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III MECHANICAL

FEATURING ATTITUDE DETERMINES ONE'S ALTITUDE



WISE TALK

Start-up Tips – Part II



HARSHAVARTHAN

ALUMNUS CSE (2015 -2018)

ATTITUDE DETERMINES ONE'S ALTITUDE

It is possible to fly without motors but not without knowledge and skill. So, I wanted to take up all the possible challenges that would prepare myself a better Mechanical Engineer by gaining the necessary knowledge and skills that would bring out the unique. Fortunately, I got a wonderful opportunity for presenting a paper along with a senior faculty in my department in an International Conference. Only by accepting challenges, one can feel the exhilaration of victory, so, without any further dilemma I started my presentation work. The interesting and also the weirdest thing is that I haven't presented any paper nor attended any seminars before this event. Everything has a beginning, so, I initiated and prepared for my first presentation. The International Conference was held at NIT (National Institute of Technology), Trichy. I was appreciated and encouraged by all the staff and friends for taking up this big challenge which motivated me to present it well.



We chose a topic on the manufacturing stream, “DEVELOPING A FRAMEWORK FOR GREEN MANUFACTURING IN THE FOOD PROCESSING INDUSTRY” and the main theme of my paper presentation was to implement Green Manufacturing in the food processing industry. We conducted various researches in Sakthi soya industry which is a well-known one in the sector.

ATTITUDE DETERMINES ONE'S ALTITUDE

We incorporated 5S lean tool that is practiced in the industry and developed a framework for implementing green manufacturing that helps in reducing pollution, ergonomics and making the industry eco-friendly by using colour methodology. Though our paper was got selected, my co-author gave the opportunity to me to present this paper. So, I was so cautious in presenting without any flaw. I was guided by English and placement department faculty members for the presentation.



Finally, I entered into NIT which is a dream college for most of the Engineering aspirants. The international conference was named as “FEAST 18” which covered presentations from various aspects of Engineering. The conference was held for two days continuously and 350 people from different colleges. The environment gave me a flurry of excitement and also some sort of fear because I was the first one to present the paper that day. The competitors were from IIT, NIT, VIT and even from foreign universities. As I prepared, I presented my paper confidently and clearly and gave my best for which we were awarded the “BEST PAPER AWARD” in the international conference.

ATTITUDE DETERMINES ONE'S ALTITUDE

So friends, the universities or the place where we study does not limit our versatile learning and there is no use of being a normal graduate. We have to take up new challenges without any hesitation and only that will surely give you success one day to live as a unique person. Our college encourages these kinds of activities among the students and also fund the students in various competitions. Faculty members are ready to guide us in the right path and help us successful. What we have to do is to initiate and come out of our comfort zones. Winners don't do different things but they do things differently. Winners don't give excuses for not doing something challenging but they always find some reasons to find some new challenges, face it and win it. If they fail, they learn from it and make themselves strong. It's always important to be alone in order to travel deep into us and identify our strengths rather than always be in a madding crowd that discourages us from doing anything. Being surrounded by people who spread positive vibration is good. It's important to be aware of what's going on within oneself and around oneself in order to learn better and find the opportunities to excel. Thereby, I end up by quoting the sayings of my favourite scientist Albert Einstein, "In the middle of difficulties, lies the opportunity!".



WISE TALK

START-UP TIPS - PART II

I would like to continue with my first part where I introduced why one should become entrepreneur. Before you take your first step into Entrepreneur life you need to take care of following,

1. Choose your business partners wisely who can really align with your Dream, the dream (reason) of your Company.
2. Be open to negative comments, which will help you find the right path to success.
3. Never go behind money or fame as these are the by-products of your company.
4. Chase your dream with right mentorship.
5. Learn by making mistakes and from failures.
6. Validate your ideas or initiatives in the company with the help of an experienced or expert person.
7. Have a better understanding of the company's domain.
8. Explore as much as possible with all the available resources. These resources can be anything; keep in mind that money is not the only main resource.
9. In the beginning be satisfied with the experience you have come across not the revenue growth.
10. Have a good business plan. Spend your resources wisely.

