

# RG CET TIMES



(a LitWit CLUB Publication)

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[www.rgcetpdy.ac.in/newsletter.html](http://www.rgcetpdy.ac.in/newsletter.html)

[newsletter@rgcetpdy.ac.in](mailto:newsletter@rgcetpdy.ac.in)

## Three Wise Men from NAAC visited RG CET in connection with college assessment and accreditation

Two thousand years ago, the Holy book of Bible says that three Wise-men from far away came to visit Baby Jesus at Bethlehem. There was a similar scenario here when Our College expected the arrival of NAAC after applying for it last academic year. The National Assessment and Accreditation Council (abbreviated as 'NAAC') is an organization that assesses and accredits Higher Educational Institutions in Our country. Established way back in 1994, NAAC is an autonomous body funded by University Grants Commission of Government of India headquartered in Bangalore. Institutions applied for accreditation will be graded based on criteria such as Curricular Aspect, Teaching-Learning & Evaluation, Research, Consultancy & Extension, Infrastructure & Learning Resources, Governance, Leadership & Management, Innovation & Best Practices, and Student Support & Progression. There will be a formal Peer Committee meeting by the NAAC Peer Team at the Institution to access these criteria.

As expected, three distinguished members from the NAAC Peer Team assessed and accredited the college for three working days (from 26<sup>th</sup> to 28<sup>th</sup> October 2017). The team thoroughly inspected the college premises, reviewed the entire academic and audit records. There was a meeting at the end of Day 1, when the NAAC Peer Team expressed some of the fewest shortcomings with staff members of RG CET and the ways to improve them. Our College management offered a fine degree of



hospitality to the NAAC Team Members. There were number of student exhibition boards that showcased the various forms of artwork (such as Traditional Pencil art, Painting canvas, Pencil Carving, shell-art), photography and Robo-Race that impressed the NAAC Peer Team. On Day 2, the NAAC Peer Team inspected the Training & Placement and Accounts department of RG CET.

Day 3 started with the exit meeting, the team recorded their assessment, praising about the college Infrastructure and appreciated the fact that the college is running successfully for its 19<sup>th</sup> year with 6 diverse Engineering disciplines and 3 Post Graduate courses. They also stood awe to successful IIT collaborations like NPTEL, Spoken Tutorial and the number of outreach programs offered by NSS and Red-Ribbon Club.

With assessment made at all the NAAC Criteria, on 27<sup>th</sup> of November, NAAC declared RG CET accredited with CGPA of 3.05 at A Grade. Our college now joins the prestigious league to few Engineering colleges accredited by NAAC with an A Grade.



प्र. धीरू पाल सिंह  
निदेशक  
Prof. D. P. Singh  
Director



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद  
विश्वविद्यालय अनुदान आयोग का मातृ संस्थान  
NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL  
An Autonomous Institution of the University Grants Commission

F:19.26/BC(SC-29)/00/2017/11.1

27<sup>th</sup> November 2017

The Principal  
Rajiv Gandhi College of Engineering and Technology,  
Pondy Cuddalore Main Road  
Kiramampakkam - 607403  
Puducherry

Dear Principal,

Greetings from NAAC.

I am glad to inform you that the outcome of the Assessment and Accreditation (A&A) exercise of your institution has been processed and approved by the Standing Committee constituted by the Executive Committee to examine the peer team reports and declare the accreditation results. Your institution has been Accredited with a CGPA of 3.05 on a seven point scale at A Grade valid for a period of five years from 27/11/2017. The result is already uploaded on NAAC website. The original certificate of accreditation with the quality profile will be dispatched to the institution in due course. I am sure that the detailed peer team report handed over to you during the exit meeting along with the quality profile will enable the institution to initiate further quality enhancement measures.

