



# The Communique

Monthly E-Newsletter



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### Salute to Nation INDEPENDENCE DAY CELEBRATION (15<sup>th</sup> August, 2016)



Chairman Sri Dev Murti addressing SRMS fraternity

*Freedom in Mind,  
Faith in Words,  
Pride in our Heart,  
Memories in our Souls.*

*Let's Salute the Nation on this auspicious day.*

68 Year have passed, still Independence Day instills in all the Indians enthusiasm, zeal and patriotism. The same ecstasy and elation was surging when Sri Dev Murti, Chairman SRMS Trust hoisted the flag on the occasion of Independence day on 15th August, 2016 in college of Engineering and Technology. The program commenced at 8 AM in open ground with large gathering of staff and students. The program was suffused with splendor with the presence of Trust Administrator, Er. Subhash Mehra, Trust Secretary, Shri Aditya Murti, Mrs. Richa Murti Ma'am, Principal, Dr. Anant Kumar Srivastava, Dean Academics, Prof.(Dr.) Prabhakar Gupta, HODs of respective departments and faculty members. On the occasion Students of choir presented a group song that awakened everyone's feelings towards our Mother Land. The program became vibrant with the inspirational words of Principal Sri Prabhakar Gupta who motivated the students towards service of nation. The program culminated in the address of Chairman Sri Dev Murti who expressed his delight to see the strong foundations of SRMS Institutions in academics as that is the need of nation. At the end sweets were distributed to the students.

### Welcome Saga ORIENTATION PROGRAM (17<sup>th</sup> August, 2016)

The 21st Orientation program of SRMS Engineering institutions was organized on August 17, 2016 for the 9th Batch of newly admitted students of SRMS Engineering Institutions at Shri Ram

Murti Smarak Centennial Auditorium SRMS Bareilly. The program was organized to gel well the students to the atmosphere of the institution. After introduction of the institution by Prof. (Dr.) Prabhakar Gupta Dean Academics, SRMS CET, Bareilly, Shri Dev Murti, Chairman, SRMS Trust welcomed the students in SRMS Trust family and guided them. He also apprised them of the vision and values of the institute. Trust Secretary, Shri Aditya Murti motivated the students to contribute their best in every field of engineering. Member of BOD Shri D. P. Agarwal also guided the students for success. The program ended with the valuable words by Trust Administrator, Er. Subhash Mehra and Vote of Thanks by Dr. Anant Kumar Srivastava, Principal, SRMS CET&R, Bareilly.



21<sup>st</sup> Orientation Programme

### Inculcating Culture JANMASHTAMI CELEBRATION (25<sup>th</sup> August, 2016)



Chairman Sri Dev Murti suffusing the Supreme Lord in milk and decorating the idol of deity Krishna

SRMS family became the bystander of a unique blend of culture and education on the occasion of Janamashtami poojan. Days of preparation finally culminated into the grand ceremonial bathing of the Lord in Panchamrit at the stroke of midnight on 25 August 2016 at the College Mandir, SRMS. Hundreds of devotees (including Faculty members, Staff, students, and people from the nearby villages etc.) visited the temple on the day of Janmashtami to be a part of the festivities. Various arrangements were made to take care of the necessities of the devotees who visited the temple on this day. Fun and frolic of the celebration enticed all and the program presented the testimony of the commitment of the SRMS Trust to inculcate culture in students besides imparting education.



## Recharging Intellect

### FACULTY DEVELOPMENT PROGRAM (12<sup>th</sup>-17<sup>th</sup> July, 2016)

A five day faculty development program on Network Simulator 2 was held at the department of Computer Science & Engineering and Information Technology Department of SRMS CET, Bareilly under the sponsorship of APJ University Lucknow from 12<sup>th</sup> July to 16<sup>th</sup> July, 2016.

The sessions were enriched by Professor D.K Lobiyal from JNU New Delhi who delivered his lecture on Simulation of computer Network. The FDP witnessed various experts from IIT BHU, Varanasi and JNU delivering lecture and enhancing the knowledge sphere of the faculty members present in the FDP.



### FACULTY DEVELOPMENT PROGRAM (1<sup>st</sup>-5<sup>th</sup> August, 2016)

A five day Faculty Development Program was organized by Mechanical Engineering Department from August 1 to August 5 2016. The topic of the program was Applied Thermodynamics. The chief guests in the program were Dr. Ravi Kumar Professor at IIT Roorkee and Dr. LokeshVarshney Professor at G.B. Pant University of Agriculture & Technology Pantnagar. The Session became vibrant by the lecturer of Professor Ravi on human physiology and thermal comfort. Other topics that were discussed in a session were combustion Thermodynamics, computational fluid dynamics in engineering etc.