When it comes to the team of the company, break the hierarchy in your company this will make your team operate more efficiently than the salary you give them. Choose people who can understand your company's dream. Empathy is the most powerful tool to understand your team better. Pick up Satya's book, 'Hit Refresh' or look at Sundar's note to his team in the wake of the shooting at the YouTube headquarters. Both are about people and leading with empathy. It is perhaps what makes these Indian leaders the heads of global conglomerates like Microsoft and Google.



START-UP TIPS - PART II

Dream: Everyone has a dream and no one else can feel or understand because it's your dream. Keep your dreams awake and work on it to the fullest until you feel satisfied on what you have done. Wait for a click patiently.

Designations: A Person's designation or position should react only to his THOUGHT PROCESS, not in the character or attitude to lead the team better and in a healthy way.

Building the Product: Take an idea; work on it by building a prototype; so that you fail in the beginning and find the right way to hit the market in later. If you really have a passion for product development and if you have a commitment towards it, you will end up with happy customers to enhance it more.

New Initiative: When you do something different with what you learned or observed, you will get two outcomes, success or failure. Success is for your effort you have taken and failure is learning and also a stepping stone to do something more different.

Target Audience: Once you fix your Target Audience for the product or service solutions you provide, get into the field and try to have face to face interaction in order to learn more about them and practical difficulties they face to adapt to automation.

Marketing: Visited 40 + shops in just 4 hours, got rejected and humiliated in the first 39 shops but the 40th and 41st shops gave answers to all other 39 shops' reason for rejection during our 20 minutes interaction. So, "Be patient and Learn"

To be continued.....

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INDIA-CANADA SUMMIT 2018

India-Canada Summit was inaugurated on 26th April 2018 by Dr. Srikanta K Panigrahi, Director General, Indian Institute of Sustainable Development, New Delhi.



Dr. C. Ramaswamy, Secretary-NIA Institutions welcomed the gathering and briefed about the genesis of MCET and CANADA collaborative activities. Dr. Ibrahim Alladin, International Advisor, MCET set the context and need for such a summit.

Dr. Allen Britten, Professor, Cape Breton University Canada, briefed about the research partnership and the collaborative works of MCET and Cape Breton University, Canada. He indicated that the 5 presentations by people from Canada, were their students' works, highlighting students' involvement in research. He suggested to include industry in the research and insisted on carrying out more collaborative research and publications.



Inaugural Note by Dr. C. Ramaswamy

He insisted the gathering to focus on wind energy and suggested to form a research group (20 people) for the 2020 India-Canada Summit and to send sabbaticals for every 3 years. He suggested to mobilize more students as interns.

Dr. Ibrahim Alladin, International Advisor, MCET, Dr. Allen Birtten, Professor, CBU, Canada, Dr. Martin Mkandawire, Research Chair, VCSEE, CBU, Canada, Guests from CBU, Canada - Dr. Raj Kaliaperumal, Dr. Shimal Fernandopulle, Guests from Laurentian University - Dr. Darrel Manitowabi, Dr. Jorge Virchez, Guest from Loyola College - Dr. J. Joel Gnanadoss, Mr K Thiyagarajan PMU, Thanjavur and Dr Jagathammbal Karunya University were some of the external participants along with the MCET including Dr. C. Ramaswamy, Secretary - NIA Institutions and Dr. A. Rathinavelu, Principal - MCET.

INDIA- CANADA SUMMIT 2018

Dr. Srikanta K Panigrahi, Director General - Indian Institute of Sustainable Development, New Delhi, delivered the keynote address on "Key National & International Issues, Concerns and Solutions on Various Points on Energy & Environment"



Dr. Martin Mkandawire Research Chair, VCSEE, CBU, Canada, briefed on the future plans of International Research Collaboration on Energy and Environment Research. He suggested that a workable schedule should be fixed for the activities and implementation of research works.

