

SUNERGIA 2011

Stay Connected

“ LET THERE BE LIGHT! ”

ISSUE 3



RMK ENGINEERING COLLEGE

An ISO 9001:2008 Certified Institution and Accredited by NBA &

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RMKEC ALUMNI ASSOCIATION 2011

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Mr. G.Mahendran, 1999/Mech

Mr. Ankur Gupta, 2007/ECE

Dear Alumni!

"If winter comes, can spring be far behind?"

Wondering why this statement is made, at this juncture when our institution has reached greater heights in terms of research, results, rank and placements!! We are talking about the soul behind this success! Behind every successful man, there is a woman! So True! Also in our case behind the success of RMK, there is a woman-our Chair Person, Thirumathy.Manjula Munirathinam. She is the building block of this institution. She has been our sweet mother, a loving friend, caring counselor, gorgeous guide and our precious philosopher! This philosopher was gifted with a grace to turn one's dreams into reality!

"Motivation is the spark of knowledge that lights the fire of knowledge and fuels the engine of accomplishment. It maximizes and maintains momentum." She has lit a fire in us by her motivation and made us give light to others! "The sun is gone, but we have a Light!" Yes, we still have the light and we shall continue to spread this light! We dedicate this issue of our RMKEC Alumni Newsletter, SUNERGIA 2011 to our beloved Chair Person, Thirumathy.Manjula Munirathinam.

This is the third issue of our newsletter, "SUNERGIA 2011", which means 'Working Together'. We RMKians come together, keep together and work together through this newsletter. This issue is adorned by felicitations from our Patrons, Thiru.R.S.Munirathinam, Thiru.R.Jothi Naidu, Thiru.R.M.Kishore and also from our President, Er.Gopalakrishna/2004/Mech followed by an annual report of the RMKEC Alumni Association. Accomplishments & achievements of our present & future alumni are columned as "Laudable Laurels". Along with this our alumni have shared their memories through "Memoirs" and their expertise & knowledge through "Technical Critiques" and FAQ from Alumni Inbox.

We welcome your valuable contributions for the next issue. You can send your feedbacks, suggestions and contributions to rmkalumninews@gmail.com

"LET THERE BE LIGHT! AND LET US SPREAD THE LIGHT!"

"HAPPY READING!"

CHAIRMAN'S MESSAGE



I am overwhelmed with joy to see the tremendous growth of RMKEC Alumni Association over a decade. It has been a quindecennial since RMK was started and am glad to witness the RMK alumni become one with the society where their contribution makes a definite difference in the field of science and technology to the international community.

Though I created an environment to empower the students with technical knowledge, which would enable them to realize their true potential, it is my proud privilege to articulate that our alumni have effectively used this conducive milieu to foster their dreams and fulfilled them.

I thank all the alumni who willingly came forward to share the experience they have gained in diverse facets of their technical life. Your continued association with us will help us serve the student community better, from time to time.

I congratulate all the members of the Editorial board for providing us a platform to commune with our alumni.

Wishing you all, All the Blessings of Life!

Thiru R.S. MUNIRATHINAM
FOUNDER-CHAIRMAN
RMK ENGINEERING COLLEGE

DIRECTOR MESSAGE

The efforts RMK Engineering College had taken to inculcate quality Technical Education and good discipline have produced a group of highly responsible Engineers who have chosen to stand for the truth and sincere service to the Nation. I am extremely happy to taste the sweet and sumptuous fruits of all our work, as I witness the successful growth of our alumni.



Wishing all the members of the RMKEC Alumni Association, the best of life.

Thiru. R.Jothi Naidu.

VICE CHAIRMAN MESSAGE

We started with a vision to create quality engineers and a mission to become an internationally elite institution. Our alumni are the reality of our vision and mission. I am indeed pleased to witness that our alumni have accomplished and are accomplishing the mission we started. Mission can be accomplished, but vision should be extended to cater to the needs of the technical world. With such an awesome alumni, I am sure that we can reach new milestones by setting new goals for excellence. I am delighted to see the alumni associating with their almamater by their contributions.



We gladly look forward to have an ever strengthened association every year and we whole heartedly appreciate your gesture of involvement in helping us serve better.

Thiru. R.M.Kishore

SECRETARY MESSAGE

I have learnt that the 3rd issue of our RMKEC Alumni Association newsletter, "SUNERGIA 2011" is getting released during the 15th RMKEC Alumni meet. In line of developing the technical skills of the students, it's indeed very much required to inculcate industrial knowledge and the recent trends in the ever growing technical world. Alumni would be a great source in developing such skills in their juniors. I appreciate all those who have contributed for the newsletter.



I congratulate the members of the editorial board for all their efforts in bringing out this magazine. I wish them all the best.

Thiru. Yalamanchi Pradeep

VICE CHAIRPERSON MESSAGE

A deep sense of admiration, thanks and bliss surge through my heart as I greet you all through the columns of the annual RMKEC Alumni Newsletter, "SUNERGIA 2011". Having successfully crossed the various hurdles encountered on the way of its growth in stature and strength today, our college has become one of the finest educational institutions dedicated to the pursuit of knowledge and excellence. The role played by alumni in this regard is commendable. The laurels brought forth by all our alumni who are working in India and Abroad adds to the strength of our college. On this occasion, I congratulate all the alumni and wish them all the best in their future ventures.

Smt. Durgadevi Pradeep



TRUSTEE MESSAGE

It is a matter of great pleasure to learn that RMKEC Alumni Association is releasing its newsletter SUNERGIA 2011.

The purpose of forming Alumni Association is served only when the Alumni continue to associate with their Alma Mater with a view to cherish their memories and to contribute their experiences towards the growth of the institution. This newsletter is by itself a testimony for serving this purpose.

I congratulate all the members of the editorial board for their efforts in bringing out this newsletter.

Smt. Sowmya Kishore



PRINCIPAL MESSAGE

It is a matter of great delight to learn that our Alumni association is releasing its annual newsletter "SUNERGIA 2011", on the occasion of the 15th ALUMNI MEET. The association of the alumni with the almamater is extremely important for the growth of an institution. Our Alumni know this fact very well. This is evident from their contributions. At this juncture, I wish to appreciate the stupendous achievements of our alumni in all their endeavors. The conducive environment and constant encouragement of the Management coupled with the sincere and dedicated efforts of our Faculty and Staff has provided our alumni the right platform to propel forward towards excellence in every realm of their exertion.

I congratulate the Editorial Board and the contributors for their commendable work in bringing out this newsletter successfully.