## Glimpses Academics Engipharma



- ✓ To recharge faculty members, an FDP was organized from 5<sup>th</sup> to 8<sup>th</sup> July, 2016 by MBA Department. The faculty members of MBA departments were the resource persons.
- ✓ EC Department organized event *Electromania* on 4<sup>th</sup> August, 2016. On the given electronic circuits of Rain Alarm & Toy Piano, the students fabricated the components of bread board & showcased their technical skills.

- ✓ A tribute was given to late Indian President Dr. A P J Abdul Kalam in SRMS CET, Unnao on 27<sup>th</sup> July, 2016. On this occasion an extempore activity was organized at Auditorium. Various dignitaries including Chairman SRMS Trust Shri Dev Murti graced the occasion.
- ✓ A mock drill for MBA Final Year Students was organized on 17<sup>th</sup> August, 2016 by MBA Department. In this three phases drill the students were tested for Aptitude, GD & Personal Interview.

### Gesture Controlled Wireless Wheelchair

The solar based Gesture Controlled Wireless Wheelchair Project by the students of SRMS CET, Unnao won laurels for its utility and novelty.

The project presents a wide new way of handling a wheelchair. The wheelchairs which are being used in the present time are controlled by the persons sitting on them. The person sitting on the chair has to exert a force by his hands in order to move the chair and get to the desired location. So for the sake of the handicapped persons, a new implementation is made in the wheelchair which enables the person to move the chair without applying any kind of force. The person just have to make a simple gesture using his body part (example: hand) to move the chair. This application is done using the microcontroller and the accelerometer sensor. The physically handicapped people will have the option of controlling the system through hand gesture wirelessly from ranges up to several meters and will have the independence of using the wheelchair without the help of any third person. The project includes the locomotion of the wheelchair without the application of any external force. This application is done using triple axis accelerometer sensor and the complete phenomenon is made wireless by using RF modules. The person sitting on the chair just has to make a gesture using his hand and according to the process the chair will move in forward, reverse, right, left and stop. Also the chair stops moving when there is any obstacle in front of the chair. All this implementation will add just a little cost in the wheelchair. Other advantage of this chair is that it operates on the solar energy. So there is no problem of cost of the electricity consumption. On the successful implementation of the prototype of proposed model, we found that the chair is moving perfectly as per the command through the gesture made by hands. In further advanced technology, the plan is to interface this chair with the GPS modules and Bluetooth modules, so the handicapped person can be traced so that the wheelchair may have the calling facility on itself. So it is a complete package for sake of handicapped persons at an affordable price.

The unique idea of the chair attracted attention in major institutes and was awarded as-

- 4th position in TECHKRITI-2k16 (Annual technical fest of Indian Institute of Technology, Kanpur)
- 1st position in DREAM PROJECT at Shri Ramswaroop Memorial University, Lucknow
- 1st position in MODEL PRESENTATION in Kanpur Institute of Technology, Kanpur

Apart from this, a research paper regarding the same subject has been presented in Indian Institute of Technology (BHU), Varanasi which has been awarded 1st prize for PAPER PRESENTATION (part of PRASTUTI'16, Annual Research Fest of IIT (BHU), Varanasi.