Dr. Ibrahim Alladin International Advisor, MCET discussed the scope of future research initiatives, lack of student involvement in research, scope for new research proposals in collaboration with Canadian partners.



He also briefed on the plan for the next India-Canada Summit which is to be held in 2022. He also indicated that the next initiative for the campus would be "Plastic free campus" by 2020.



Dr. Jorge Virchez, Laurentian University, Canada pointed out that community participation is important. He mentioned that he had a very good experience at MCET and he is learning from it. He also mentioned few strategies to involve industries in collaborative research.

Dr. J. Joel Gnanadoss, Loyola College shared his views on the following areas such as development of new technologies, ideas on what to do with the pollution that is already present, restoration of Indian rivers, analysis of degradation products and Chromatographic analysis on entomophytic fungi.



CRUSADE

INDIA- CANADA SUMMIT 2018



Dr. C. Ramaswamy, Secretary, NIA Educational Institutions in his concluding remarks told that the expected outcomes of the summit were Research collaboration, Capacity building, Networking among ourselves and Community involvement which were achieved. He pointed out that in order to move forward and achieve the above goals, a proper strategy and time line need to be fixed as soon as possible. He suggested to form a consortium with clear mandates among the 4 partnering institutes for better networking. He suggested that the members could meet once in 3 months to discuss the strategies, improvements ideas and also the initiatives at their own institutes.

The community involvement in RESE 2017 at MCET was very good and MCET may jointly work with Laurentian University, Canada for effective community engagement. He pointed out that the possibilities of bringing international students to our institute as intern will be explored. He suggested to formulate strategies and mentioned that this would be a successful model that others would know and suggested to make joint proposals. He also suggested to make the community known about the efforts that are taken by the institutions towards sustainable environmental development.

INDIA- CANADA SUMMIT 2018

Dr. B. Saravanakumar and Mr. C. Radhakrishnan of MCET briefed about the collaborative research carried out between CBU and MCET during the first session. During the second session, all the partner Institutions presented their research activities as given below between 2.00 PM and 5.00 PM. The Session was chaired by Dr. Allen Britten, Professor, Cape Breton University Canada.



Second day of the summit started with (Session III) a presentation about Laurentian University, courses offered, the type of community engagement they do at the University and the restoration work carried out by Dr. Jorge Virchez at Laurentian University. Dr. Darrel Manitowabi, Laurentian University presented on the topic, "Indigenous Capacity Building in Sustainable Development: A Northeastern Ontario Case Study". The session was chaired by Dr. Ibrahim Alladin, International Advisor, MCET. Overall, it's an exhilarating experience and people were able to collaborate and share ideas through the summit.



SMART INDIA HACKATHON 2018

A team of six third year students, C.Keerthana, M.Manimaran, P.Pooja, C.Elakkiya, R.Vinitha and Mohammed Ibrahim from Computer Science and Engineering Department, MCET developed an Android mobile application for disseminating information about all government schemes and services under ministry of women and child development. The team was guided by Mr.P.Boopathi Rajan AP/CSE during the grand finale of Smart India Hackathon 2018, which was a continuous 36 hours coding contest sponsored by AICTE held at Oriental University, Indore on March 30th and March 31st 2018.



The developed Application carries information about all the basic women schemes that are available under the Ministry of Women and Child Development Web Portal. It includes additional information on health check-ups, nutrition tips, hygiene methods, how to apply for basic documentation, bank transactions, investments, interview tips, etc. in the form of offline video guidance in an interactive manner.

SMART INDIA HACKATHON 2018

The objective of the application is to create awareness among women and to make the schemes accessible to women in every nook and corner of the country. For the ease of use, Sector/Department/Category based functionality is provided. Information regarding Schemes is also accessible offline. Offline guidance regarding Schemes will have a better reach among citizens who don't have Internet facilities. To clarify/investigate the queries, Chat bots and Call (Toll free) facilities are provided. This Application also supports Screen Reader. Once one presses the voice button they can hear complete guidance via voice recording in their preferred language (Choice of different languages will be provided) in an interactive manner. Overall, this application will help the citizens (mainly women) of India to gain maximum/required information about the schemes in a short span of time.