Dr. Elwin Chandra Monie



DEAN MESSAGE

It gives me immense pleasure to greet you all through this third edition of the RMKEC Alumni newsletter, SUNERGIA 2011. It has been nearly a decade since the RMKEC Alumni Association was formed. I recall with pride and pleasure, the pre-eminent position our college has carved for itself in the highly acclaimed category of similar institutions. The role of alumni in reaching such a status is stupendous. It is no wonder, then, that we find ourselves in this highly respected and publicly acknowledged position. The time has come for us to translate our vision of making this an internationally reputed institution offering world-class education. I am sure that our alumni would ensure that they play a vital role in making this vision, a reality.



Dr.K.Chandrasekaran

VICE PRINCIPAL MESSAGE

I am extremely happy to learn that the 3rd issue of the RMKEC Alumni Association Newsletter, 'SUNERGIA 2011' is getting released during the 15th RMKEC ALUMNI MEET. In the perspective of vast changing scenario of globalization, varied knowledge skill sets are essential for the overall growth of a student in their professional career. Alumni are the great source of such a knowledge who could guide their juniors to become better professionals. An Alumni Association provides a network for such an abet. I request each Alumnus, at this juncture that you may willingly come forward to share the experience you have gained in different aspects with our Alma matter through this Alumni newsletter and contribute your experiences towards the continuous growth of our college.



Prof. K. A. Mohamed Junaid

PRESIDENT'S MESSAGE

Dear Alumni,

I am immensely pleased at the roll out of our 3rd Alumni Newsletter on the occasion of our 15th Alumni meet. This newsletter is of more significance, as I have witnessed more hands coming together in making this come to life. New columns have been added, more focus on career development and prospects and newer initiatives. I take this opportunity to inform that I have offered to share my personal experience with the Job market outside during each newsletter, which in turn will be fueled by other alumni. You are welcome to pour in your questions / queries regarding the same.

I sincerely urge each of you to come forward to make this newsletter more productive in the terms of content / language and technicality cum usage.

I thank all the hearts and the hands that have come together in bringing this newsletter to this shape.

Regards

Mr.C.Gopalakrishna

FLSmidth

2004/Mech

President

RMKEC Alumni Association

TREASURER MESSAGE

Dear Alumni Members,

I would like to extend my warm wishes for a successful year ahead for everyone. I am extremely happy with the way our alumni have grown over the years and would like to have more active interactions in future.

Bharath Boppudi

Treasurer

RMKEC ALUMNI Association

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THE LIST OF THE ELECTED BODY OF MEMBERS OF RMKEC ALUMNI ASSOCIATION

- President* : *Mr. Gopalakrishna.C, 2004/Mech*
ipog83@rediffmail.com
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- Vice President* : *Mr. L.Vivek, 2006/Mech*
vveklm@yahoo.co.in
- Treasurer* : *Mr. Bharath Boppudi.V.K, 2006/ECE*
bvk.boppana@gmail.com
- Secretary* : *Ms. D.Jothi, 1999/ECE*
jothyd1@yahoo.com
- Office bearers* :
 1. *Ms. K.Selvi, 2006/ME/CSE*
sselvi90@yahoo.com
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skn.ece@rmkec.ac.in
 3. *Ms. M.S.Kavitha, 2007/ME/AE*
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 4. *Mr. K.Vijayanand, 2002/ECE*
vijayanand@yahoo.com
 5. *Mr. K.Chidambara Thanu, 2006/ME/CSE*
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 6. *Mr. G.Mahendran, 1999/Mech*
mahendmech@yahoo.com
 7. *Mr. Ankur Gupta, 2007/ECE*
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- ▶ *RMKEC Alumni Association was formed on 12th may 2002 by the passed out students of RMK Engineering College. It is governed by an elected body of members, which consists of a president, a vice-president, a secretary, a Treasurer and 7 office bearers. Election is conducted during the annual general body meeting.*
- ▶ *This association has a group ID and fresh alumni members are inducted into the group every year. More than 400 active members are present in the group. Valuable information regarding higher studies and job opportunities are being shared by the members.*
- ▶ *RMKEC Alumni Association meetings are conducted twice a year, one on the graduation day and another on second Sunday in the month of October/November.*
- ▶ *Association has a Joint account operable by the secretary and the treasurer in the name of RMKEC Alumni Association at IOB, Kavaraipettai.*
- ▶ *An online newsletter "SUNERGIA" of the RMKEC Alumni Association is published every year, in which reports of the recent happenings, developments of our college, and achievements of present and future alumni members are posted.*
- ▶ *A "Distinguished Alumni Award" was institutionalized to recognize the contributions & achievements of the alumni members from last year. The first award was given to the first batch alumni, Mr.Ratnakar Rao, 1999/ECE.*
- ▶ *Alumni website created by Er.Jagadeesh/2010/ECE, which is linked with the college website, was launched along with the new version of our college website. Information regarding present job opportunities, academic requirements, recent trends in the field of engineering, higher studies guidance, etc., is posted in the website.*
- ▶ *"Alumni Best Project award" is given for the final year students of all the departments from this year.*

ALUMNI ARTICLES

DREAM BIGGGG!!

When I sat to write down this article, I intended to write on nice heart warming things about my college memories and how often I think of student life. But my mind was crowded with thoughts on the impending doom – COMPETITIVE EXAMS for which I was preparing.

So I decided to write on a different line of thought – “our attitude towards career when we were at college “and “our attitude towards career 1 or 2 years into the corporate sector”. I bet 80% of those reading this article would be into popular software companies. For those lucky souls blessed with good coding skills, life would be hunky dory with sunshine warming their lives. But for lesser mortals like me with very average technical skills and who survive with good soft skills, future is nothing but a grim, hazy, dark sky.

Let me take you through what I felt when the results of campus placement were announced at around 12:00 midnight. I thought I had done something extraordinary. There was no turning back and life seemed beautiful. I seemed to look at everything with rose coloured glasses. I thought that we have achieved what we have always wanted to – a good job with a good pay. But it's only now I have started realizing that no job is good enough. More importantly, no pay is good enough! I have been a happy content person all my life. How did this sudden dissatisfaction creep into my life?

Back at college, I had nothing to crib about (except for a few rules that we got used to as time passed by!). Everything was picture perfect – 20/20 in internal, being in the good books of most of the staff, having fun at symposiums, lunch time and reasonably good semester results. But now a days whenever I introspect my life, I whine, whine and only whine... Though I love my job profile, I don't see a future in it. It's only then that lightning struck my head and I realized that I didn't want to be in this job and my only way to happiness would be to do MBA at any reputed college.