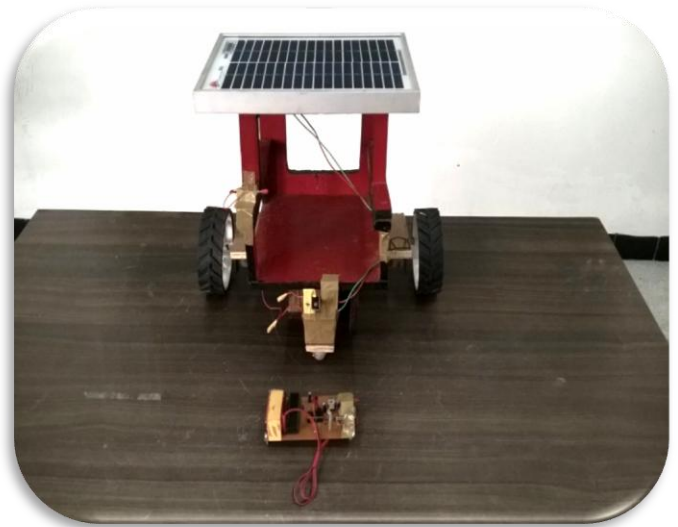


Image for Gesture Controlled Wireless Wheelchair

### Fabrication of Student Formula One Car

A demonstration of project made by mechanical engineering students on design and fabrication of automobile was conducted on 14th April, 2016 in SRMS CET, Unnao. The students as well as faculty of mechanical department participated in the various activities during the demonstration. The Project on "Design And Fabrication of Formula One Car" was highly appreciated by the Chairman Shri Dev Murti and Director. The Formula one is the highest class of single seat auto racing car. Hard work and enthusiasm of the students paid off in the form of formula car which is able to touch maximum speed of 100 Km/hr. They went to various IITs and automobile workshop to gather information regarding the project. All sorts of financial help was provided to them by the college.



Image for Student Fabricated Car

## *Student's Corner*

### *Education with Values*



*Simran Chhabra(IT-14)  
SRMS CET, Bareilly*

“Education is the most powerful weapon which you can use to change the world.”

The above quote sums up the cardinal importance of the education in a person's life. And when the word value adds with education, it becomes more vital. Education without values is a complete waste. Values are more vital, value makes the reputation of a person in a society. Education alone cannot create great personalities but when it is accompanied by values the results could be miraculous.

“Education without vision is waste, education without value is crime, and education without mission is burden.” But so far as the social progress is concerned, and value-based education is an unavoidable necessity. A nation with atomic power is not a strong nation: but a nation with people with strong character is indeed a strong nation. If a nation is to be strong, then the character of people of that nation needs to be elevated. For this purpose, value-based education is an indispensable device.

But in today's mundane world, are we attaining the education which has some values? For me its answer is “no”. Today education has just become a tool of earning money as much as possible. Coaching institutions just charge high fees from the students and students pay it for just getting some kind employment in future. Imparting such education for the lure of money is perilous to our society and by attaining such education only the literacy rate is increasing but human values are on decline. The incident which we face in our daily life like younger generation is not giving time to their parents or grandparents is the result of lack of values in education. This kind of education promises us to get jobs but denies us to spend times with some of ours.

Education with values can only dispel the ignorance and work for the sake of humanity and this type of education can only be attained in a society “Where the mind is without fear and the head is held high, where the knowledge is free.”

### *Life Lessons*



*Ranpreet Kaur(IT-13)  
SRMS CET, Bareilly*

#### 1. Do the work:

If you want something in life, you must do the work to get it. There are rarely shortcuts. But truthfully the work is what affords the most sense of accomplishment.

#### 2. Simple is better:

A life full of complications, obligations, and an overwhelming schedule make life more difficult and stressful. A simpler life in all regards gives you more space for joy and engagement.

#### 2. Perfection is boring:

Perfection is unattainable, and the pursuit of it makes us boring. It is our differences, our foibles, and our imperfections that connect us to humanity and make us real.

#### 3. Debt isn't worth it:

Nothing is more draining and humiliating than being in debt. Spend below your means. Save money. Live free.

#### 4. Failure is good:

We try hard to avoid failure, but failure is the real evidence that we've tried. If you avoid failure, you avoid taking action. Expect and accept that failure is part of the experience. Learn from it and move on.

#### 5. Kindness matters:

Small expressions of kindness have an enormous positive impact on other people. It doesn't take much to be kind. Practice it every day, in every situation, until it's your natural way of being.

#### 6. It's never too late:

This is an excuse for not trying. Great things can be accomplished at any age.

#### 7. Risk expands you:

To make positive change in your life, you often must take risk.

#### 8. Fear is an illusion (mostly):

Most of the things we fear never happen. Or if they do happen, they are rarely as bad as we fear they will be. For most of us, fear is the worst thing that will happen to us.



## *Should juveniles be tried and treated as adults?*



***Arth Pundir(CS-13)***  
***SRMS CET, Bareilly***

"No one is born a good citizen; no nation is born a democracy. Rather, both are processes that continue to evolve over a lifetime. Children must be included from birth in society, a society that cuts off from its juveniles severs its lifeline"

What does justice seek to achieve?