As per the new guidelines of NAAC, it is mandatory for institutions to retain the Self-Study Report (SSR) uploaded on the institutional website for A&A by NAAC until the completion of validity period of A&A. The SSR should not be password protected and accessible to all the stakeholders. Institutions are also requested to take note of the mandatory requirement of submitting Annual Quality Assurance Report (AQAR) and uploading them on the institutional website on regular basis. Failing to submit the AQARs annually, institutions will not be eligible for the next cycle of accreditation. For details on the revised guidelines, please visit our website: [www.naac.gov.in](http://www.naac.gov.in) from time to time.

With best wishes,

Yours sincerely,

  
(D. P. Singh)

# MEGA SKILL IN MICRO ART

Give her a chalk piece or a pencil; I'm sure she will come up with a miniature artwork 'on' them. Yup readers, you read it right. She is a micro-artist who doesn't draw with a pencil or a chalk but sculpture a pencil or a chalk. For this, she doesn't use any microscope, instead looks at the pencil or a chalk with her own eyes. When I mean 'her', I refer my bosom pal Rofina Begum from 3<sup>rd</sup> Year IT department. She discovered this inborn skill for sculpturing during her initial college days. There was a time, when we used to chat during evenings; she will be busy scratching her pencil lead against the needle, which reveals her dedication towards her work. Micro-art can be done only by people who have utmost

patience and by God, she is one among them. Further she crafted Flower vases and jewel boxes. The raw material of her artwork is from pencil leads and chalk pieces. At the beginning, it was a big mess dealing with her dust but then I got used to it. These days, with utmost pride, I reveal the fact that she is getting orders and selling it with low price. On seeing that I grew anxious and so asked her "Why do you sell such a magnificent piece of art for such a lower price?". She replied "Money can't satisfy passion, Ain't interested to earn money. It's the happiness, I'm interested when a buyer appreciate my work" As a friend I know the problems she'd undergone. In the beginning, many made fun

of her, jerked around her. But she proved them wrong by showcasing her works in front of NAAC Peer Team at our department corridor during NAAC visit. She was extremely thankful to the Principal, the management and all the department staff for it and believes that it was her first stepping stone to success. The road of success is under construction for you girl and your destination is not far away, so work with the same spirit and dedication.

-RAPHAELA JOSEPHINE  
III / IT



## WE ARE IN LOVE

THE WAY YOU LOOK AT ME  
THE WAY YOU CARE FOR ME  
OH! MY GOD  
I THINK YOU ARE IN LOVE

THE WAY YOU BRAG ABOUT ME  
THE WAY YOU CRY FOR ME  
OH! MY GOD  
I THINK I'M IN LOVE

THE WAY I FEEL ABOUT YOU  
THE WAY YOU FEEL ABOUT ME  
OH! MY GOD  
WE ARE IN LOVE

YOU LOVE ME AND  
I LOVE YOU  
I'LL BE THEIR BESIDE YOU  
FOREVER AND EVER.....

JIBIN JOY - II / MCA



R.RAKSHANA  
IV / IT



S.PUNITAVATHI  
IT

## Young Yodeler from Kanpur is proud to be an RG CETian

Months before, when I joined MCA department at RG CET, I got acquainted to a twiggy-skinny guy in my classroom. He later introduced himself as Rovindro Paul from Kanpur, UP. As days passed by, he casually sang a song during break hours with pristine "yodeling" that showed sheer skill just like the yesteryear's Bollywood legend Kishore Kumar. Later I learnt that he has roots with firm music background. With all the blessings and coaching from his father, Rajesh Kumar Paul, his musical guru, he achieved 2<sup>nd</sup> position in at an intercollegiate. Finally, he displayed his talent in "yodeling" and singing without any musical accompaniment before the NAAC Peer Team members during accreditation. At that occasion Paul said "Am

extremely obliged to the Principal Sir and the management who allowed me to participate in cultural programs and to my friends, cuz' they always appreciated my talent. With pride, I can say that I'm an RG CETian"

-Md. ITHREES AHMAD (II MCA)