At college, I had all the time in the world to prepare for competitive exams. I could have prepared during the bus journey, during lab sessions after getting the observation verified , during the last 5 minutes waiver off the period that we used to get for a few subjects, after getting back home at 5:00 etc. But now the utilization of every single minute makes me think whether I should complete the tasks assigned by my PL or to use it to complete a topic for my competitive exam. And finally I end up deciding that since I am being paid by my company I should prioritize that. Infact this job will be my cushion if I screw up my exams. It's just not me who is in this dilemma; I am speaking on the behalf of scores of my colleagues who are in the same boat as me. When we had time, we didn't have the passion. When we have the passion, we are struggling to find time.

So in all, let me use this article as a means of motivating my juniors who are more than content with their campus placement. Everything will seem bright now, but just ensure you don't lament after a year or so. If you think you are not cut out for the job that you have got, instead of fooling yourself into thinking that you will be happy, work with your heart and soul towards your actual career goals. Try your best. Keep trying... This job is always there as a stand by. But never lose track of the future. It's never too late to start. I was late by a year. But I am glad that I atleast realized it now. No turning back now. If I am not going to succeed this year, I shall try the next year. Ultimately I will succeed. Ultimately I will do something I will love and not something I am struggling to love.

Never be content with your achievement. Shri A.P.J. Abdul Kalam always asks us to dream big. I thought I dreamt big by wanting to get through campus placement. But now I realize that it was not BIG ENOUGH. Had I dreamt big then, I wouldn't be writing this piece of article that seems more like a sermon.

So in a nutshell, identify your real passion, amplify your determination towards your ideal career and work towards it. Our college placement cell will ensure that you have an alternative plan as a backup. We are infact blessed to be in an institution that has such an amazing placement record! They will do their best to ensure you are financially independent. But financial independence is incomplete without satisfaction. So never ever settle down with that alternative if you are even mildly doubtful that you won't be happy doing that job !

Good Luck !

P.S : Questions related to my scores in competitive exams after reading this article are strictly not entertained !!!



*Jyotsna Venkataraman
2010/ECE
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DOING AN MBA

When I was asked to write this article, the first thing that came to my mind was the dialogue from the movie 3 idiots. I giggled, but then decided that there is nothing wrong with doing MBA post engineering.

The first question: What does it take to do MBA? Frankly, not a lot. Just a bit of hard work to crack some of the most competitive exams in the world and an analytical mind and having good presence of mind to crack the interviews.

When should one do a MBA? Here people have two options. One is to take it immediately after engineering. The advantages are you are fresh and in the mould of studying. Younger people are found to be more chirpier in MBA classes (no official data for this, saying out of experience). It helps one to remould ones career if one realised early that engineering was just not his/ her piece of cake. The other option would be to do it after a few years of experience. Experience helps in getting jobs. MBA is a very practical course. Practical examples are used in classes more than books and the like. If I am to study about a marketing concept, I'll study it with a case study rather than refer to a 100 page book. The people with experience generally relate to live examples better.

Where should one do a MBA? A MBA can be done either in India or abroad. Most good schools abroad require anywhere between 2-5 years experience. With the exception of ISB, no Indian school makes it mandatory to have experience even though experience is preferred in every school. Do your research well. It is always advisable to choose a top 20-30 school in India. That is where the plum placements lie. One should not get fooled by the ads. Most schools that are advertising over the top are obviously not good schools. Also one factor that should be considered when going abroad is the amount of money one can spend. Most b-schools in India also are getting costly so choosing the right school is of prime importance. Here using websites like pagalguy.com helps. Having great networking skills is a manager's forte. So talk to people in the college. Students of the college (the frustrated souls) are always very forthcoming.

How does one get there? To get to most top schools abroad one should write the GMAT exam. GMAT has basically two sections-English and quant. English is really tough and one needs to do a lot of studying to do that well. Quant is relatively easy and should be easy to ace if one is an engineering student. This is followed by an interview call from colleges. GMAT scores alone do not matter for US universities. Students are asked to write a Statement of purpose and some essays with the admission packet. The CV of the student, what he brings to the table for the school, his GMAT scores, essays, recommendations from the faculty all matters to get into a high ranked school. Most Indian schools accept the CAT or XAT. CAT is the most common test taken by about 2.5 lakh students annually. CAT is now online and the pattern has changed considerably. To get a call from the IIM's one needs about 98 percentile in each section and to get a call from a top ranking college one needs about 92-93 percentile overall. Apart from CAT, there are also certain other tests held by individual colleges like NMAT for Narsee Monjee, FMS test, IIFT test. All are high ranking colleges and may be considered by looking at the pros and cons.

Finally, the most important question; Why does one want to do a MBA? There is no right or wrong answer to this one. Most students want to do it for a plum job. But that is not reason enough. A lot of my experienced friends landed in salaries lower than what they were drawing pre MBA thanks to the recession. One really needs to follow his heart on this one. If you think, you don't want to design a product, rather market it. Then a MBA is right for you. If you have been interested in understanding businesses, then MBA is right for you. If you think you can withstand 10-13 hr days in classes, assignments and research, then MBA is for you. Even if your reason is plain simple, getting a job other than an IT company; that should never be told in an interview. You should make the professor who interviews you believe that you love to learn and that the sky is the limit for you. How you do is well up to you.

I did MBA post engineering and I am proud that I did it in one of the premier institutes of the country. In today's competitive world just a graduate degree at times may not be enough. You may have the experience but just that extra in the academics column of your CV may stop you from progress which should have been yours. So whether you decide to do a MBA or any other course, think what you want to do in the future and how that degree will help you get closer to your future target.



Ankur Gupta

ECE/2007

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SOFT SKILLS: THE KEY TO SUCCESS

At a recent conference, a NASSCOM executive stated that only 15% of all professional students are employable. Why are the remaining 85% not employable? What makes the 15% of students employable? The answer is simple: the 85% have only technical knowledge whereas the 15percent have both technical knowledge and soft skills.

"Soft skills" refer to attributes and competencies that hike the performance and market value. A few of key soft skills are:

1. Listening Skills: Listening does not refer to simply hearing words, but the ability to understand, interpret, and evaluate what you hear. Listening involves controlling the urge to interrupt another speaker to present one's own views or ideas.

2. Proper Etiquettes: In simple terms, etiquettes mean "good manners." They can be cultivated through reading and practice. Not following the proper etiquette can damage the impression people have about you. For example, when you arrive late for a meeting, the client will consider you to be rude.

3. Esteem for Others: It is natural for every human being to demand respect. Be friendly to everyone, even the employee on the lowest position in the company, and respect their contribution. Be honest and authentic; people often sense fake expressions of kindness. Above all, value other's time.