Totally, 50 teams from all over India participated in the grand finale of Smart India Hackathon 2018 during which the teams developed the solution for the problem statement given by ministry of women and child development. There were three rounds of Evaluation, after which top 15 teams were selected for the power judging round. Our team was one among the top 15 teams which got selected for the power judging round.



Dr. K. THIRUKUMAR
Associate Professor - CSE

TRANSFORMERS OF THE SOCIETY

Women hold the key for social transformation and sometimes they are the key itself. Domestically, U.S. was the first to empower women by granting them the right to vote, banning discrimination based on gender and mainly including women in politics and bringing more gender equality at workplace. Women are the wonderful creatures created by God. Usually, women are considered as the eyes of our nation. In ancient days, women were considered slaves to all the men and in those days, they were owned by someone who held complete authority over those women and thus women were prohibited from dreaming free and taking any initiatives by themselves. They used to sit inside the four walls and restricted to do the household chores. Even education was unavailable for women and they were meant only for cooking and cleaning works. They were unable to lead a successful life because of those rules in the society. Society never realized that women had the will-



They are longing to work like men and also for men....

Firstly, women feel privileged to keep their surroundings happy. They work for the family and not for themselves. They live for the sake of the family and they do not care about themselves. But now women are given a position equal to men in all aspects of the society.

TRANSFORMERS OF THE SOCIETY

Women have started educating themselves and their female children too. They take part in all the social processes and they have also started taking part in the politics effectively. All the opportunities given only to men in those days are now given equally to women. Women render their service to the society by working in sectors such as police, military, space mission, international relations etc.

Women feel proud to offer their service to the society.

Secondly, society revealed the truth that women can perform as good as men. So, society started providing all the support through the government. Women started taking part in all the events conducted by common people. They also take care of the family while working for the society and they always think about the welfare of the family and their surroundings. Nowadays, women are given first priority in everything and they too make use of it and prove themselves.

Finally, every woman should feel proud to make her presence in this beautiful world. Being a woman is not considered to be proud but working as a woman by offering their services for the sake of others through government or family is more important. The best creatures of God who bring new life to earth, make people live and render their lives for others is called "WOMEN".

