

ELECTROCRATS'20

“ELECTROCRATS' 20”

EEE STUDENT'S FORUM

NEWSLETTER

13/1ST ISSUE, NOVEMBER 2020

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EDITORIAL

Dear Friends,

It gives us great pleasure and pride to be given the opportunity to publish department newsletter for the year 2020-21.

Action embodied in one's effort is the real key to happiness. There is no success and resultant happiness without action. What is more-you can derive satisfaction and happiness in having done your best. In spite of the tight schedule, the students of EEE Department have made this newsletter a reality by sharing their creativity, thoughts, general and technical knowledge.

Our sincere thanks to our management, Founder President, Dr. N.M. Veeraiyan, Director, Dr. Rajesh for providing us the necessary facilities. Our special thanks to our ever vibrant Principal Dr. R. Ramesh for being the mainstay throughout our journey. We are grateful to our HOD, Ms. Monica P Suresh and all our faculties for their constant support

Editorial Board



Principal's Message

I am very glad to note that the department of Electrical & Electronics Engineering is releasing their newsletter for the academic year 2020-21. The department newsletter brings out the activities, achievements and creativity of the students in the engineering aspects

The newsletter realistically connects the students, staffs, industries and institutional interaction. This newsletter contains various information about seminars, workshops, industrial visits, colloquium and Co-curricular activities. We aim at providing outstanding learning experience for all the students by conducting various activities in the student's forum to enrich their knowledge in different spheres. It is rewarding for us that each year we see our students develop and gain the confidence that will serve them well in life and work. I congratulate the editing team of this newsletter for their efforts and wishing them all the best!!

Dr. R. Ramesh

Principal



Vice Principal's Message

While we march forward towards our goals, we should look back to recollect what we have already done. We should also be aware of what we are doing at present and how we are doing it. We should also bring out a plan for the future. Newsletters exactly do these things. Bringing out newsletters train students in collecting, correlating and disseminating information and ideas.

I am happy that Electrical Engineering department is bringing out the newsletter. I wish the outgoing students a successful career and a bright future.

Dr.R.Senthil Kumar

Vice Principal



HOD's Message

I am very pleased to announce that the EEE student's forum is releasing its 1st issue Newsletter for the academic year 2020-21. The Newsletter brings out a lot of information which is useful to the students. I do hope students are benefited and gain a lot of knowledge through this Newsletter. I thank the editorial team for bringing out such a creative and interactive Newsletter. My best wishes to the students to achieve great heights in all their endeavours.

Mrs.Monica P Suresh

Head of Department

POTRAIT OF MEMORIES

ABHIJITH.S, IVth Year

Words seems hidden,
When memories strikes....
Smiling face of a father
Still in dreams
Haunting everywhere....everytime....
For her,he was a candle
Spreading rays of love
Showing paths to conquer
And for him,she was his dream....
Destiny in a harsh play
Blowed down the candle
At times life stands still
Turning oneself a solitary traveller
Remembering the past....
Countering the present....life flows
But memories still roll
Silently....unseen....wetting those cheeks.

STEPS FOR SELF CONFIDENCE

Monisha, IIIrd Year

You want to be confident and feel confident, but what if you're starting with a little or **no** confidence? How do you get from Point A to Point B? True self-confidence isn't an overnight acquisition. It takes dedication, to realize you are a good human being who is worthy of respect but you have to believe in yourself.

1. Recognize your insecurities. What does that voice in the back of your mind say? What makes you ashamed of yourself? This could be anything from acne to regrets, your weight, or friends at school. Whatever is making you feel unworthy, ashamed or inferior, identify it, give it a name, and write it down. You can also write the name on paper, then shred it up!

2. Don't view yourself as inferior to others. Don't walk around with the conscious mindset that others are better or more qualified than you, whether it's related to work, school, or just socializing. To a certain degree, it's good to walk around with a feeling of superiority. However, don't take this too far, or you'll come across as a jerk.

3. Talk about it with friends and loved ones. Wear it on your sleeve. Each day you should chip away at it; wear it down. There's no quick fix. Get to the root of the problem; focus on it and understand that you need to resolve each issue before you can move on.

4. Remember that no one is perfect. Even the most confident

people have insecurities. At some point in any of our lives, we may feel we lack something. That is reality. Learn that life is full of bumps down the road.