4. Verbal Communication: Good communication skill does not mean the ability to speak using complex words in the dictionary. It is the ability to speak clearly, in simple and concise terms. While speaking, maintain a humble, confident, and positive tone.

5. Personal Grooming: Do you crib because the college expects you to wear spotless shoes or tuck your shirts in? Understand that every aspect of your dressing speaks a bit about you. Keep the most fashionable looks for parties and outings. At work, being dapper helps.

6. Emotional intelligence: Wikipedia defines emotional intelligence as the ability to identify, assess, and control the emotions of yourself and others. Employers reward positive people. At work, when negative feelings are ignited, choose to focus on the positive by controlling emotions and finding solutions.

Some of the above mentioned skills may come naturally to you; to develop others, you must intentionally spend time. Observe others; think which attribute of that person impresses you and follow it. Make use of opportunities like paper presentation competitions; participate in sports and cultural events. These activities will help you overcome fears and train you to present yourself before an audience.

In the end, only your soft skills will distinguish you and give you competitive advantage over your colleagues, which means success in your career and life.

By Annie Mariya-ECE/1999 Batch

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EXPANSION JOINT

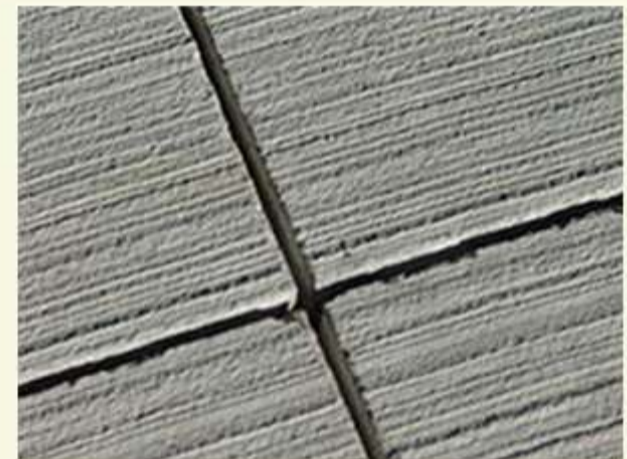
An expansion joint or movement joint is an assembly designed to safely absorb the heat-induced expansion and contraction of various construction materials, to absorb vibration, to hold certain parts together, or to allow movement due to ground settlement or earthquakes. They are commonly found between sections of sidewalks, bridges, railway tracks, piping systems, ships, and other structures.

Throughout the year, building faces, concrete slabs, and pipelines will expand and contract due to the warming and cooling through seasonal variation, or due to other heat sources. Before expansion joint gaps were built into these structures, they would crack under the stress induced.

The expansion joint can be as simple as a caulked separation between two sections of the same materials. More recently, expansion joints have been included in the design of, or added to existing, brick exterior veneer walls for similar purposes. In concrete and concrete block ("CMU") construction, the term applied is control joint, but serves a similar purpose.

Road / bridge control (expansion) joints

Control joints (often confused with expansion joints) are cut into the concrete or asphalt, and are different from expansion joints as shown in the photo. The joints are cut into the structure at regular intervals allow cracking to occur in a controlled fashion. Road control joints can be sealed with hot tar, cold sealant (such as silicone), or compression sealant (such as rubber).



Saw cut expansion joints in concrete.

Pipe expansion joints



Single sphere rubber bellows expansion joint, with flanges.



Stainless steel pipe expansion joint, with control rods.

EXPANSION JOINT

Pipe expansion joints are necessary in systems that convey high temperature commodities such as steam or exhaust gases, or to absorb movement and vibration. A typical type of expansion joint for pipe systems is a bellows which can be manufactured from metal (most commonly stainless steel), plastic (such as PTFE), fabric (such as glass fibre) or an elastomer such as rubber. A bellow is made up of a series of one or more convolutions, with the shape of the convolution designed to withstand the internal pressures of the pipe, but flexible enough to accept the axial, lateral, and/or angular deflections. Expansion joints are also designed for other criteria, such as noise absorption, anti-vibration, earthquake movement, and building settlement. Metal expansion joints have to be designed according to rules laid out by EJMA, while for fabric expansion joints only guidelines and a state-of-the-art description exists by the Quality Association for Fabric Expansion Joints.

Pipe expansion joints are also known as compensators, as they 'compensate' for the thermal movement.

Pressure Balanced Expansion Joints

Expansion joints are often included in industrial piping systems to accommodate movement due to thermal and mechanical changes in the system. When the process requires large changes in temperature, metal components change size. Expansion joints with metal bellows are designed to accommodate certain movements while minimizing the transfer of forces to sensitive components in the system.

Pressure created by pumps or gravity is used to move fluids through the piping system. Fluids under pressure occupy the volume of their container. The unique concept of pressure balanced expansion joints is they are designed to maintain a constant volume by having balancing bellows compensate for volume changes in the bellows (line bellows) which is moved by the pipe. An early name for these devices was "pressure-volumetric compensator".

Rubber expansion Joint Manufacturing

Wrapping fabric reinforced rubber sheets

Rubber expansion joint are mainly manufactured by manual wrapping of rubber sheets and fabric reinforced rubber sheets around a bellow shaped product mandrel. Besides rubber and fabric reinforced rubber sometimes also steel wires or metal rings are added for additional reinforcement. After the entire product is build up on the mandrel it is covered with a winding of (nylon) peel ply to pressurize all layers together before pressurization. Because of the labor intensive production process large part of the production has moved to eastern Europe and Asian countries.

Molded rubber expansion joints

Some types of rubber expansion joints are made with a molding process. Typical joints that are molded are medium sized expansion joints with bead rings which are produced in large quantities. These rubber expansion joints are manufactured on a cylindrical mandrel, which is wrapped with bias cut fabric ply. At the end the bead rings are positioned and the end sections are folded inwards over the bead rings. This part is finally placed in a mold and molded into shape and vulcanized. This is a highly automated solution for large quantities of the same type of joint.

Automated winding of rubber expansion joints

Lately new technology has been developed to wind rubber and reinforcement layers on the (cylindrical or bellow shaped) mandrel in an automated fashion using industrial robots instead of manual wrapping. The automated production with a robot is fast and accurate which provides a repeatable high quality. Another aspect of using industrial robots for the production of rubber expansion joints is the possibility to apply an individual reinforcement layer instead of using pre-woven fabric. The fabric reinforcement is pre-woven and cut at the preferred bias angle. With individual reinforcement it is possible to add more or less fiber material at different sections of the product by changing the fiber angles over the length of the product.