T. KAVIYA

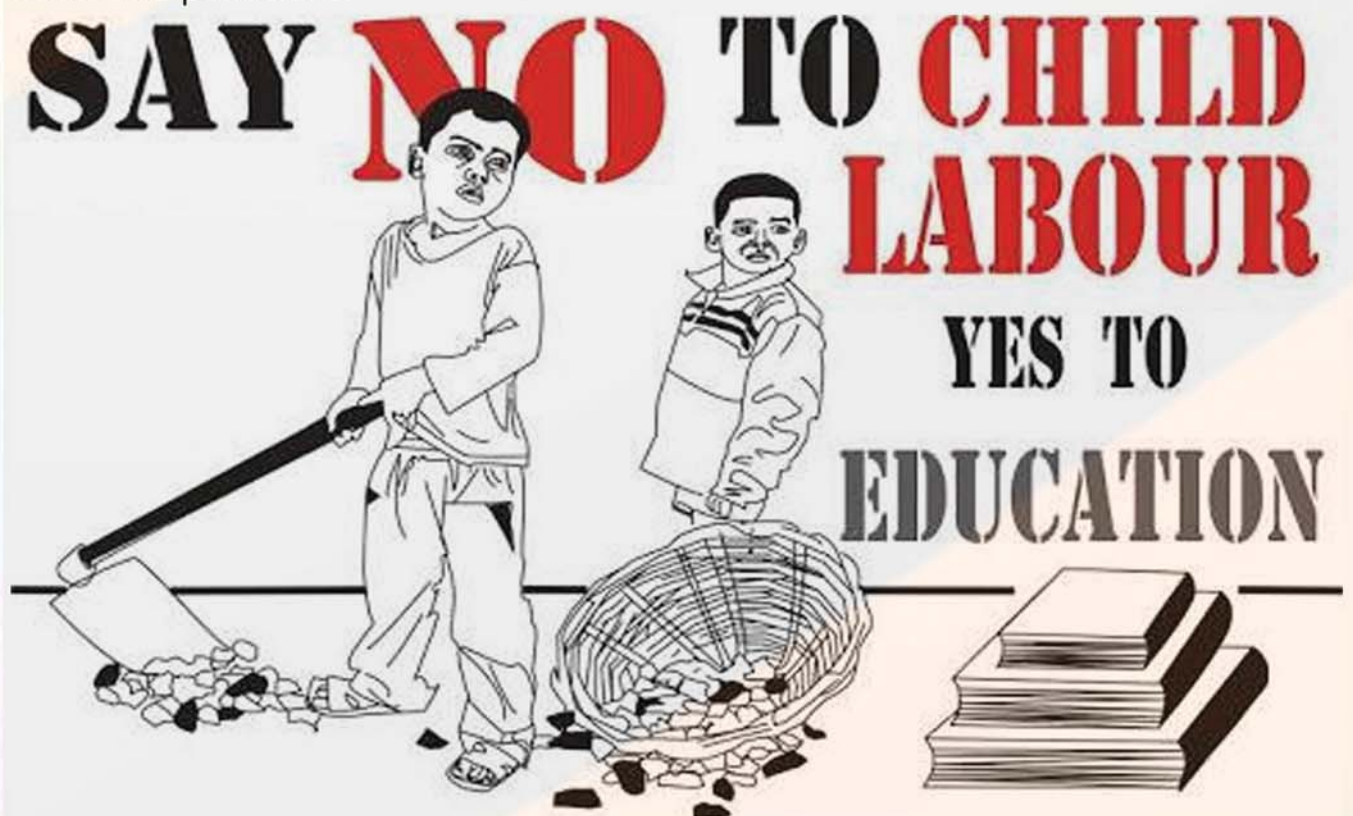
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CHILDREN NEED THEIR SPACE

It is said that Children may cover 50% of our population, but never forget that they are 100% of our future. This is one such saying that caught my attention and prompted me to write about it. When we see them in streets, shops, construction sites etc. all we feel is sympathize for them but none of us have ever thought how they got into that situation or how to bring them out of that particular zone. Child Labour is still persisting in India and that is why we are still in the developing countries list. If this continues, India will never become a developed country or India shouldn't even think of becoming developed. Solving our present issues without considering our past and future consequences will make it even worse. Even if one such person raises to stop this, he is shut down immediately. People who work for the social causes are targeted by the profit oriented companies and corrupted government officials and politicians.



We consider Abdul Kalam's demise as one of the biggest loss of our country. The only way we can pay back is by fulfilling his dreams. He always wanted children to acquire knowledge and should be free so that creativity gets bloomed, but here they are restricted to dream even.



CHILDREN NEED THEIR SPACE

What is the point in calling India a developing country if this is the present situation? Almost every other person around the world is making use of it to dump India. We still remain ignorant and don't get the point except fighting for useless things. We call ourselves proud Indians but never think of contributing to the betterment of the country. We aren't fit to call ourselves Indians if we are not working for India. Making the children work sleeplessly while the one who should be working sleeps with a bursting stomach is not the way India grew up. And isn't going to grow any further if this keeps going.

