Department of Information Technology

Department of
Information Technology

Newsletter 2016
Volume 1 : Jan 2016 - Dec 2016

VGEC
Chandkheda

From the Principal's Desk

Dear Students & Faculty Members,
It is a pride event for us to present the yearly issue of IT Department, VGEC Newsletter, 2016. In this generation of global technological development, India is at the cusp of digital revolution. It is emerging as one of the fastest growing nations. Industrial, technological and scientific development is advancing at a very fast pace.

With such backdrop, there is a major demand for highly competent, skilled, efficient and well-trained engineers. Engineering colleges are in an inevitable race to provide well-qualified engineers satisfying the industry requirements. With this objective in mind, Vishwakarma Government Engineering College is giving in its best efforts to produce quality engineers. We are delighted to encourage various multidisciplinary workshops, seminars and projects throughout the year. Our primary focus is to inculcate right attitude with perfect aptitude into our students. We are doing our best to promote all round development into our students so that they excel in their goals in whatever they do. I am assured that our efforts would be fruitful and bring quality to the development of the nation.

- Dr. R. K. Gajjar (Principal, VGEC)

From the Head of Department's Desk

It is an event of great delight and gratification to present the yearly issue of VGEC Newsletter, 2016. It is prestigious for us to be the part of an organization which is persistently working towards producing quality engineers. Technology is an important part of our lives today that a few people can imagine living without. With the growing impact of technology on people's lives, it has become our responsibility to produce socially responsible, efficient and technically competent engineers.

Technology adoption is becoming more pervasive and is leading to rising demand for talent from multiple industries. This has implications for skills required in growing in-demand job roles such as Data Scientists, Automation, Embedded Software Engineers, Digital Transformation, IOT, etc. While certain traditional skills like Java, Web Development and Database Management remain high in demand, requirement of new digital skills such as mobile, cloud, analytics and cyber security is increasing. This development has created the demand for highly skilled professionals who can tackle real life challenges. To fulfill these demands, we are putting in our best efforts by conducting various workshops and seminars. We encourage our students to take up challenges and promote team skills within them. We intend to provide all-round development to students and serve our part in the development of India as a technological society.

- Prof. Shailesh D Panchal (Head of Department, IT, VGEC)

Department Best Practices

- Outcome based learning
- Subject wise project
- Continuous mentoring and evaluation of student projects
- Organize seminars, workshops, expert sessions in cutting edge technology like IOT, Data Analytics, Big data, Machine learning.
- Arrange expert sessions for all round development of students to make them industry ready.
- Collaboration with industries in projects.
- Active participation of students in social welfare activities.
- Conduct remedial sessions for weak students
- Faculties work on funded research projects to engage students in research related activities.
- Pedagogy sessions on recent technology by faculties
- Encourage students to participate in various events, competitions

Departmental Profile

Name Of The Department	Information Technology
Course	Bachelor of Engineering
Year Of Starting	1999
1st Year Of Approval By Council	1999 742-1-5(GUJ)/EI/99, 6/7/99
Year Wise Sanctioned Intake	60

Faculty Profile

Faculty Name	Designation
Prof. Shailesh D Panchal	Head of Department
Prof. Dhaval J Varia	Assistant Professor
Prof. Anoop P Patel	Assistant Professor
Prof. Safvan A Vahora	Assistant Professor
Prof. Nikunj C Gamit	Assistant Professor
Prof. Jashvant R Dave	Assistant Professor
Prof. Naimisha S Trivedi	Assistant Professor
Prof. Jignesh H Vania	Assistant Professor
Prof. Tushar R Parmar	Assistant Professor
Prof. Usha D Yogi	Assistant Professor

Vision

"The department of Information Technology aims to achieve the global standards in technical education, research and development."

Mission

1. To produce technically competent and socially responsible graduates.
2. To develop well equipped laboratories to gain practical exposure in IT practices.
3. To support research culture for the advancements in the technology.
4. To enhance industry linkage for good placements and real world exposure.

Program Educational Objectives (PEOs)

1. The graduate will be a competent professional with high-level technical proficiency in the field of Information Technology to identify problems and develop solutions to meet the industrial needs.
2. The graduate will exhibit professionalism, teamwork and leadership skills.
3. The graduate will be capable enough to adapt the changes in roles and responsibilities through professional development.
4. The graduates will ethically apply their computing knowledge and skills considering societal needs.