Expansion joint accessories

Liners

Internal liners can be used to either protect the metallic bellows from erosion or reduce turbulence across the bellows. They must be used when purge connectors are included in the design. In order to provide enough clearance in the liner design, appropriate lateral and angular movements must be specified by the designer. When designing an expansion joint with combination ends, flow direction must be specified as well.

Covers

External covers should be used to protect the internal bellows from being damaged. They also serve a purpose as insulation of the bellows. Covers can either be designed as removable or permanent accessories.

Particulate barriers/purge connectors

In systems that have a media with significant particulate content (i.e. flash or catalyst), a barrier of ceramic fiber can be utilized to prevent corrosion and restricted bellows flexibility resulting from the accumulation of the particulate. Purge connectors may also be utilized to perform this same function. Internal liners must also be included in the design if the expansion joint includes purge connectors or particulate barriers.

Limit rods

Limit rods may be used in an expansion joint design to limit the axial compression or expansion. They allow the expansion joint to move over a range according to where the nut stops are placed along the rods. Limit rods are used to prevent bellows over-extension while restraining the full pressure thrust of the system in the case that a main . Bellows Catalog: Limit Rod], U.S. Bellows, Inc. (retrieved 31 August 2010)

EXPANSION JOINT

Ducted air systems

Expansion joints are required in large ducted air systems to allow fixed pieces of piping to be largely free of stress as thermal expansion occurs. Bends in elbows also can accommodate this. Expansion joints also isolate pieces of equipment such as fans from the rigid ductwork thereby reducing vibration to the ductwork as well as allowing the fan to “grow” as it comes up to the operating air system temperature without putting stress on the fan or the fixed portions of ductwork.

An expansion joint is designed to allow deflection in the axial (compressive), lateral (shear), or angular (bending) deflections. Expansion joints can be non-metallic or metallic (often called bellows type). Non-metallic can be a single ply of rubberized material or a composite made of multiple layers of heat and erosion resistant flexible material. Typical layers are: outer cover to act a gas seal, a corrosion resistant material such as Teflon, a layer of fiberglass to act as an insulator and to add durability, several layers of insulation to ensure that the heat transfer from the flue gas is reduced to the required temperature and an inside layer.

A bellows is made up of a series of one or more convolutions of metal to allow the axial, lateral or angular deflection required (Note: If required).

Gopalakrishna.C

Senior Lead Engineer-Production Dept.

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A PERSONAL TAKE ON E-READERS VS PRINTED BOOKS

Waking up one morning, I sit at the table with my morning coffee and newspaper. My eyes look at the Kindle sales figures released by Amazon; it appears as if libraries will soon become extinct. I dread the idea of facing a world without books stores or the silence of a library.

Today, reading as a hobby has become accessible and cheaper with projects like Google books and Project Gutenberg offering free e-books that are out of copyrights. Years back, many readers would have spent a fortune to buy and own paper versions of the same e-books. The idea of my child going to school with a single e-reader than a backpack of books does sound appealing. Statistics show that reading at least 40 books a year on an e-reader also makes it a greener option. Kids too are captivated by the interactivity offered by e-books and want the Kindle as Christmas presents.

A PERSONAL TAKE ON E-READERS VS PRINTED BOOKS

But should I personally be afraid of the day e-readers take over libraries?

I flip quickly through the morning newspaper, and I smile knowing that the slow-responsiveness of e-ink may never allow me to speed read my digital version. I crush a page from an old newspaper to quickly wipe the coffee mark on the table and toss it into the trash can; I ask myself if e-readers are as bio-degradable as paper or will they add to the already unaddressed issue of e-waste.

My food stained cookbooks remind me that I have to be careful in bringing an e-reader into the kitchen. How will I ever correct the recipes with a pencil, based on my experiments?

Each old book in my collection has built an unique character over the years; the aged paper, the scribbling on the margins, and the delightfully red ribbon serving as a book mark bring back nostalgic memories, making for a total reading experience. Reading on an e-reader may be cheaper but it does not provide the sensory experience of a book. If it were not for printed books, how can I know what the person sitting across me on the metro is reading?

The absence of sensory pleasures is not the only limitations of e-books. There are more serious issues. The digital publishing world has still not figured out how to protect original versions or how to stop authors like Phillip. R. Greaves from flooding the market with self published e-books. There is still a need for back-ups and no dependable way of digitally archiving records of history or culture for our descendants. Publishers are yet to figure out how to control the distribution of their publications via digital medium. They do not know how to avoid estranging their customers while locking e-books to prevent sharing.

Such critical issues remind us that the world of e-readers is still evolving. It will continue to evolve slowly before it becomes totally fool proof. Only then, e-books and e-readers will be able to replace the libraries completely. This may take a decade or more; till then, I can happily have my fortnightly trips to the library.

Annie Mariya

ECE/1999

annie_mariya@hotmail.com

CAREER AT INDIAN AIR FORCE AFTER ENGINEERING

You can join the Air Force in the flying, technical or the ground branches

There are 4 levels of entry in IAF

- ▶ *Intermediate (10+2)*
- ▶ *Graduate (Non-Engineering)*
- ▶ *Engineer*
- ▶ *Post Graduate (Non-Engineering + Engineering)*

CAREER AT INDIAN AIR FORCE AFTER ENGINEERING

IAF – official website

<http://careerairforce.nic.in/home.html>

IAF – career opportunities

http://careerairforce.nic.in/career_opp/index.html

IAF – Eligibility criteria

http://careerairforce.nic.in/career_opp/caropp_officer.html

IAF – selection procedure

http://careerairforce.nic.in/career_opp/caropp_officer_selproc.html

IAF – physical / medical standards

http://careerairforce.nic.in/career_opp/caropp_officer_phystd.html

http://careerairforce.nic.in/career_opp/phy_std_fly.html

In a nutshell

Watch out for advertisements in the newspaper or in the internet.

Apply aptly. Rejections can happen at any point – right from applications to tests due to faulty inputs.

Have all back up duly maintained. Seek advice while filling up applications

Screening of applications will take more than a month to 6 months.

Then you have Preliminary Selection Board (sometimes may not) with certificates verification+ written test – ½ day session.

After that you have the Secondary Selection Board – 3-5 days session, where physical fitness also will be tested.

Following, you have Medical Screening Board – 3-5 days session, after which data verification at the addresses you mentioned will happen. Then we have to wait for the results.

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candidates may approach the undersigned for further details / information

Subject: Course Details

From: Naveen Sundarraaj/2011/ECE

naveensundarraaj@gmail.com

Dear All,

I am sending you the link which contains the description of my courses. Kindly go through them and tell me whether they are good and I can go for Integrated electronics. I have included the course details for digital systems also.

