



ASPIRE-1

Bi-Annual Newsletter

JAN -2018 TO JUN -2018

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We are thrilled to publish the first issue of ASPIRE, the semiannual newsletter of Government Engineering College, Gandhinagar. This newsletter aims at highlighting the activities and achievements of students and faculty members. The college media cell is thankful to everyone who contributed to the newsletter.

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IN THIS ISSUE



Messages

Interview with GECG Principal

Faculty Achievements

Placement Details

Student Achievements

Department Activities

NSS Activities

Picture Gallery

Messages

Dr. I.N. Trivedi, Head, General Department:

It's a matter of pleasure that our institute has planned to publish a regular newsletter to convey and share the feelings and varieties of information and achievements amongst one another. I hope that it will create healthier environment towards fulfillment of institute's vision, mission, and goals in near future in line with higher offices of Gujarat Government. I hope with the newsletter platform, the team GECG will be able to communicate more accurately to the stakeholders with large societal implications.

The journey of a thousand miles begins with one step. It gives me an immense pleasure to congratulate students and faculties for the first publication of our college newsletter.

Newsletter is believed to be a focus of the inside activities occurring in the institute. In the era of engineering and technology this newsletter will motivate the teachers and students for sharing their creativity and new ideas with the world and will help in their overall development. This newsletter would definitely be a source of inspiration and motivation for all the students and faculties to contribute even more to the forthcoming issues.

Once again I congratulate to all the team members and best wishes for publication of the newsletter. : **Dr. S. A. Rankawat, HOD (IC)**

Dr. I B Dave, Head, Metallurgy:

We wish a great success not only to this maiden issue of the newsletter but coming issue too. Hope GEC-G Newsletter will be informative to all stakeholders.

It gives me a great pleasure to congratulate my students, faculty members and staff of Electronics & Communication Engineering department for the publication of first E-newsletter. E-Newsletter is believed to be a focus of the inside activities like academics, students and faculty achievement as well as innovation and various activities occurring in the department.

I am sure that this E-newsletter will motivate the faculty members and students for sharing their creativity and new ideas with the world in the field of Electronics & Communication engineering and technology. I heartily congratulate GECCGn E-newsletter publication team for giving us an opportunity to highlight our departmental academic, co-curricular & extracurricular activities through this platform. I am also thankful to all my colleagues for their sincere efforts to help overall development of students and the department. :

Prof. (Dr.) K. G. Maradia, HOD, EC Department

It gives me a great pleasure to congratulate all my dear students, faculty members of Computer Engineering Department for the publication of an E-newsletter. It will focus on different academic activities, achievements of faculty members, innovations, curricular, extracurricular activities and various other activities of the department. I hope that the E-newsletter will motivate the faculty members for sharing their ideas.

I heartily congratulate all the team members of the E-newsletter for providing us an opportunity to spread a word about our departmental activities.: **Prof. B. V. Buddhdev, Head, Computer Engineering Department**

Interview with Prof. Sweta P. Dave, Principal, GEC-Gandhinagar

The post of a principal in an engineering institute isn't an easy position to hold. We had an opportunity to interview Dr. Sweta Dave, Principal, GEC-Gandhinagar, for the first issue of our newsletter wherein she shed light on various topics related to the college and the students, as well as education and society at large

Q. How has your experience been being the principal of this college?

A. Before here, I worked as a principal of Government engineering College, Patan and it was great. Though the challenges were different there but it was a great experience for me. And if I talk about here, Government engineering college Gandhinagar has been a great place to be. The faculties are very co-operative and the students are really good. All in all I enjoy here working as a principal.

Q. Can you give us a comparison between how college life like when you graduated?

A. Oh very different. I did my graduation in the year of 1988 from L.D. College of Engineering. I started in 1983. Though it was a four year program, it actually took me five years to complete it due to the AnamatAndolan of 1984. In my time, what I felt was that the teaching pattern was more Classroom based. It was kind of a one on one teaching pattern which worked on just two sphere heads, Teacher and Student. The exposure to Social Platforms wasn't as much as it is today. Today, if I may say, the system has improved a lot. It is constantly moving towards the hands on learning more than just book based. That is the prime difference I see in the patterns of then and now.

Q. What are your thoughts about students using social media?

A. Every technology has its pros and cons. The way you use it matters. Today, you can get any information of the world on the tip of your fingers. That is really impressive. But if we go by the numbers on average, an Indian student wastes 4-5 hours a day on social media. Now, that's a complete waste of time. Personally what I think is that these four years of yours are very precious for you. No doubt that these years are going to be a very memorable time period of your lives and you should enjoy them as much as you can but that doesn't mean that you should waste them. As I said, the use of any technology is important. If you use it in a harmful manners, there's no doubt it is going to harm you, but why not use it in a better way? Why not develop yourself from it? There are a lot of online courses available, if you think that you can crack them, why not go for it? Yes, they might require some money for the certificate if you don't have it just learn, that is more important. That way you can learn a lot of things apart from your curriculum.

