



Newsletter **Computer Engg. Dept.**

FALL 2020

“A journey where technology and humans collaborate to make miracles”



Computer Engineering department of GEC, Gandhinagar is where logical technological minds collaborate with creative problem solvers to solve the problems of future and design the future world. We synergise human welfare along with technological advantages to achieve the most comfortable lives ever in the future

About College

Established in 2004, Government Engineering College, Gandhinagar (GEC-Gn) takes pride in its highly motivated students. Our students are life-long assets that help this institute to continuously evolve and work towards its Vision. Approved by AICTE. The College is administered by Directorate of Technical Education, Gujarat State, Gandhinagar. GEC Gn is affiliated to Gujarat Technological University. GEC-Gn offers its students a wide range of courses to choose from. This helps them to become multi-skilled personalities who can handle the challenges that industry and society will pose before them as future engineers. Committed, to deliver excellence in everything that it does, our institute works towards reducing the gap between industry and education. GEC-Gn endeavors to educate its students in a manner that offers them an opportunity not only to excel in academics but to be completely aware of their future industrial needs for professional expertise through innovative and flexible curriculum.

Vision

To be a premier engineering institution, imparting quality education for innovative solutions relevant to society and environment.

Mission

1. To develop human potential to its fullest extent so that intellectual and innovative engineers can emerge in a wide range of professions.
2. To advance knowledge and educate students in engineering and other areas of scholarship that will best serve the nation and the world in future.
3. To produce quality engineers, entrepreneurs and leaders to meet the present and future needs of society as well as environment..

About Dept.

Department of Computer Engineering is well posed to cater the needs of the course. It is equipped with well-developed laboratories to satisfy the course curriculum of various subjects related especially to the Computer field. The main backbone of the course is educating knowledge of computer and its engineering . Almost all fields are computerized to have ease of handling the problems of designing, manufacturing, maintenance, servicing, researching, marketing and accounting. The B.E. Computer engineering program includes computer operations on different languages, data generation , collection and utilization of information. The course imparts all the basics as well as latest knowledge pertaining to the rapidly developing field of computers. The course is designed to keep students in pace with the practical field. The mission of the department is to produce and impart theory, principles, practice and know-importance of computing in the information age. This is require for the critical analysis, design, evolution and improvement of computing system in context of computers and industry services.

Vision

To achieve excellence for providing value based education in Computer Engineering through innovation, team work and ethical practices.

Mission

1. To produce computer science and engineering graduates according to the needs of industry, government, society and scientific community .
2. To develop partnership with industries, government agencies and R & D Organizations
3. To motivate students/graduates to be entrepreneurs.
4. To motivate students to participate in reputed conferences, workshops, symposiums, seminars and related technical activities .

Program Educational Outcome (PEO)

1. To provide students with a strong foundation in the mathematical, scientific and engineering fundamentals necessary to formulate, solve and analyze engineering problems and to prepare them for graduate studies, R&D, consultancy and higher learning.

2. To develop an ability to analyze the requirements of the software, understand the technical specifications, design and provide novel engineering solutions and efficient product designs.learning.

3. To provide exposure to emerging cutting edge technologies, adequate training & opportunities to work as teams on multi-disciplinary projects with effective communication skills and leadership qualities

4. To prepare the students for a successful career and work with values & social concern bridging the digital divide and meeting the requirements of Indian and multinational companies.

5. To promote student awareness on the life-long learning and to introduce them to professional ethics and codes of professional practice



Programme Specific Outcomes (PSO)

1. Design ,develop, test and evaluate computer based systems by applying standard software engineering practices and strategies in the area of algorithms, web design, data structure, and computer network