1. All the focus areas in my dept and the courses available for each quarter -
<http://www.rit.edu/programs/electrical-engineering-ms>
2. IE course description (Advance field effect devices) -
<https://register.rit.edu/courseSchedule/0301712>
3. (Mixed signal IC deisgn) - <https://register.rit.edu/courseSchedule/0301726>
4. (Advance carrier injector transistors)- <https://register.rit.edu/courseSchedule/0301711>
5. (Advance analog IC deisgn) - <https://register.rit.edu/courseSchedule/0301730>
6. DS course description (Deisgn of digital systems) -
<https://register.rit.edu/courseSchedule/0301650>
7. (Physical Implantation) - <https://register.rit.edu/courseSchedule/0301651>
8. (Deign for testability) - <https://register.rit.edu/courseSchedule/0301741>
9. (Advance Computer Architecture) - <https://register.rit.edu/courseSchedule/0301810>

The above links contain the description of the courses available for me in winter and spring session. Kindly go through them and please let me know whether the courses available for Integrated Electronics are good enough. Also if you find Digital Systems courses better than IE courses please let me know that too, but I am willing to go for IE mostly.

Thanking you.

From: Yuvaraj.S.V/2010/ECE

Graduate Student

Computer Engineering

University of Southern California, LA

Hello Naveen,

Could you reply us with the courses you have taken till now?

But as per your options, you can actually take:

Design of digital systems and design of testability.

But you should complete Advanced computer architecture for sure...this course has the things required for jobs.

FAQ FROM ALUMNI INBOX

From: Chaitanya/2009/ECE

chaitu_162@yahoo.co.in

Hello Naveen here is my idea of present Industry.

Digital Systems you can go with:

0301-650 Design of Digital Systems

0301 -741 Design for Testability

0301-651 Physical Implementations

In this both are good 0301 -741 Design for Testability will have good jobs in semi-conductor industry. 0301-651 Physical Implementations - if you have good labs go for this subject. practicing CAD tools helps you a lot in career. My suggestion is go for Digital Systems, only here you can have time to learn other subjects. I don't have better idea on Backend (Integrated Electronics)

Hope this will help you. All the very best have a bright future

Subject: Interview Tips

From: Gughan/2011/ECE

gughanece@gmail.com

Hi Madam,

I have sent d question that r asked in our batch software and core companies. I haven't sent much question on VLSI,DIP. I wil send that soon..... I also requested my friends,they wil send it soon. We hope the placement in our college wil stil be better than our batch. Thanking u very much.

Regards,

M.Gughan

D.Haresh

P.Karthik

Tata Elxsi Ltd.,

Software Companies:(TCS,Wipro,HCL)

Technical Interview:

- 1. Difference between uP & uC.*
- 2. Types of antenna.(horn,yagi uda,parabolic disc) Directional pattern*
- 3. What is an Op Amp*
- 4. Explain about Differential amplifier,Instrumentational Amplifier.*
- 5. Explain monostable,bistable,astable.*
- 6. Resistor connection in series,parallel.*
- 7. DB voltage source and current source.*
- 8. Transistor related questions.*
- 9. What is a pixel.*

The student should be aware of all the topic in the subject. They wont go in depth.

C Questions:

1. DB Structure and Union.
2. Programs on Fibonacci, factorial, concatenation, arrays.
3. Functions prototype and its Explanation.
4. Students must aware of double pointer, datatypes, printf and scanf.

Core Companies:(Tata Elxsi, Sanmina SCI)

Technical:

Electron Devices:

1. Why width of base, emitter, collector region varies.
2. Why transistor, diode name arrives? Transfer+resistor, Di+electrode and its explanation. equivalent diagram also.
3. Early effect, Thermistor, LASCR, LED, LCD.
4. Operation of SCR.
5. Thevenin's theorem, Norton's Theorem, Star to Delta Conversion.
6. Reason out question in capacitor, Inductor, rectifier, amplifiers.

LIC:

1. How to design a device for measuring water level in tank.
2. Sensor+VoltageFollower+Comparator+Potentiometer
3. In sanmina, they asked to derive transfer function for differentiator, Integrator, summing amplifier.
4. Circuit Diagram for Monostable, Bistable using transistor. And 555 timer.
5. Current mirrors.

Communication:

1. Coding Technics, turbo, Viterbi coding.
2. AM, PM, FM.

Project:

Student must be aware of their final year project.

(Platform, Programming Language, Hardware used, etc....)

MiniProject: (added Advantage)

Hints:

To crack software companies, basic concepts are enough with good communication skills. But in core companies, the Technical Interviewer has a list of subject in hand they rank based on his performance.

Project knowledge, Capable to answer reason out question, tendency to derive expression will ensure the core placement.

FAQ FROM ALUMNI INBOX

From: Kallam Sudarshan/2011/ECE/TCS
indiasudharshan@gmail.com

hai mam,,,,,how r u doing mam??

Regarding questions by tcs HR....

there was a column in tcs application, when we cleared the written test mam. There was a column about mini project mam. I have filled that with a project I did in IIT pune (i.e workshop on EMBEDDED SYSTEM & VLSI DESIGN IN ROBOTICS). later HR asked me some queries regarding the project.

The queries asked by HR -

1. What is u r project motive?
2. Which micro controller was used by u?
3. Which motor was used in u r project?
4. How did u program the micro controller & do u have knowledge about it?
5. What software is used in system to program the micro controller?
6. What did u gain through this project?

These were some questions mam. very basic questions mam. Main thing is mam, when we answer (r) express our views with HR, HR finds questions from our answer it self. if we go on saying something, more queries will be asked mam.

thanking u

sudharshan reddy

From: iswarya neerukonda/2011/ECE/TCS
iswarya.neerukonda@gmail.com

Questions:

DIGITAL ELECTRONICS: as area of interest the following were the questions asked by TCS

- 1) Design a nand gate using diodes?
- 2) Explain nand gate? 3) What is a diode? Explain its operation?
- 4) Explain the working of a transistor?
- 5) How will u explain the working of a transistor to your uneducated mother?

"For this question we can give an example like a pipe or water tap working"

ANTENNA'S: as area of interest... 1) What is the difference between LED and LCD?

- 2) Define antenna? 3) Types of antenna?
- 4) Antenna is present in the mobile or not??? If so how does it work?
- 5) Define Wavelength and Frequency?
- 6) What is Yagi-uda antenna?? Where is it commonly used? 7) Define radiation pattern?

VLSI: as area of interest.