5. Identify your successes. Everyone is good at something, so discover the things at which *you* excel, then focus on your talents. Give yourself permission to take pride in them. Give yourself credit for your successes. Inferiority is a state of mind in which you've declared yourself a victim. Do not allow yourself to be victimized. Express yourself, whether it's through art, music, writing, etc. Find something you enjoy. Everyone is born with talents and strengths. You can develop and excel in yours. If it's difficult to name two or three things you have some ability in or just plain love to do, think about things others do that you would like to do too and take some lessons or join an enthusiasts club. When you're following your passion, not only will it have a therapeutic effect, but you'll feel unique and accomplished, all of which can help to build your self confidence. Plus, adding a variety of interests to your life will not only make you more confident, but it will increase your chances of meeting compatible friends!

6. Be thankful for what you have. A lot of the times, at the root of insecurity and lack of confidence is a feeling of not having *enough* of something, whether it's emotional validation, good luck, money, etc. By acknowledging and appreciating what you **do** have, you can combat

ELECTROCRATS'20

the feeling of being incomplete and unsatisfied. Finding that peace within will do wonders for your confidence.

7. Be Positive, even if you don't feel positive. Avoid self-pity, or the pity and sympathy of others. Never allow others to make you feel inferior--they can only do so if you let them. If you continue to loathe and belittle yourself, others are going to do and believe likewise. Instead, speak positively about yourself, about your future, and about your progress. Do not be afraid to project your strengths and qualities to others. By doing so, you reinforce those ideas in your mind and encourage your growth in a positive direction.

8. Accept compliments gracefully. Don't roll your eyes and say, "Yeah, right," or shrug it off. Take it to heart and respond positively ("Thank you" and a smile works well).

9. Look in the mirror and smile. Studies surrounding what's called the "facial feedback theory" suggest that the expressions on your face can actually encourage your brain to register certain emotions. So by looking in the mirror and smiling every day, you might feel happier with yourself and more confident in the long run. It also helps, to talk to yourself in the mirror. It helps your speaking skills.

10. Fake it. Along the same lines of smiling to make yourself feel happy, acting confident might actually make you believe it. Pretend you're a completely confident version of you; go through the motions and see how you feel.

11. Stick to your principles. It might be tough, but if you don't have something you can believe in, you don't have anything. If you don't

stand for something, you will fall for anything. No matter what's happened in your life, you can always lay claim to the fact that from this day forward, you've followed your principles to the best of your ability.

12. Help others. When you know you're kind to the people around you, and are making a positive difference in other people's lives (even if it's just being kinder to the person who serves you coffee in the morning), you'll know that you are a positive force in the world--which will boost your self confidence. Go volunteer twice a month at an elementary school. Bake something for your neighbour for no reason. Confidence that you have earned is the most long-lasting.

13. Don't Care What Other People Think You shouldn't care about what other people will think or are going to think because what's important is that you are fine with yourself and if you're fine with yourself, others will be fine with you!

14. Remember If someone insults you and puts you down, just remember that, they are not perfect either.

15. Look at yourself in the mirror and list all of the positive qualities that you have. Doing this every day can help to build a better self-view of yourself.

16. Work hard- Keep on doing your work honestly. Have a target in your life. Focus on it. Do anything to reach that target and see how that inner feeling of confidence comes to you.

ENERGY DEARTH AND RETRIEVAL WITH ALTERNATIVE ENERGY

VETRIVEL.S , IInd Year

Energy is the key input to drive the life cycle of this universe. It is the gift of the nature to the mankind. The consumption of energy is directly proportional to the progress of mankind.

India being a developing nation, its per capita energy consumption is very low. To achieve economic growth, more and more energy should be used to increase the pace of development. The price of energy has increased tremendously, that most of the countries spent 50% of their earnings to purchase energy. Generation of power needs resources. Resources available in our mother earth are diminishing day by day. The primary source of energy is fossil fuel, however finiteness of fossil fuel reserves and large scale environmental degradation is becoming the cause for global warming, urban air pollution and acid rain. This strongly suggest that harnessing of non-conventional, renewable and environmental friendly energy resources is vital for steering the global energy supplies towards a sustainable path.

Non-commercial sources like fuel wood , agricultural waste and animal dung constitute half of the total energy consumption . At current rate of consumption coal reserve in India would last for 130 years and oil for 20-25 years .Of the total energy used on earth ,coal constitutes 29%, oil gas 54% and electricity 17%. Public sector produces 558 billion KWh of electricity, while private sector produce only 58 billion KWh. 65% of total rural energy consumption is met from fuel woods. At this rate, in near future, fuel wood could be a greater constraint than availability of food grains. 73 million tones of animal dung is burnt every year for energy purpose which can be used as fertilizer for food production in agriculture.