# NATIONAL EDUCATION DAY 2017 AT RGCET



The First Year students of Engineering and NSS Wing celebrated National Education Day on 11<sup>th</sup> November in commemoration of the First Education Minister of Independent India, Maulana Kalam Azad. The Principal of Pondicherry Cooperative College, Dr.S.Desinguwas the Chief Guest and Mr. Anoop Francis, the Centre director of TIME was the special guest. This function was headed by our beloved Principal Prof. Dr. E. Vijayakrishna Rapaka. The Vice Principal Prof. Dr. A. Ayyappan, the NSS Coordinator Dr. A. Jayaprakash, the HOD of first year Dr. B. Rameshe and Mr. B.Sambathkumar were the other dignitaries who organized the function. The NSS Coordinator welcomed the gathering and the special guest rendered useful tips on qualifying CAT exams and awaited opportunities for the 200 student participants of the function.

The center theme of the function is "Role of Education in strengthening the Nation" and under that theme the students were awarded with prizes for various intramural skills such as Essay writing, elocution, drawing and debates.

## National Integration Pledge at RGCET



The Principal, NSS Officer administered National Integration pledge on 18<sup>th</sup> November to the B. Tech First year students in view of National Integration Day celebrated, which falls on the birth anniversary of Former Prime Minister Indira Gandhi. First year coordinators are also joined the pledge along with their Students.

## LAST SUMMER'S MGMCRI INTERNSHIP UPON THE EYES OF RGCET EEE STUDENTS

In the months of July and August, our college had organized a 28-day-Internship Programme at Mahatma Gandhi College & Research Institute (MGMCRI), Puducherry for the final-year students. The internship mainly emphasized on giving the students a very brief exposure to the technical aspects of how it would be like to work in a corporate environment. Students from various departments like BME, IT and EEE had signed up for the program. It turned to be quite useful as the students from each department were assigned on projects related to what they had learned in their course so far.

For us, that is, the students belonging to the Department of Electrical and Electronics, it was a good experience as well. We were placed in the main substation of the campus in which maintenance and troubleshooting were the tasks assigned to us. It was really a great educational experience as we came across a lot of things we had studied in the past but never really experienced visually. We got a better understanding about the subjects we had learned previously like the working of various electrical equipment such as transformers, generators, switchboards, feeders etc. and how the electrical supply is provided to different blocks around the entire campus. We also worked on troubleshooting some of the faulty equipment under the supervision of the technical team.

In the end, we would like to appreciate the college's authorities for taking this initiative and providing us with this wonderful opportunity of enhancing our knowledge and gaining a significant amount of experience.



## Power Factor correction using Arduino: An original work

The thirst for new sources of energy is unquenchable, but we seldom realize that we are wasting a part of the electrical energy everyday due to the lagging power factor in the inductive loads we use. Hence, there is an urgent need to avoid this wastage of energy. Before getting into the details of Power Factor Correction, let us just brush our knowledge about the term — power factor. In simple words, power factor basically states how far the energy provided has been utilized. The maximum value of power factor is unity. So the closer the value of power factor to unity, better is the utility of energy or lesser is the wastage. In electrical terms, power factor is basically defined as the ratio of active power to reactive power or it is the phase difference between voltage and current. Active power performs useful work while reactive power does no useful work but is used for developing the magnetic field required by the device. Most of the devices we use have power factor less than unity. Hence, there is a requirement to bring this power factor close to unity. Here we are presenting a prototype for automatic power factor correction using the 8-bit AVR Micro-controller Atmega328 as Arduino Uno.

Power factor correction using capacitor banks reduces reactive power consumption which will lead to minimization of losses and at the same time increases the electrical system's efficiency. Power saving issues and reactive power management has brought about the development of single phase capacitor banks for domestic applications. The objective is to enhance and upgrade the operation of single phase capacitor banks by developing a micro-processor based control system. The control unit will be able to control the individual capacitors in the capacitor bank and will operate in steps based on the variation in power factor. Current transformer and a Voltage transformer are used for sampling of the circuit current and voltage, so as to determine the power factor. The intelligent control using this micro-processor control system ensures even utilization of capacitor steps, minimizes number of switching operations and optimizes power factor correction.