- 1) About doping and fabrication

Don't remember the questions in vlsi exactly ... i ll find out from my friends and ll let u know tomm.....

Hope these questions r helpful...:)

Subject: Regd Miniprojects Links

From :M.N.Ananth/2010/ECE

ananthlion@gmail.com

Hi Mam,

How are you...I am fine...Hope the same from you..In TCS except travelling time everything is good...As time pass we guess we would

be accustomed to that too...I here by send some of the links which I had used.....

<http://iprojectideas.blogspot.com/2008/09/electronic-lie-detector.html>

<http://topprojects.blogspot.com/2008/01/university-projects-with-full.html>

and ofcourse efy that everybody knows

Subject: MBA Abroad

From: Deepak/2010/ECE

I would like to do MBA abroad...do u know any of ur frnds who did MBA abroad? if yes, pls snd their contact details. also snd ur valuable suggestions!

From: K.RAMAKRISHNA /2009/ECE.

ram_warrior99@yahoo.com

Hi Deepak,

By the way if you wanna know abt mba abroad. just login to Findmba.com orwww.educationuk-in.org, -----

for uk

www.educationusa.state.gov, this is for us.

From: Surya Chekuri

surya_thunder@yahoo.co.in

Hello,

You guys can contact Manoj Arun Kumar - 619-674-5678. He is doing his MBA in CA. I think he just changed his field to Software Engg. Even though no problem you can contact him.

Subject: Software for layout design

From: Leela Sai /2011/ME/VLSI DESIGN/TCS

leelasai.20@gmail.com

Dear sir

How r u sir ? I ll be joining TCS on 22 september :-) sir I need some information

Some of my juniors at R.M.K are doing their project in layout design.

Please help me with the software's for layout design...even the names of the software's will help us now...

please find some time for us sir...

regards

leela

FAQ FROM ALUMNI INBOX

From: Prof.Sivanantham S/VIT

Dear Leela,

Congratulation.

With regards to ur query on layout design software, I hope ur college is having mentor graphics software. If so, they can use the tool called "IC Station" for layout design. After drawing the layout design they can go to perform DRC, LVS and RCX using "Caliber" tool. All tools are from mentor graphics. Ask ur juniors to check whether these tools are installed in ur college.

Here are some details of free software:

1. The Electric VLSI Design System – free and powerful CAD system for chip design (schematics, layout, DRC, LVS, ERC, etc.) that runs on any platform (UNIX, Linux, Mac, and Windows).

You can download the software, manuals and other relevant files from the foll. link. Also some video lectures available from the same link.

<http://cmosedu.com/cmos1/electric/electric.htm>

2. LASI - windows based layout software. Pl refer the following link for more details.

<http://lasihome.com>

3. There are lot more tools are available like mirrowind, magic etc. Pl. refer the foll. links.

http://www.vlsitechnology.org/html/ic_software.html

Also L-edit tool from Tanner is yet another tool available. I think a copy is available with you.

The students can choose any one tool from the above list.

My order of preference in free software is Electric (since complete documentation, examples are available), LASi, Magic and mirrowind.

From commercial tool: Virtuoso from Cadence, IC Station from Mentor graphics and L-Edit from Tanner.

All the best.

With Thanks & Regards,

S.Sivanantham,

Assistant Professor(Selection Grade),

VLSI Division,

School of Electronics Engineering,

VIT University, Vellore - 632 014.

Tamilnadu, India.

www.vit.ac.in

GUEST LECTURES

Knowledge grows with sharing! Here is an instance of how our alumni enhance their knowlegde by sharing it with their juniors. Some samples:

| S.No | Date | Resource Person | Topic | Participants |
|------|------------|--|--|--|
| 1 | 22.03.2010 | Mr.Ratnakar Rao,ECE/1999 Blackberry, UK | Cellular Mobile Communication | Final Year ECE Students & RMK staff from ECE, EIE and CSE |
| 2 | 18.08.2010 | Mr.Rajesh,EEE/1999 M/s.Cognizant Technology Solutions | 'Evolve' Workshop | Final Year B.E / B.Tech and MCA students |
| 3 | 09.10.2010 | Mr.J.Amalan,ECE/1999 M/s.Mahindra Satyam Ltd., | "Interview facing techniques and Listening skills" | Final Year B.E / B.Tech (CSE, IT, ECE, EEE and EIE) and MCA students |
| 4 | 04.12.2010 | 1. R.Anand,ECE/2010 TCS 2. Monish Abhimanyu, ECE/2010 TCS 3. Saravana Bhupesh, ECE/2010 TCS 4. Naren, ECE/2010 ZOHO | Pre Placement Talk | Final Year ECE Students |
| 5 | 09.08.2011 | Ms.Leela Sai/2011 TCS | Pre Placement Talk | Final Year ECE Students |



First Distinguished AlumnUS Award Recipient, Mr.Ratnakar Rao/1999/ECE Delivering A Guest Lecture On "Cellular Mobile Communication"



Enthusiastic Participants/2010/ECE: Guest Lecture On "Cellular Mobile Communication"

GUEST LECTURES

Needless to say that they (alumni) are the real great source of information and knowledge to their juniors. Want to hear from their mouth? Here we go....

FEEDBACK OF THE FINAL YEAR ECE STUDENTS (2010 BATCH) about the SPECIAL LECTURE ON CELLULAR AND MOBILE COMMUNICATION

1. M.N.ANANTH

It was a knowledgeable session, and we are benefitted from the information given. I felt very happy to hear about SDR, our project topic, for which we were searching for information and this seminar enlightened us with the recent trends. It was real help. Since he has given us his mail id, we would contact him for further details and keep in touch with him. He has a nice smiling face, which made us feel fresh throughout the day.

2. SADHVI - *It was a really useful seminar.*

3. THEEBAN RAJ - *It gave us a great opportunity to improve our knowledge in communication area.*

4. JAGADEESH - *It was a useful seminar. All my long time doubts got cleared*

5. PRIYADHARSHINI - *The seminar was really informative.*

6. SHANTINI - *It provided us with a wonderful opportunity to learn some new concepts of mobile communication.*

7. SUBASHINI - *It was a pleasure to have our super senior in our campus.*

8. RIHARI RAJU - *Really it was very useful for us.*

9. KOTHAI

The session was informative. More sessions like this could be arranged. This would make us correlate and know what the industries do and what we study.

10. RENUKA DEVI

He is a very knowledgeable person. The session was very informative for us.

11. P.DIVYA

This session enhanced our knowledge. It was really useful. We felt proud to see our senior and we all got inspired that we also should come as chief guest to RMK one day.