Program Specific Outcome (PSOs)

1. Apply design and development principles to develop software applications/products of varying complexity in emerging areas.
2. Ability to apply mathematical methodologies to solve computation task, model real world problem using appropriate data structure and suitable algorithm.
3. Ability to use current tools and techniques necessary for computing practices.
4. Ability to use knowledge in various domains to identify research gaps and provides innovative solution.

Departmental Activities

Workshop on MVA Azure course- Ahmedabad

A Microsoft representative had taken a session on Microsoft Virtual Academy(MVA) Azure Course to explore various services and how a student can freely use that software on 10th May, 2016. Total 25 students had participated in the workshop.

Seminar on "Open Source Technologies (Wordpress-PHP Framework)" by Dream Tech Innovation™ Private Limited

On 16th September, 2016, Mr. Ruchit Gandhi (Director) and his team conducted the seminar. The seminar covered key points like:
* How to develop a custom web site starting from scratch
* Starting with HTML/CSS static template to making site dynamic and live.
* Concepts, best practices and insights of Wordpress-PHP framework.
Total 65 students had attended the seminar.

Cleanliness Activity of B-Block Garden Under "Swachhata Abhiyan" of NSS

Department celebrated "Swachhta Abhiyan" on 1st October, 2016 with great enthusiasm and activities went in full swing. Several cleanliness activities like taking of Swachta Shapath, all the classrooms and laboratories along with Garden were cleaned by respective class students, all the passages and lobbies in and around the department were cleaned properly under the instructions of faculties by peon and students as well. Total 50 students helped to clean the garden.

Training on GD & PI by ITM Group, Mumbai

On 15th September, 2016, in the view of coming placement season, a mock GD and PI was arranged for the students to help them understand and experience the rounds like Group Discussion and Personal Interviews conducted during the placements. The experts were from ITM group of instutitions, Mumbai. Total 45 students had attended the trainning session.

A State level Workshop on "Web Application Development using Visual Studio"

Department had Organized A State level Workshop on "Web Application Development using Visual Studio". 39 Students from different colleges of Gujarat have participated in the workshop. Workshop was organized for 5 days starting from 26th December, 2016 to 30th December, 2016. This workshop proved to be beneficial to student as per their response. In workshop, different controls of "Visual Studio 2012" were taught to design web application in effective manner.

"Shram Daan" Camp

Students and faculty members have helped in building toilet blocks and also helped in cleaning of the village-"Vadod". This activities were conducted during 14th September to 17th September, 2016. Total 56 students of first sem joined the camp.

Talk on "How to prepapre for Placement" by TPO (IT Dept)

On 1st October, 2016 department conducted a talk on "How to prepare for Placement?". The talk included all the aspects to be taken care of while appearing for any placement activity. Points like what and how to prepare for clearing aptitude round, group discussion, technical interview and HR interviews. Students were also explained about the points that are observed and considered by the recruiters at various stages. Total 40 studenrs had attended the session.

Student Achievements

Sr No	Name of Student	Brief Decription of Achievements	Name and Address of Awardee	Day/Month/Year of Award
1	John Johnson Mavileth	Participated in International Exprience Program hosted by Laurentian University	Laurentian University, Canada	13-Jun-16 to 24-Jul-16
2	Shweta Buddhadev	Participated in International Exprience Program hosted by Laurentian University	Laurentian University, Canada	13-Jun-16 to 24-Jul-16
3	Prachi Thakkar	Participated in International Exprience Program hosted by Laurentian University	Laurentian University, Canada	13-Jun-16 to 24-Jul-16
4	Oza Urvi	Participated in International Exprience Program hosted by Laurentian University	Laurentian University, Canada	13-Jun-16 to 24-Jul-16
5	John Johnson Mavileth	Scored 1707th Rank Codevita the TCS Global Coding Contest round 1	TCS	19-Aug-16 to 20-Aug-16
6	John Johnson Mavileth	Participated in Governance and E Commerce: Contemporary Issues and Challanges	International Conference Centre for Marketing Excellence and Centre for Governance System	2-Sep-16 to 3-Sep-16
7	Drashti patel	Felicitated by CM,Gujarat for Swacch Bharat Mission,NSS VGEC	Porbandar,Gujarat	02-Oct-16
8	Ishita K. Shah	Got 1st Runner Up Position in "ADD MAKING" Competition In XITIJ-16 (GTU Youth Fest) In Zonal level	Gandhinagar Zone XITIJ'16 held at Smt. S.R. Patel Engineering college	07-Oct-16 to 08-Oct-16
9	Nishit Shah	Selected as IEEE AISYWC'16 Conducted by IEEE Jaipur Section	LMNIT Jaipur	07-Oct-16 to 09-Oct-16
10	Nishit Shah	Selected as IEEE AICSC 2016 conducted by IEEE Computer Society - Hyderabad Section	IIIT Hyderabad	15-Dec-16 to 17-Dec-16