We had a Legacy of warriors who fought for others, who fought for unity, who fought for freedom and still we have a nation with more child labours who work like slaves. With our present lifestyle, we insult them. They never wanted anything for themselves, but wanted the future generation to enjoy the taste of freedom. Considering the present situation, rich are getting richer and poor are getting more and poorer ... And if this is passed over to the next generation, then it will be much difficult for India to rise again. Thinking the demise of past and making reasons and judgements for the present won't set things right. We are now in a situation where we are not sure of any new ideas or inventions and most specifically making CHILDREN a SOCIAL ISSUE. All we knew is making crowd and raising voice to eradicate great social issues, which is good to consider. Raising voices for the tomorrow's generation will make our nation so proud and India can proudly say that it respects its children.

A. AJAY KUMAR

II MECH

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ECO-FRIENDLY

In general man should try to live in harmony with all the other living and non-living organisms. But considering the fact of pollution and break in eco-systems and eco-chains, it is very difficult to maintain a perfect balance. Though it has created a great deal of difficulties and troubles in harmonious living man has tried to maintain a cordial relationship with nature and its embellishments. There is no end for development until there is an end for human's wishes. In our day to day life our society is getting more and more developed in many ways by new inventions and discoveries. For those inventions and discoveries the connection between people and the new products are the industries. As there are more number of industries, manufacturing of products are also going unlimited. Due to the increased population the need of raw-materials for manufacturing are very high. Thus there arises a problem about the manufacturing.



In fact, the increase in the number of industries has employed people who were without unemployed so far. But among all the benefits there is a great disadvantage that the process of manufacturing leads to more unwanted wastes which in turn becomes more dangerous to all the living organisms. As these wastes are not treated properly and they are polluting the land, air and water. We know that all the organisms in this world needs oxygen to live. As the air is getting polluted day by day, all the living organisms are dying everyday.

ECO-FRIENDLY

This leads to extinction of some vital organisms.

- In water pollution the fishes and other organisms are getting affected. The water which we drink is getting polluted and as a result humans are also affected with lots of communicable diseases. The people who are using lake water are getting new diseases and the survival rate from those diseases is very sparse.

- Pollution wastes are buried in lands thus the cultivation process gets affected. As a result farmers are in an unavoidable condition to buy fertilizers and pesticides for a high cost. This leads to purchase of the food products from other countries leaving our farmers in agony.

- Once the main occupation and backbone of India was agriculture which is now in very pathetic condition and even farmers are reliable on global markets. There are no schemes and plans to provide water for the well-being of farmers and the governments are also failing to introduce effective schemes for them as a result of which farmers commit suicide.

CONCLUSION: "You can live without food for five days, you can live without water for three days but you can't live without air for one minute". If all these comes together, what will be the solution? It's time human beings think of all the other living organisms thus materialising the aim of deep ecology which suggests to treat all the living organisms as equally important. These organisms are vital to the survival of human beings on a long run. So, it's about looking into the future and not instant gratification of needs by destroying nature.

M. VISHNUVARDHAN

II MECH



TELEVISION IS AN IDIOT BOX

Television, the vision of both limitless happiness and endless crises. Its usage is mainly dependent on the age, mentality and even on the unawareness of technology. It has more advantages. It is usual that only disadvantages come into account on public speaking rather than its advantages. It may have zillions of advantages but that doesn't matter. Television is one of the greatest inventions of 19th century which created a great impact on almost all people. Though all have a television in their houses, none of them in general knows the real value and usage of it.



Now, let us discuss about the impacts of television in the human life. During the olden days, there were less availability of televisions. There was only one or two per village. People in the village used to watch movies, news in the home of the rich persons. It was done once or twice in a week. It was quite useful and entertainment for the people. But now-a-days, there is no house without television. Both rich and poor have television in their houses. Thus, television has started ruling our live. Here, I would like to discuss an incident happened to my friend, who is now studying. From his childhood onwards, he used to study well and he is the topper in the class at all time. His parents were very strict during those days.