Do we want the State to exercise its punitive powers to punish in order to be vengeful and to extract an eye for an eye or do we hope to use the justice mechanism as a corrective method and to rehabilitate the young? Do we, as a society, now want to take revenge from children?

To treat juveniles as adults, is simply wrong morally, legally, ethically, emotionally, and constitutionally.

Socio-cultural environment, both inside and outside of home, plays significant role in shaping one's life and overall personality. However, as far as India is concerned, poverty and illiteracy are one of the biggest causes which force a child to get involved in criminal acts. The children who commit crimes don't have the intellectual or moral capacity to understand the gravity of their wrongdoing.

Let us look at some facts.

- Statistically, in 2014, 77.55% of the apprehended juveniles came from families with a monthly household income less than 4200 rupees, about 87% of them did not even receive the basic education. One out of every 8 them is an orphan.
- In 2015, of all crimes which were committed in India only 1.2% of them were committed by juveniles and 5% of this 1.2% were accused of committing serious and heinous crimes, which was miniscule.
- A US study has established that 80% of the juveniles who were released from adult prisons go on to commit more serious offences.

I would like to question those who favor the topic – "Do all the above figures which I mentioned in any way justify that "juveniles should be tried and treated as adults?". No they do not.

Jailing more children will be neither in the best interests of the child nor of society as a whole. It will eventually churn out hardened criminals rather than reformed adults, defeating the very social purpose of curbing the increase in crimes.

Instead of treating juveniles as adults I suggest we need to form more number of Juvenile Justice Boards (JJB), Child Welfare Committees (CWC), Special Homes so that all children in conflict with law can receive the necessary education, assistance, counseling and care they require to have a second chance to rehabilitate and turn their lives around.

One should not forget an old established Latin principle of law - 'Lexiniusta non estlex' which means 'an unjust law is no law at all'. The child is our future: we must protect the child, rescue the child, and not destroy the child. I leave u with that thought and thus rest my case.

## *Wanted fluency in English*



***Sonali SinghCS-16***  
***SRMS CET, Bareilly***

In today's scenario, we all are heading towards a globalized and diverse world where man is endowed with the hands of modern technologies and mechanized ways of living. But for all of us, we need to put some extra efforts so that we carve out our personality and make a difference in the society.

One such problem in the children of my age is that they are disinterested in attending English classes and avoid conversing in English with each other. This is simply because they lack in basic component and proper knowledge of the subject which in turns affects their speaking skills. As a result most of them are neglecting the subject as they hesitate to overcome their weakness and make it their strength.

But I just want to remind them that English is one such medium which will develop their overall personality and also bring a drastic rise in their results academically, conversing with others in English formally leaves a remarkable imprint.

In today's era where MNCs and professions demand candidate with good communicative skills, i.e. the way you express your views, your presentation and how much you influence others, all thing are being guided and noticed.

Thus, today English is truly the ultimate helpline which can lead you towards your goals and destiny.

## माँ एक वरदान



**Sarita Singh(M.Tech-15)**  
SRMS CET, Bareilly

प्रकृति का प्यारा सा वरदान।  
जिसमें मिला है हम को माँ का नाम।।  
जो है सबसे प्रिय और अनमोल।  
कोई न जाने इसका मोल।।  
जिसकी आंखों में है ममता होंठों पर प्यार।  
हाथों में लेकर करती हमको झूले पर सवार।।  
गर ठोकर लगती है तो अपना हाथ बढ़ाती।  
खुद गीले पर सोकर हमको सूखे पर सुलाती।।  
अपने दुख भुले सुख की राह दिखलाती।  
दोस्तों, एक माँ ही है जो हमेशा साथ निभाती।।  
एक माँ ही है जिसके दिल में बसी है अनमोल ममता।  
शायद कोई न जाने इसकी अदभुत क्षमता।।  
बस एक ही विनती मेरी सबसे कि देना इसको मान।  
जीवन में कभी भी होने न देना इसका अपमान।।

## Enrich Your English



**Shivani Malik(IT-13)**  
SRMS CET, Bareilly

This is the only 9 letter word in the English Language where removing 1 letter at a time yields another word.