Faculty Participation in Various STTP, Workshop

Sr No	Name of Faculty/Staff	Type of Events	Details/Name/Title of Event	Name of Organizer/Place	Day/Month/Year
1	Prof. Safvan A Vahora	STTP Attended	Induction Phase-2	NITTTR Bhopal	17-Oct-16 to 28-Oct-16
2	Prof. Anoop P Patel	STTP Attended	Induction Phase-2	NITTTR Bhopal	17-Oct-16 to 28-Oct-16
3	Prof. Jashvant R Dave	Seminar Attended	Research Opportunities in Collabration with Industries	VGEC, Chandkheda	24-Oct-16 to 25-Oct-16
4	Prof. Usha D YOGI	Seminar Attended	Research Opportunities in Collabration with Industries	VGEC, Chandkheda	24-Oct-16 to 25-Oct-16
5	Prof. Naimisha S Trivedi	Seminar Attended	Research Opportunities in Collabration with Industries	VGEC, Chandkheda	24-Oct-16 to 25-Oct-16
6	Prof. Nikunj C Gamit	Seminar Attended	Research Opportunities in Collabration with Industries	VGEC, Chandkheda	24-Oct-16 to 25-Oct-16
7	Prof. Dhaval J Variya	Seminar Attended	Research Opportunities in Collabration with Industries	VGEC, Chandkheda	24-Oct-16 to 25-Oct-16
8	Prof. Shailesh D Panchal	Workshop	e-Yantra	IITRAM, Ahmedabad	18-Nov-16 to 19-Nov-16
9	Prof. Dhaval J Variya	Seminar Attended	Digital Banking and Cahsless	TownHall,Gandhinagar [Under NSS']	05-Dec-16
10	Prof. Shailesh D Panchal	Workshop	Hands-on on Internet of Things (IoT)	CE Department, VGEC Chandkheda	20-Dec-16
11	Prof. Dhaval J Variya	Workshop	Hands-on on Internet of Things (IoT)	CE Department, VGEC Chandkheda	20-Dec-16
12	Prof. Jashvant R Dave	Workshop	Hands-on on Internet of Things (IoT)	CE Department, VGEC Chandkheda	20-Dec-16
13	Prof. Jashvant R Dave	Expert Sessions Conducted	State level Workshop on "Web Application Develpment using Visual Studio"	IT Department, VGEC Chandkheda	26-Dec-16 to 28-Dec-16

Faculty Research and Publication

Sr No	Name Of Faculty	Publication/journal /Conference/Book	Title of Publiction	Name of /Book/Conference/Journal	Type of Publication	ISSN /ISBN No.
1	Prof. Shailesh D Panchal	Journal of the Indian Society of Remote Sensing	Improved Image Pansharpening Technique using Nonsubsampled Contourlet Transform with Sparse Representation	Journal of the Indian Society of Remote Sensing, Springer Publication, DOI 10.1007/s12524-016-0608-z	International	0255-660X (Print) 0974-3006 (Online)
2	Prof. Safvan A Vahora	Conference	Gender Classification From Faces: A Survey	International Conference on Research and Innovations in Science, Engineering & Technology	International	ISBN No- 978-93-84339-38-8

Media Corner

Drashti Shah
5th Sem

Felicitated by Chief Minister ,Gujarat
for Swacch Bharat Mission,
NSS VGEC

Ishita Shah
5th Sem

Got 1st Runner Up Position in "ADD MAKING" Competition In XITIJ-16 (GTU Youth Fest) In Zonal level

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