Q. What about our educational system?

A. What has been experienced all over the world is that our schooling system is the best but coming onto the college educational system, it is much more based in the classroom. I think it should be more of a project based system. If students are encouraged to go out and learn, I think they would make a better engineer out of themselves. Being an engineer, your job must be to look for the problems and solve them, maybe on a local base. Then comes the national problem. So what I believe is project based system might help a lot in the making of a skilled engineer.

Q. If you could change one thing about this college with a snap of your fingers, what would it be?

A. I have attended a lot of teaching related workshops in the prime institutes of this country and if there is one thing which was common in each one of those institutes was in house teaching. Labs were open till the middle of the night, students stayed in the campus for long, discovering and working on new things. So if there is one thing I would like to change would be to introduce in house teaching and give it a go. Because what it does is that it provides the students with a great atmosphere of learning, discovering and experimenting. If students are provided that then I think there is no stopping them. It made students stay in the campus and maybe it can help students nurture into a different person.

Q. Following up to that question, we have seen a trend of very poor employability of engineering graduates. The companies are simply saying that they are not in-tune with the industry. What solution would you suggest?

A. You have four years of engineering during your bachelorette course. During these four years you have seven long vacations. During those vacations I think you should go for industrial internships. These internships would definitely help you people getting a great experience in terms of how an industry works. Well, I believe that students should must go for it from the first semester itself.

Not just industries, if somebody is interested in research work, they might opt to apply in the institutes like IITs and IISc as research interns. That, in my opinion would help very much in terms of employability and also your skills. And it's not just for learning, you get to meet students from the different parts of the country. I agree that vacations are for having fun, but don't you think that meeting new people from all over the country and working with them on many interesting things is fun? Isn't it?

Q. You being a woman and working as a principal of this institute, what do you feel about society's attitude towards gender equality?

A. Honestly, I feel yes as a society we are much more open minded and liberal compared to past. What I have seen today in the urban areas of the country is that parents do not differentiate between male child and female child. Both are given equal opportunities, both are given equal amount of resources. That's the way it should be. There shouldn't be any difference between any genders. But I also believe that there is still a long way to go. What I have seen is that the rural parts of the country are still prejudice about girls and woman. Both are equal and both are equally capable. So, I do believe that we have improved but there's still a long way to go.

Q. What do you like to do in your free time, what are your hobbies?

A. Since childhood I was fond of singing, dancing and swimming. But today, I like reading, actually I love reading. I'm an avid reader. In terms of genre I prefer autobiographies as there is a lot to learn from them. Currently, I'm reading Steve Jobs. Biographies of inspirational people is my go to preference in terms of reading.

Q. If you'd like to say something, in just one sentence to your students, what would it be?

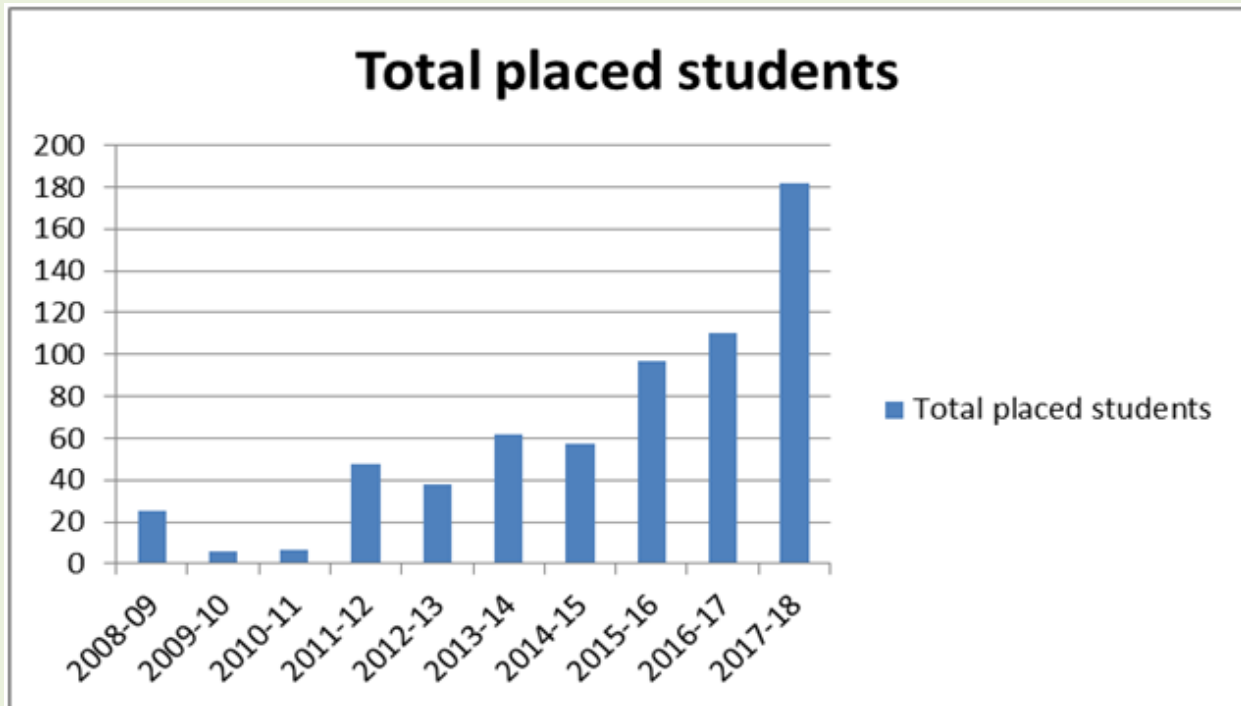
A. My very single line message to all of you might be to get the best of these four years that you spend in this college. Try to learn as much as you can. Mould yourself as an empathic person towards society. Because after all that is the first thing which is required from today's young generation.