STARTLING  
START ING  
STAR ING  
ST R ING  
ST ING  
S ING  
S ING  
I

## आखिरी खत



**Pushkar Baranwal(CS -13)**  
SRMS CET, Bareilly

मस्त मगन मतवालो का, भारत माँ के रखवालो का।  
आखिरी खत सुनाता हूँ, उनका एहसास बताता हूँ।।  
आज तेरा बेटा माँ देख अमर हो गया है।  
सारे दुःख दर्द से आज बेखबर हो गया है।।  
सोचता हूँ सारी बात आज बयां करूँ, सारी बात जो दिल में है।  
सीन ताने चल रहा क्योंकि भारत माँ आज मुश्किल में है।  
माँ तू भी घर पर आस लगाए बैठी होगी।  
इस बार भी घर ना आया ये सोचकर ऐंठी होगी।  
इस बार तिरंगे में लिपटा आऊंगा।  
तू माने ना माने तेरी आँखें भी नम करजाऊंगा।  
कुछ उदास बैठे होंगे कहीं तोपो की सलामी।  
माँ देख तेरे बेटे की भी कहानी होगी।  
बाबूजी अंदर से टूटे होंगे पर मुँह से कुछ ना बोलेंगे।  
घर के उस अंधियारे कमरे में छुपकर धीरे से रो लेंगे।  
छाती उनकी भी चौड़ी होगी पर अंदर दर्द समा ये है।  
गलियों में सीना ताने चलते वो जाने कितना गम छुपाये है।  
बहना को कहना माँ इस बार नहीं तो अगली बार।  
राखी का हर वचन निभाऊंगा।  
हुआ अगर अगला जन्म तो तेरा भाई बनकर आऊंगा।  
तेरी कान खींचूंगा फिर उस आँगन में दौड़ाऊंगा।  
स्नेह करूँगा जीवन भर जितना चाहे सताऊंगा।।  
माँ एक पहलु जीवन का तुमसे थोड़ा छुपा है।  
बैठी होगी बगिया में मन उसका भी रूठा है।  
तुम उसे ये बता देना मेरा हर कसम पक्का था।  
दुनिया से छुपा रहा पर पर प्यार मेरा सच्चा था।।  
वो बेचारी अब गम भी किसी से बता ना पायेगी।  
दर्द उसके दिल का किसी को ना जता पाएंगे।  
तुम उसके सारे गम को बॉट लेना।  
बेटा समझकर उसको भी जितना चाहे डॉट लेना।  
हुआ अगर अगला जन्म तो मेरा बेटा बनकर आऊंगा।  
माँ बाबा मैं आपके सपने उन जन्म पुरे कर जाऊंगा।

## Learning Mantras



**Mayank Kumar(CS -16)**  
**SRMS CET&R, Bareilly**

- Learning is not a spectator sport.
- Education is what survives where what has been learned has been forgotten.
- Learn from yesterday, live for today, hope for tomorrow.
- The purpose of learning is growth and our minds, unlike our bodies, can continue growing as long as we live.
- Be a student as long as you still have something to learn, and this will mean all your life.

## Management Mantra



**Ashutosh Sahu(MBA -16)**  
**SRMS CET, Bareilly**

It was a one fine day for the bus conductor who was newly appointed to the new bus number on the new route. Everything was fine, some passengers were boarding the bus and some of them were getting off. Generally, things were going well for him that day.

At the next stop, some passengers got on. But a big hulk guy having height more than six feet, built like a wrestler was the aim of every eye. As usual conductor asked to pay for tickets to newly boarded passengers. On asking to that hulk guy, he refused to pay fare. He glared at the conductor and said, "I don't pay!"

As conductor was just five feet, thin and basically meek. He didn't argue with that man and the same time he was not happy about it.

The next day, from the same stop, that big hulk guy got on the bus and the same thing happened.

This had become the daily story for the conductor. This made him filled with anger. As he was not physically strong, he was not able to raise his voice against the man. So he decided to join body building course.

With the intense workout and proper diet intake, he became quite strong within three months. What's more, he felt really good about himself.

Next day, when the big hulk guy got on the bus again and said, "I don't pay!" The bus conductor glared back and screamed with anger, "And why not?"

With a surprised look on his face, that man stood up and pulled out a card from his back pocket and said, "Because I have a Bus Pass."

Management Lesson: First be sure, whether there is a problem or not, before working hard to solve it

## Aphorism



**Chhavi Saxena(B.Ph.-14)**  
**SRMS CET, Bareilly**

- Words are, of course, the most powerful drug used by mankind.
- Only when we come to the end, we decide whether the path was correct.
- If we don't know life, how can we know death?
- Be content with your lot; one cannot be first in everything.
- The only sure thing about luck is that it will change.
- What we anticipate seldom occurs; what we least expect generally happens.
- Youth is a blunder; Middle age a struggle; Old age regret.
- Life's Tragedy is that we get old too soon and wise too late.
- A life spent making mistakes is not only more honorable but more useful than a life spent doing nothing.
- The only way to read a book of aphorisms without being bored is to open it at random and, having found something that interests you, close the book and meditate.