-(FINAL EEE)

## Nanotechnology for energy and agriculture sector Two weeks FDP



# Academic Calendar 2017-2018

(Even Semester)

Day and Date	Schedule	Day and Date	Schedule
Wednesday, December 20, 2017	Placement Training - Phase I	Saturday, March 17, 2018	
Thursday, December 21, 2017	Placement Training - Phase I	Sunday, March 18, 2018	Holiday
Friday, December 22, 2017	Placement Training - Phase I	Monday, March 19, 2018	
Saturday, December 23, 2017	Placement Training - Phase I	Tuesday, March 20, 2018	
Sunday, December 24, 2017	Placement Training - Phase I	Wednesday, March 21, 2018	
Monday, December 25, 2017	Holiday - Christmas	Thursday, March 22, 2018	
Tuesday, December 26, 2017	Placement Training - Phase I	Friday, March 23, 2018	
Wednesday, December 27, 2017	Placement Training - Phase I	Saturday, March 24, 2018	
Thursday, December 28, 2017	Placement Training - Phase I	Sunday, March 25, 2018	Holiday
Friday, December 29, 2017	Placement Training - Phase I	Monday, March 26, 2018	
Saturday, December 30, 2017	Placement Training - Phase I	Tuesday, March 27, 2018	
Sunday, December 31, 2017	Holiday	Wednesday, March 28, 2018	
Monday, January 1, 2018	New Year - Holiday	Thursday, March 29, 2018	
Tuesday, January 2, 2018		Friday, March 30, 2018	
Wednesday, January 3, 2018		Saturday, March 31, 2018	
Thursday, January 4, 2018		Sunday, April 1, 2018	Holiday
Friday, January 5, 2018		Monday, April 2, 2018	Model Exam - Subject 1
Saturday, January 6, 2018		Tuesday, April 3, 2018	Model Exam - Subject 2
Sunday, January 7, 2018	Holiday	Wednesday, April 4, 2018	Model Exam - Subject 3
Monday, January 8, 2018		Thursday, April 5, 2018	Model Exam - Subject 4
Tuesday, January 9, 2018		Friday, April 6, 2018	Model Exam - Subject 5
Wednesday, January 10, 2018		Saturday, April 7, 2018	Model Exam - Subject 6
Thursday, January 11, 2018		Sunday, April 8, 2018	Holiday
Friday, January 12, 2018		Monday, April 9, 2018	Display of Attendance - Jan - Mar 2018
Saturday, January 13, 2018		Tuesday, April 10, 2018	
Sunday, January 14, 2018	Pongal - Holiday	Wednesday, April 11, 2018	Display of Best Two Internal
Monday, January 15, 2018	Thiruvallur Day - Holiday	Thursday, April 12, 2018	
Tuesday, January 16, 2018	Uzhavavar Thirumal - Holiday	Friday, April 13, 2018	
Wednesday, January 17, 2018		Saturday, April 14, 2018	Tamil New Year Day - Holiday
Thursday, January 18, 2018		Sunday, April 15, 2018	Holiday
Friday, January 19, 2018		Monday, April 16, 2018	
Saturday, January 20, 2018		Tuesday, April 17, 2018	
Sunday, January 21, 2018	Holiday	Wednesday, April 18, 2018	Last Working Day for II, III and Final Year
Monday, January 22, 2018		Thursday, April 19, 2018	
Tuesday, January 23, 2018		Friday, April 20, 2018	
Wednesday, January 24, 2018		Saturday, April 21, 2018	
Thursday, January 25, 2018		Sunday, April 22, 2018	Holiday
Friday, January 26, 2018	Republic Day - Holiday	Monday, April 23, 2018	
Saturday, January 27, 2018		Tuesday, April 24, 2018	
Sunday, January 28, 2018	Holiday	Wednesday, April 25, 2018	
Monday, January 29, 2018		Thursday, April 26, 2018	
Tuesday, January 30, 2018		Friday, April 27, 2018	
Wednesday, January 31, 2018		Saturday, April 28, 2018	
Thursday, February 1, 2018		Sunday, April 29, 2018	Holiday
Friday, February 2, 2018		Monday, April 30, 2018	