2. Apply knowledge of ethical principles required to work in a team as well as to lead a team

Events & Activities

1 *Event in
Quench
2020*

2 *The
Expert
Talk*
Sponsored by Digipple

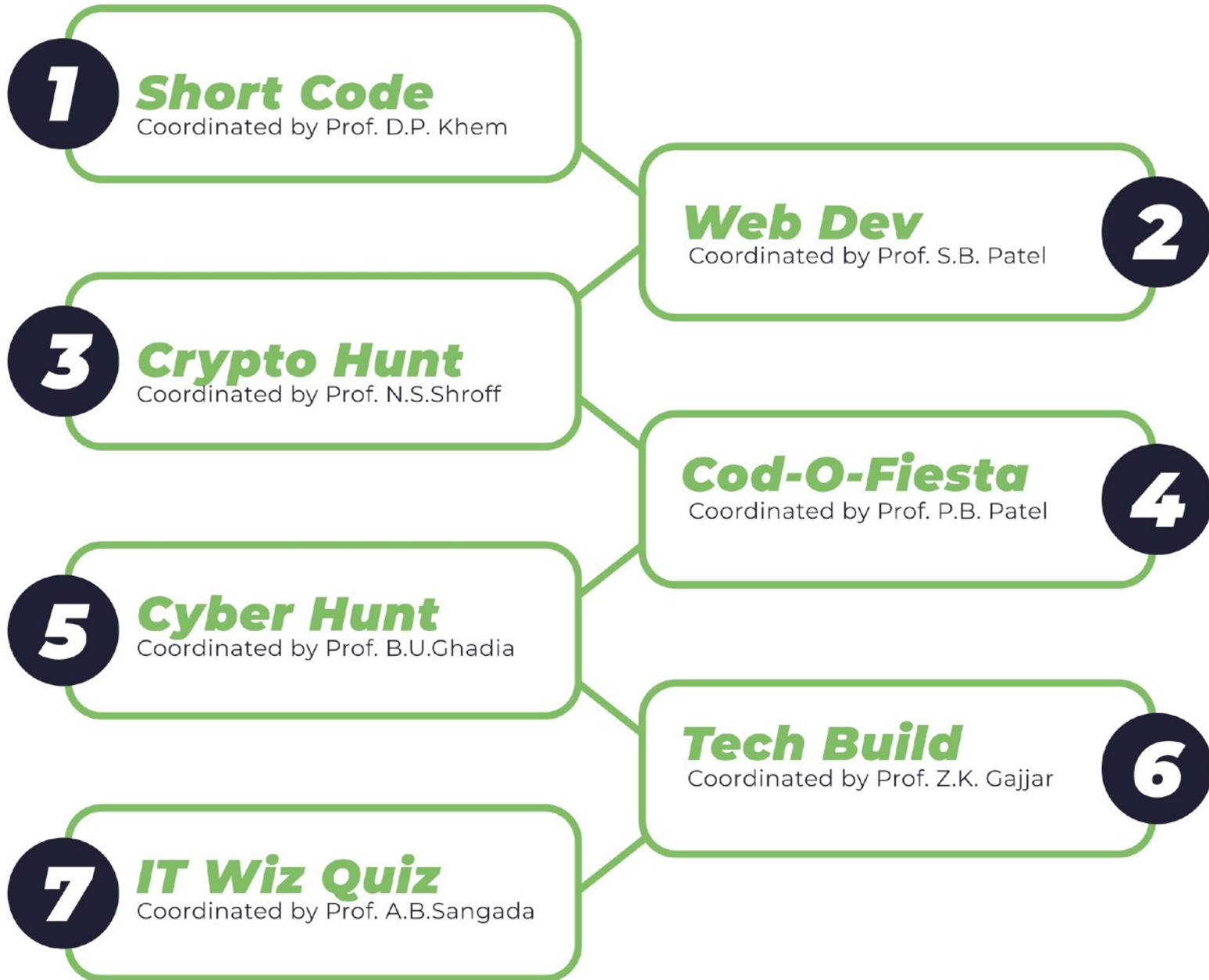
3 *STTP
On ML &
Python*
Sponsored by DTE, GTUCOST

4 *Open
House
2020*

5 *STTP on Android
Programming*
Sponsored by GTU & DTE

“Curricular Activities are the pillars of student’s career but co-curricular activities are the rods inside the pillars so we never miss to strengthen them”

Quench Events (Organised by CE Dept.)



Glimpse of Quench Events (Organised by CE Dept.)



The Expert Talk

This event as its name suggest “THE EXPERT TALK” was organised with a purpose to deliver the values and knowledge other than academics that are really important in the real corporate world.

Expert Talk was organised by the CE Department of GEC Gn and sponsored and managed by the Digipple, partnered with Government engineering college Gandhinagar .

It has covered the topics related to the personality and soft skills, career opportunities & future technology. Our very talented panel of speakers was consist of Prof. Tarun Patel, Prof. Dhaval Khem & Prof. Pinal Patel who were all the experts and well experienced in their fields .

Principal of GEC Gn, Mrs. Shweta Dave and H.O.D. of CE department Prof J.S. Dhobi and also the H.O.D. of other departments from the college added the charm to the very knowledgeable event. .



STTP on ML, Data Science Deep Learning with Python

Preamble

A two-week STTP on Machine Learning, Data Science and Deep Learning with Python had been conducted from 10th to 21st of June 2019, at Government Engineering College, Gandhinagar. Program was approved by DTE and sponsored by GUJCOST. The training program was organized by Computer Engineering Department of Government Engineering College, Gandhinagar under the coordination of Prof. B.V. Buddhadev(H.O.D. of C.E. Department) , Prof. Pinal J. Patel and faculties of C.E. department .

Conclusion

The two-week STTP program on Machine Learning, Data Science and Deep Learning was an opportunity to come across the trending and emerging technologies of computer science. It showed that how these technologies were inspired from working of human brain and how they get fit into this modern world. It generated the curiosity to know more about these technologies and spread this knowledge further to upcoming engineers .

Description

After the inauguration Prof. B.V. Buddhadev (H.O.D. of C.E. Department) started the training program with their session on Hardware and Software Computing. He taught the difference between the both types computing approaches with taking several examples .

On the very next day, Dr. Srimanta Manda<occupation> was invited to take a session on statistics and probability which is an integral part of Machine Learning. He taught the different statistical and probability tactics that are generally used in Machine learning. In post lunch session, he started with different predictive models like linear regression, polynomial regression, multivariate regression and multimodels. He showed the working of each model and they get fit into machine learning .

Glimpse of STTP ON Machine Learning, Data Science and



Glimpse of Open House



Glimpse of Android Programming



Computer Engineering Department

"Building the future world"

Head of Department

Dr. D.A. Parikh



Facilitator

Prof. J.S. Dhobi



Faculty Coordinator

Prof. Pinal Patel



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7th sem CE Student, Co-Founder & CEO at Digipple



Special Thanks To



Dr. Shweta Dave

Principle of GEC, Gn



Prof. B.V. Buddhadev

Ex H.O.D. CE Dept.

Thanks to all supporting members (Faculties) of CE Dept.

Asst. Professor
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Asst. Professor
Mr. Ashwin Prajapati



Asst. Professor
Mr. N.K. Prajapati



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