College Placements Update (2017-18)

This year, the college was visited by 48 companies.

- Total 182 (approximately 40%) students got placed in various organizations.
- Other students opted for higher studies and preparation of competitive examinations.

The following graph shows the college's placement records for the past 10 years.



The T&P Cell Activities

GECG's Training and Placement Cell comprises a team of faculties and students coordinated by TPO under the mentorship of Principal.

Major Activities

- Maintain and update students database for placement
- Maintain and update industry database for placement
- Interact with industries by E-mails, phone calls and personal visits
- Interact with HR representatives in various training programs
- Invite experts from industries for expert lecture and interact for placement too
- Conduct industrial visits and try to know industry requirement
- Train students as per need of industries
- Groom students by way of finishing school and technical programs for soft skills, life skills and latest technical skills as per industry requirement.

Student Achievements

Devang Mehta IT Awards-2018

SonalBhut (EC Semester 3), ManaliRathod (EC Semester 5) and ShivangiTiwari (EC Semester 7) were awarded with Certificate of Excellence, Top Ranker-2018 under ShriDewang Mehta IT Awards 2018. Four students from Computer Engineering and four students from Information Technology branches were also selected for the Devang Mehta IT Award.



The GECG Girls Volleyball team reached the finals and was awarded the runners-up position in the GTU Zonal Volleyball Championship.

Faculty Achievements & Activities

Prof. D. H. Shah (Instrumentation and Control Department) completed her Ph.D in Instrumentation and Control Engineering from RK University.

Prof. N.M.Bankar (Electronics and Communication Department) has been awarded with GUJCOST Minor Research Project grant of Rs. 3,70,000 for the proposal on “ Design and Implementation of Reconfigurable Digital Filter Banks for spectrum sensing in Cognitive Radio (CR)” by GUJCOST -Dept. Of Science and Technology.

Prof. S.A.Rankawat (Instrumentation and Control Department) completed her Ph.D from DhirubhaiAmbani Institute of Information and Communication Technology (DA-IICT).

Prof. VIjay P. Dave (Bio-Medical Department) completed his Ph.D from the Indian Institute of Technology, Bombay (IIT-B) in Biomedical Engineering.

Expert Lectures

Dr. Tarun Patel has delivered expert lectures at Marwadi University, Rajkot and ‘Functional English’ at Charotar University of Science & Technology, Changa on March 13 and March 17, 2018 respectively.

Paper Presentations

Prof. DevangMahant, Prof. Dani& Prof. B.R.Rana presented papers in International Conference on IC-RAMSD at M S University of Baroda.

Prof. P.K.Nanavati presented Research Paper in IIW 71st Annual Assembly and Int. Conference in Bali Convention Centre, Bali, Indonesia.

Prof. S.A.Rankawat presented a paper in IEEE International Conference Signal Processing Society, Malaysia.

Dr. Tarun Patel presented a research paper on ‘Using Web 2.0, Social Networks and Blogs to Improve Speaking, Writing and CT Skills of Graduate Students’ in the Canadian International Conference on Education organized by Toronto University, Toronto during June 25-28, 2018.

Prof. ShahidModasiya presented and published a research paper ‘Low profile L5 and S band Microstrip antenna for IRNSS Application Using Coaxial Feed’ in International Conference on Women in Science & Technology: Creating Sustainable Career.

Dr. Tarun Patel published four research paper in Samiksha International Journal, Journal of Creative Research THoughts, Volume VI- Issue I, March 2018 issue and A Compendium of Contemporary Literature published by Sethu University in March 2018.