Saturday, February 3, 2018	Display of Attendance - Jan 2018	Tuesday, May 1, 2018	May Day - Holiday
Sunday, February 4, 2018	Holiday	Wednesday, May 2, 2018	
Monday, February 5, 2018	Internal I - Subject 1	Thursday, May 3, 2018	
Tuesday, February 6, 2018	Internal I - Subject 2	Friday, May 4, 2018	
Wednesday, February 7, 2018	Internal I - Subject 3	Saturday, May 5, 2018	
Thursday, February 8, 2018	Internal I - Subject 4	Sunday, May 6, 2018	Holiday
Friday, February 9, 2018	Internal I - Subject 5	Monday, May 7, 2018	
Saturday, February 10, 2018	Internal I - Subject 6	Tuesday, May 8, 2018	
Sunday, February 11, 2018	Holiday	Wednesday, May 9, 2018	
Monday, February 12, 2018		Thursday, May 10, 2018	
Tuesday, February 13, 2018		Friday, May 11, 2018	
Wednesday, February 14, 2018	Display of Internal I	Saturday, May 12, 2018	
Thursday, February 15, 2018		Sunday, May 13, 2018	Holiday
Friday, February 16, 2018		Monday, May 14, 2018	
Saturday, February 17, 2018		Tuesday, May 15, 2018	
Sunday, February 18, 2018	Holiday	Wednesday, May 16, 2018	
Monday, February 19, 2018	Parents Teachers Meeting	Thursday, May 17, 2018	
Tuesday, February 20, 2018	Parents Teachers Meeting	Friday, May 18, 2018	
Wednesday, February 21, 2018	Parents Teachers Meeting	Saturday, May 19, 2018	
Thursday, February 22, 2018	Parents Teachers Meeting	Sunday, May 20, 2018	Holiday
Friday, February 23, 2018	Parents Teachers Meeting	Monday, May 21, 2018	
Saturday, February 24, 2018	Parents Teachers Meeting	Tuesday, May 22, 2018	
Sunday, February 25, 2018	Holiday	Wednesday, May 23, 2018	
Monday, February 26, 2018	Mid Term Exam - Subject 1	Thursday, May 24, 2018	
Tuesday, February 27, 2018	Mid Term Exam - Subject 2	Friday, May 25, 2018	
Wednesday, February 28, 2018	Mid Term Exam - Subject 3	Saturday, May 26, 2018	
Thursday, March 1, 2018	Mid Term Exam - Subject 4	Sunday, May 27, 2018	Holiday
Friday, March 2, 2018	Mid Term Exam - Subject 5	Monday, May 28, 2018	
Saturday, March 3, 2018	Mid Term Exam - Subject 6	Tuesday, May 29, 2018	
Sunday, March 4, 2018	Holiday	Wednesday, May 30, 2018	
Monday, March 5, 2018	Display of Attendance - Jan - Feb 2018	Thursday, May 31, 2018	
Tuesday, March 6, 2018		Friday, June 1, 2018	
Wednesday, March 7, 2018	Display of Internal I + Mid Term Exam	Saturday, June 2, 2018	
Thursday, March 8, 2018		Sunday, June 3, 2018	Holiday
Friday, March 9, 2018		Monday, June 4, 2018	
Saturday, March 10, 2018		Tuesday, June 5, 2018	
Sunday, March 11, 2018	Holiday	Wednesday, June 6, 2018	
Monday, March 12, 2018		Thursday, June 7, 2018	
Tuesday, March 13, 2018		Friday, June 8, 2018	
Wednesday, March 14, 2018		Saturday, June 9, 2018	
Thursday, March 15, 2018		Sunday, June 10, 2018	Holiday
Friday, March 16, 2018		Monday, June 11, 2018	
		Tuesday, June 12, 2018	
		Wednesday, June 13, 2018	
		Thursday, June 14, 2018	
		Friday, June 15, 2018	Ramzan* - Holiday
		Saturday, June 16, 2018	
		Sunday, June 17, 2018	Holiday
		Monday, June 18, 2018	College Re-open 2018-19 Academic Session
		Tuesday, June 19, 2018	
		Wednesday, June 20, 2018	
		Thursday, June 21, 2018	
		Friday, June 22, 2018	
		Saturday, June 23, 2018	
		Sunday, June 24, 2018	Holiday
		Monday, June 25, 2018	
		Tuesday, June 26, 2018	
		Wednesday, June 27, 2018	
		Thursday, June 28, 2018	
		Friday, June 29, 2018	
		Saturday, June 30, 2018	

