress management was arranged at college on 3rd February 2020. The speaker of the seminar was Mr.J.C.Patel. He emphasized on the fact that stress will only lead to failure. If one practices a stress free life, success is inevitable.

He also demonstrated few exercises which can help release stress, which can lead to a peaceful mind.

Gymkhana in collaboration with Ek Bharat Shresth Bharat club organised sports day at the college on 1st Februrary 2020. Cricket, kho-kho, chess were the main attraction at the Sport day. It also included one minute fun games for students and musical chair specially for faculties.

✹ "ABIVYAKTI" – the Students' Corner…..

EXAMS

Exams bring about a lot of tension,

More than getting a letter of suspension,

Noting down everything under 'mention',

Oh God! How to handle this tension!

We need to study from A to Z,

Anything and everything from tail to Head;

Symbols of elements from Calcium to Lead,

And after all this we're dead!

All does not end here,

Just the beginning, very mere;

Chapters include from Macbeth to King Lear,

Which makes us sweat out of fear?

But, there's more to tell,

Diagrams are from a tooth to a cell;

Very difficult words to spell,

Mugging it up till our heads swell!

In the morning we all go as know-it-all nerds,

But upon seeing the paper, we search for words!

After all, exams are a competition,

Which strengthen us to achieve life's mission!

- Tiya Mehta

(Semster-4th)

FemBit

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

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