## ***Faculty Arena*** ***Scientists of Ancient India***



**Rituraj Agarwal**  
*Department of Electronics & Communication*  
*SRMS CET, Bareilly*

Few gems of the Indian sub-continent who showed their contribution in the field of ancient as well as modern science, technology and philanthropy and helped the nation in making its image in the world:

### **Panini (4<sup>th</sup> century BC)**

Panini, the great grammarian, known for his Sanskrit grammar was a pioneer of linguistic sciences. He is predominantly recognized for his formulation of almost four thousand rules of Sanskrit morphology, syntax and semantics in the grammar book, Ashtadhyayi, meaning ‘eight chapters’. The Ashtadhyayi is one of the earliest known grammars of Sanskrit. Panini’s grammar is algebraic where a finite set of rules generates an infinite number of words and sentences and forms the basis of modern linguistic theories of compounding.

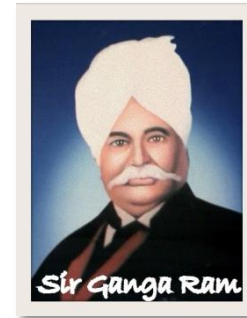


### **Radhanath Sikdar (1813-1870)**

Radhanath was an Indian Bengali mathematician who, among many other things, calculated the height of Himalayan Peak and showed it to be the Highest Mountain, which was afterward named Mount Everest. He joined the Great Trigonometric Survey of India in 1831 as a ‘computer’. The survey gave momentum to development of science and technology. Apart from being a mathematician, Radhanath was also a public reformer who along with his friend Peary Chand Mitra started the Bengali Journal Masik Patrika, for the education and personal empowerment of women.



### **Ganga Ram (1851-1927)**



Sir Ganga Ram was born in Mangatanwala, a village of Punjab Province, now in Pakistan was a renowned civil engineer who designed and built many government buildings and educational institutes. He was also a great philanthropist and agriculturist of his times. It is said for him that – ‘he won like a hero and gave like a saint’. He received the title of ‘Rai Bahadur’ in 1903. Sir Ganga Ram is known for designing a number of buildings including General Post Office, Lahore, Lahore Museum, Ganga Ram Hospital, Lahore, the powerhouse at Renala Khurd. Another hospital Sir Ganga Ram Hospital, New Delhi was built in 1951 in his memory.

### **Mokshagundam Visvesvaraya (1860-1962)**



Sir Visvesvaraya was a prominent Indian engineer, academician, statesman and the Diwan of Mysore during the year 1912-1918. He was the Chief designer of the flood protection system for the Hyderabad city, and also the chief engineer responsible for the construction of the Krishna Raja Sagara dam in Mysore. Sir Visvesvaraya was awarded the Indian Republic’s highest honor, the Bharat Ratna, in 1955. Every year, 15th September is celebrated as Engineer’s day in the Indian sub-continent in his memory.

## *Achievements & Laurels*



Vishal Maurya (EN-13)  
SRMS CET, Bareilly

The tennis tycoon of SRMS, Vishal Maurya brought laurel to the college by winning his fifth gold medal in National Games, Pune. He played and was winner in the various AITA Tournaments. He has various championships to his account since the very beginning of his career victory came to his way. In the year 2005, he participated in Oye Bog Tennis Academy Championship. After this he has not turned back, he won National Junior Hardcoat Championship in Madras. He was also selected in Jaideep Mukherjee Tennis Academy, Kolkata in 2011. He was also the winner of fourth National Level Rural Tournament sponsored by Ministry of Youth Affairs & Sports in Year 2012-13 held at Dehradun. He was also a winner of champion ship series in year 2014. He will also participate in Special Olympics in Australia in 2017. SRMS family wishes him all the best for a flourishing win.

## *SRMS Activities on Card*

***5<sup>th</sup> September, 2016      Teacher's Day Celebration***

***15<sup>th</sup> September, 2016      Engineers' Day Celebration***

***17<sup>th</sup> September, 2016      Vishwakarama Puja***