Prof. YaminiParmar published a research paper in Mathematical Journal of Interdisciplinary Sciences, Vol -6, No -2, March 2018. The title of the paper was “Edge Vertex Prime Labeling for $K_{2,n}$ and $K_{3,n}$ Graphs”.

Other Activities

In GEC-Gandhinagar team of faculties and students are actively involved in various activities

As mentioned below.

- Industrial Visits
- Open House Project Fair
- SSIP –Student Start ups and Innovation Policy
- RUSA (RashtriyaUchchShikhaAbhiyan)
- Industry need based training programmes
- Finishing School Programmes
- Expert Lectures
- Alumni Meet
- NSS Activities

PHOTO GALLERY



IC –DEPT

Expert lecture and hands on session on Industrial Automation using Allen Bradley PLC by Prolific Systems & Technologies Pvt. Ltd., Ahmedabad was organized on 29-01-2018. The session focused on to brief the students about PLC architecture and system configuration with practical examples in Hands on session.



IC –DEPT

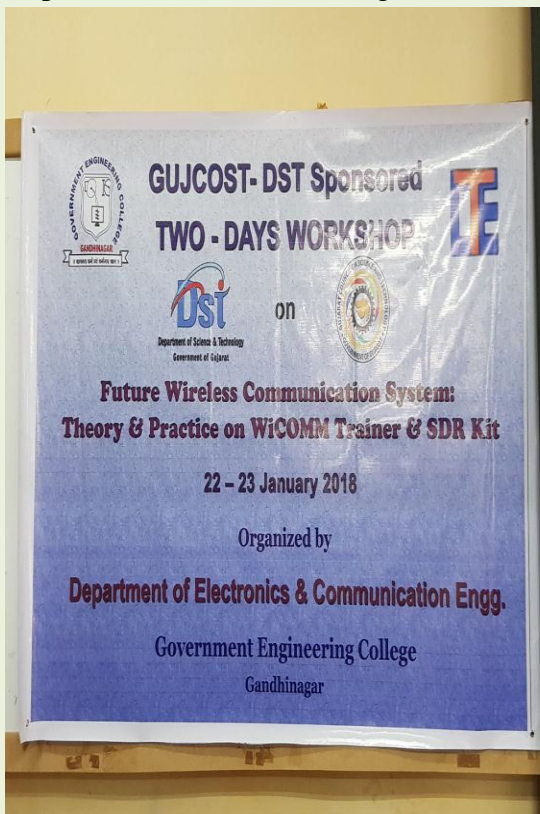
A workshop on Embedded system development was conducted by Sigma Trainers and kits Pvt. Ltd., Ahmedabad on 07-02-2018. The session focussed on working with Arduino Microcontroller and implementations of simple problems using ArduinoC.

Industrial visit – Advance Automobile lab as a part of Automotive Instrumentation



EC- DEPT

Electronics and Communication Engineering Dept., Government Engineering College, Gandhinagar has successfully organized GUJCOST-DST Sponsored Two-Day workshop On “FUTURE WIRELESS COMM. SYSTEMS: THEORY & PRACTICE ON WiCOMM TRAINER & SDR KIT” during 22-23 January 2018 at Block No. 2, E&C Department, GEC, Gandhinagar





CE-IT DEPT

For the year of 2019-20 placement activity is going on and seven companies (Cybercom Creation, Infosys ,Jignuts , Codal , Ordex , Tatvasoft, Argusoft) did on campus/off campus placement drive and around 20 students were placed



CE-IT DEPT

Expert lecture on Machine Learning from Way2Web were arrange for final year student



MET –DEPT



Industrial Visit at FCIPT-IPR, Sec-25, Gandhinagar & Expert talk on Plasma Technology by Dr. MukeshRanjan (40 Students along with Prof. B. R. Rana & Prof. D. G. Sharma)



Expert Talk on “Application of Plasma in Surface Modification” by Mr. SatyaPrakash, Scientist –D, IPR (54 Students along with Prof. D. G. Sharma & Prof. I. B. Dave)



Industrial Visit at “S Plus Tube Tech” at Chhtral GIDC, Sem – 6 & 8 (29 Students along with Prof. D. V. Mahant)



Dr. Tarun Patel has delivered an expert lecture on 'Art of Giving Presentations' at Marwadi University, Rajkot on March 13, 2018.

Dr. Tarun Patel has presented a research paper on 'Using Web 2.0, Social Networks and Blogs to Improve Speaking, Writing and CT Skills of Graduate Students' in the Canadian International Conference on Education organized by Toronto University, Toronto during June 25-28, 2018.

NSS ACTIVITIES



Next Issue:

Next issue will cover all updates from July-2018 to Dec-2018

All department activities, faculty contributions and achievements.

Students' Achievements etc will be covered in the next issue.