## Brainteasers

- The probability of finding the parking slot occupied is  $1/3$ . You find it empty for 9 consecutive days. Find the probability that it will be empty on the 10th day.
- You toss two coins. If you get heads with the first coin, you stop. If you get tails, you toss it again. The second coin is tossed regardless. What is the ratio of heads to tails?
- Given 9 balls all of which weigh the same except for one, what is the minimum of weighing necessary to find the ball that weighs more (or less)?
- You have 1,000 bottles of juice. One contains poison and tastes bitter. How do you find it in the smallest number of sips?
- This object has holes in its top and bottom. It

also has holes on its sides and bottom, not only that it is riddled with holes in the middle. Despite this, it can still hold water. What is it?  
6. If you have a square room with no roof, and you had four flagpoles you had to plant on the walls so that each flagpole touched two walls, how would you do it?

**Our college badminton team won silver medal in**

**Inter collegiate badminton tournament held at Arigner Anna Government Arts College, Karaikal.**



**Gurus-meet-Singh, The crowned King of Pondicherry University**



On November 29<sup>th</sup> 2017, Prof. Gurmeet Singh assumed charge as 7<sup>th</sup> Vice-Chancellor of the Central University, Puducherry, in response to Union HRD Ministry issuing a notification for appointment of a permanent VC since 2015. Prof. Singh took over this official administrative position from Anisa Basheer Khan, who was officiating as in-charge for the past two years. Way back in 1970s, Prof. Singh did his PG and PhD in Delhi University and then began his academic career as Lecturer at the Department of Chemistry. He made a successful career from there on rising to become a professor in a couple of decades. With a experience of 33 years in academics, he held the positions of Proctor (2005-2010), Head of the Department (2014-2017), Member of the Executive Council (2005-2010), and numerous other administrative positions in Delhi University besides serving as OSD (Principal), Deshbandhu College (1997-1999). Being an exponent in the fields of corrosion chemistry and Nano film deposition, he published 150 research papers and has officially supervised 14 M. Phil and 48 PhD students. Prof. Singh has reached the high pinnacles of his career as he served on high-level committees of the UGC, the CSIR, and was appointed Special Observer for the West Bengal Assembly Elections by the Election Commission of India. Apart from academic assignments in Germany, Italy, Australia, Singapore, Korea, Thailand and Kenya, Prof. Singh has served as a Chair Professor at Lunghwa University, Taipei and been a visiting scientist at Hungary and Japan.

**Literary column - Answers for the last edition of Riddles**

- Coffin
  - Ur name
  - 6
  - Post box
  - Riddle
  - Brain
  - The letter "C"
  - The word "and"
  - N + ice + Purse on "ality" => Nice Personality
  - South (Turn around and see)
  - C
  - Owl
- Antony Tristan (FINAL BME)