1,12,400 villages haven't seen what electricity is.(mostly in Assam, Orissa, UP, MP,and Rajasthan). Generation of power requires resources. So we go for harnessing of renewable resources to generate power which results in high capital investment compared to normally available resources. By promoting and advertising about innovative measures and ideas which are allied to green power, we can build a 'Green India' in 2020. By proper usage of green resources, let us make our contaminated ambience to 'Green Beauty'!!!

POTRAIT OF MEMORIES

LAVANYA .A, 11nd Year

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When memories strikes....

Smiling face of a father

Still in dreams

Haunting everywhere....everytime....

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Spreading rays of love

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And for him, she was his dream....

Destiny in a harsh play

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Turning oneself a solitary traveller

Remembering the past....

Countering the present....life flows

But memories still roll

Silently....unseen....wetting those cheeks.

Living without Limits

YUVANESH .S, IInd year

The starting point of great success and achievement has always been the same. It is for you to dream big dreams. There is nothing more important, and nothing that works faster than for you to cast off your own limitations than for you to begin dreaming and fantasizing about the wonderful things that you can become, have, and do.

As a wise man once said, "You must dream big dreams, for only big dreams have the power to move the minds of men." When you begin to dream big dreams, your levels of self-esteem and self-confidence will go up immediately. You will feel more powerful about yourself and your ability to deal with what happens to you. The reason so many people accomplish so little is because they never allow themselves to lean back and imagine the kind of life that is possible for them.

So what is holding you back? Is it your level of education or skill? Is it your current occupation or job? Is it your current environment or level of health? Is it the situations that you are in today? What is setting the speed for you achieving your goal?

Remember, whatever you have learned, you can unlearn. Whatever situation you have gotten yourself into, you can probably get yourself out of. If your real goal is to dream big dreams and to live without limits, you can set this as your standard and compare everything that you do against it.

The three keys to living without limits have always been the same. They are clarity, competence, and concentration.

Clarity means that you are absolutely clear about who you are, what you want, and where you're going. You write down your goals and you make plans to accomplish them. You set very careful priorities and you do something every day to move you toward your goals. And the more progress you make toward accomplishing things that are important to you, the greater self-confidence and self-belief you have, and the more convinced you become that there are no limits on what you can achieve.

Competence means that you begin to become very, very good in the key result areas of your chosen field. results. You dedicate yourself to continuous learning. You never stop growing. You realize that excellence is a moving target. And you commit yourself to doing something every day that enables you to become better and better at doing the most important things in your field. Concentration is having the self-discipline to force yourself to concentrate single-mindedly on one thing, the most important thing, and stay with it until it's complete.

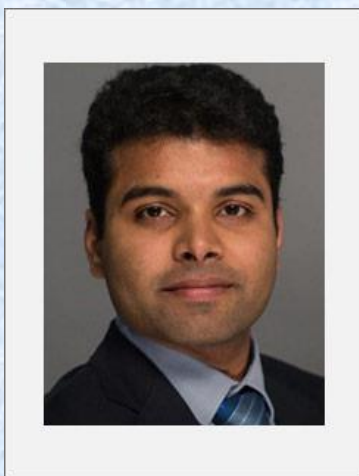
The two key words for success have always been focus and concentration. Focus is knowing exactly what you want to be, have, and do. Concentration is persevering, without diversion or distraction, in a straight line toward accomplishing the things that can make a real difference in your life.

When you allow yourself to begin to dream big dreams, creatively abandon the activities that are taking up too much of your time, and focus your inward energies on alleviating your main constraints, you start to feel an incredible sense of power and confidence. As you focus on doing what you love to do and becoming excellent in those few areas that can make a real difference in your life, you begin to think in terms of possibilities rather than impossibilities, and you move ever closer toward the realization of your full potential.

**FOURTH INTERNATIONAL E-
CONFERENCE ON POWER CONTROL,
SIGNAL AND INSTRUMENTATION
ENGINEERING (ICPCSI'20)**

Our department conducted, Fourth International e-conference on power, control, Signal and Instrumentation Engineering (ICPCSI'20) was conducted by our department on 28th August, 2020, with Dr Ram Bala scientist, innovator , entrepreneur principal data scientist @ equinix, from USA as our chief guest and Dr.Pierluigi Siano, Scientific Director of Smart Grid and Smart Cities Laboratory, Department of Management & Innovation Systems, University of Salerno was the Keynote speaker.

Dr Ram Bala



Dr.Pierluigi Siano