TELEVISION IS AN IDIOT BOX

After completion of 8th standard, they let him free, because of the belief on their son that he would study well. But unfortunately, he started to watch television and got addicted to it. As a result, he got just 384 marks in SSLC exam. He was very upset regarding his results. So, he took a decision, not to watch television. As a result of his hard work, he got 1152 marks in 12th standard. Now he is studying MBBS in Tirunelveli medical college and this is just one example. He is aware of his mistake, so he changed it. But many students are not cautious about their mistakes. Television causes some unavoidable issues such as creating laziness among people, eye problems and other health hazards. Now-a-days, most of the people watching television are becoming obese, because they are just sitting in a place, eating something spicy or junk and watching television.

Just like the coin has two sides, TV also has both advantages and disadvantages. Using it wisely, properly and for good purposes makes Television a good companion for man of all times. Television is the good entertainment for all age group of people. For small children, cartoons are available. For adults, there are many entertainment programs, movies, many useful things, etc. For aged people, it has serials, entertainments, news, etc. Sports channels are big boon for the sports lovers. Weather telecasts can also be watched in television. The whole world in a single box but making it a boon or bane is in the hands of those who watch it. Some people get addicted to television while others use it to leverage their knowledge. Some people just watch it to pass time while others make money out of it. So, use television as a smart box and not as an idiot box.

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II MECH

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A BEAUTIFUL RELATIONSHIP - PART V

Days flew like whirlwind and it was time for Charvee's half-yearly exams. Since Charvee incorporated all her portions a earlier, the exams were easy for her to crack. Every day, she came and exclaimed that the exam was easy. But the fellow mates of the home didn't bother about her except Shoba who knew that she would surely hold a rank in this exam. She kept on motivating her. It was winter vacation and as usual, Charvee planned to lodge in Shakshi's home and in an expected way, Sheela refused to release her from home. There was no other way for Charvee to get out but to spend those days playing with Shantu. But that vacation was really charming for Charvee as she had a new baby to play with and above all, she had no worries about the exams. Everyday, Shantu came to Charvee's home and spent his whole day there.



Shantu was so calm and cool to play with Charvee. It's not an easy task to play with her since she won't go with anyone nor forgive them. She had a mind-set of being superior and leading all others. But Shantu on the other hand, accepted everyone and naturally went on with everyone's emotions. They too had some silly fights and arguments but still they played and spent their whole vacation with a lot of positive spirit.

A BEAUTIFUL RELATIONSHIP - PART V

Vacation passed just like the lightening and it was again time for schooling. Results were published and it was an astounding surprise for her. She couldn't believe her eyes. Yes..... She scored 2nd in her class. And as accustomed, Shantu was ranked first. Everyone in the family was surprised. A ray hope flashed through her face that she could do her academics best. From then on, she baggaged all her waggish activities and concentrate in her studies. She started realising her own Potential. From there, she herself began to build self-assurance.

The position which she thought was unachievable, the place which she thought of higher eligibility for her knowledge, and the point which was just a dream seemed to be in her hands. Yet, it was not as worthy or the best place to stay because it only marked a noteworthy place for her since she had been one of the blunt student in her class and among the members of her family. The academic year came to an end. It was the time of summer vacation and it was longer than the winter vacation. Almost all the classmates of Charvee resided nearby and so they got together, played and passed the vacation happily.



A BEAUTIFUL RELATIONSHIP - PART V

One day, Charvee returned tirelessly from her play and composed herself to play after lunch. There was once again a serious meeting regarding Charvee. As soon as Charvee entered the house, she understood the situation and acted as if un-noticing anything.

"And I strongly regret this!" said Sheela.

"How could she travel such a long distance daily?"

"Ohhh...! Sheela, why don't you understand this. We must undergo some risks to achieve anything. Till now, Charvee is being too luxurious and now, she got the hang of her potential. We can't afford luxury to her everywhere. She has to practice from now."

"But I think this is too early for her to take up this dare." said Sheela.

"No Sheela! what he says is correct. She should be sent to another school. Don't just look towards your sake Sheela. This is her future and it shouldn't become a question mark with us as a reason." Shoba justified. And there was no other way for Sheela, so she agreed. Charvee was shocked. Though she was congenial for her future, she didn't want to.....

To be continued.....

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