12. D.JOTHI

I enjoyed the session. Though I am new to Cellular and Mobile Communication, I gained some knowledge about the basic concepts and this seminar enlightened us with what is happening in the industry. It was a good blend of the basic concepts and the recent trends.

GUEST LECTURES



EVOLVE Workshop



Mr. Rajesh/1999/EEE along with the Vice Principal during the EVOLVE workshop



CTS personnel addressing the final year students



Pre Placement Talk By 2010 Batch Alumni, Saravana Bhupesh/ECE



Pre Placement Talk By 2010 Batch Alumni, R.Anand/ECE, Monish Abhimanyu/ECE & Naren/ECE



Pre Placement Talk-Participants-ECE/2011 Batch



Pre Placement Talk-Participants-ECE/2011 Batch



Pre Placement Talk By 2010 Batch Alumni, Saravana Bhupesh/ECE

GUEST LECTURES



*Pre Placement Talk-Participants-
ECE/2011 Batch*



*Pre Placement Talk By 2010 Batch
Alumni, Monish Abhimanyu/ECE*



*Pre Placement Talk-Participants-
ECE/2011 Batch*



*Pre Placement Talk By 2010 Batch
Alumni, R.Anand/ECE*



*Pre Placement Talk-Participants-
ECE/2011 Batch*



*Pre Placement Talk-Participants-
ECE/2011 Batch Interacting With Their
Seniors*

MEMOIRS

1. RATNAKAR'S RANDOM MUSINGS

As I sat down to write this piece, apart from the nostalgia the other thing that glaringly struck to me is my age. I suddenly started feeling like an old dinosaur as I started thinking of my first few days as an engineering student at our alma-mater RMKEC. It all started in 1995 (guess our lot is one of the early beneficiaries of the economic liberalization unleashed by Narasimha Rao & Co in 1991) when we assembled next to a rice mill in Red hills for the inauguration of RMKEC. This "we" I mention is a heterogeneous lot. There were some of us who could not get an engineering admission in our native state either in our preferred stream or in any stream at all.

1. RATNAKAR'S RANDOM MUSINGS

My first few days in Chennai on my own have been very eventful. Some free advice I got before I boarded my train to Chennai was that I learn and use the phrase "yenaku Tamil teriyaadu" wherever required. In fact I did use this phrase a lot while searching for a dwelling to live until one learned soul advised me that "How come you are saying that you do not know Tamil in Tamil itself. Isn't it silly? You should rather be saying it in Telugu or Hindi or some other tongue". Valuable advice, indeed. Nevertheless all it took is three days before I decided that a hostel living is better suited for me rather than living on my own.

Hostel in those early days is a shapeless, formless thing. A house, a spare room in someone's house or a rice mill worker quarter - your hostel can take any of these shapes and there were strange names to designate where you live. It could be a well hostel, a mill hostel or a mess(no 'y') hostel and a few lucky girls stayed in a house that is simply called as the girls' hostel. 'Well hostel' implying a couple of rooms by a well was my abode initially, its speciality being that it has no toilet or bathroom on its own. We have to go and knock the doors of the 'old mess hostel' if nature beckons you late in the night or early in the morning.

*The fame of the college/hostel mess is already in the ascendancy by then. Every morning used to start with a jug of piping hot delicious coffee (its taste lingers on my tongue even to this day). The skilful team under Master Subbaramiah made every meal and every snack worth remembering and from then on once could have had many issues with the college but food was not one of them. Engineering education already took-off in the make shift classrooms and was going on very well. As a bonus we got to learn some great English phrases (no, not in the English class) like "caught will chairman, what will do" (short form for 'If Chariman catches you doing this act, what will you answer him')
"All outstanding students come in" (short form for ' students standing out of the class room can come in')*

Phrases like these stayed on with me over the years and have been great stress busters. Weekends were much awaited for two reasons, one it's the biryani day in hostel and two its time to enjoy the precious day out with new found friends. Many of us used to be back in the hostel before it was dark. However there were some naughtier ones who used to return late in the night only to jump the walls and sneak into the hostel as the door gets locked after dinner. On one occasion one friend who got caught by the warden had a name which rhymes with mine. For a full year I have to face the ignominy as at every encounter chairman used to ask for my name and on hearing it used to say, "oh! you are the one who jumps the wall at midnight, have you got any better?"

PS: As I started writing, I realized that time is running out quickly even as I could only pen my memories of the very first days at college. God knows how long it will turn out to be if I serialize the events and happenings over the four years at RMK. Watch this space...

*Ratnakar Rao/1999/ECE
Research Analyst
Black Berry, UK
Contact: ratnakar_r8@yahoo.com*

2. MY CHRONICLE

Hi this is M.Indumathy. I am from a lower middle class family with the very common intention to carry the burden of my beloved father. I have completed my schooling in a very small school. In 12th I secured cut-off mark of 193.75 out of 200 and I got into R.M.K engineering college. When I entered into the institution for the very first time I was surprised to see such an infra structure, green campus and off course, food. If I didn't secure mark in 12th, I would never imagine entering in such an engineering college. Maybe I would have just completed some B.Sc course. With God's grace and parents support finally I entered. The rules of R.M.K were very easy for me to follow because my school rules exactly matches with R.M.K. These rules are not only rules but also our culture. In the modern world our institution makes us to grow unique with good character and discipline. I was surprised to see our beloved chairman saying "vanakam" to each and every student on the very first day of our college.

In the first year I really tried to speak English for the very first time because we have to mingle with other state friends and staff members. And each and every day went with a new experience and challenge. I got a very good friend's circle and I learnt how to make friends. In the second year I entered into Electronics and Communication department building and I thought it would be really hard to study and understand the stuffs but all the subjects were really interesting mainly all the communication related subjects were really good. And one real interesting thing in our college is, there is no communication gap between student and staff. They conveyed their own experiences and advises to students and also they tried to fulfill our needs by conveying to higher officials to take necessary steps. Regularly our college is conducting counseling to students and also class committee meetings. I have been a class committee member for four times.

I wrote preliminary exam for Infosys campus connects, then I was selected for that and I was the only girl from section A. This program went for two semesters and I was supposed to attend that after 3.00 p.m and during that time I learnt how to manage the time because I had to go home nearly at 6.00 p.m. I have taken many seminar classes and I never left a single chance. That experience was so different because every one notice what you are doing and we need to be perfect. I went for three implant training programmes to concerns like BSNL, Doordharsan and southern railway. This training taught us how we should think like professionals. I have done a mini-project at the end of second year but to say the truth I did it through a project center. During that occasion I made a decision to do my final year project in college. I have presented technical papers inside and outside the college. All these experiences were great because experience makes a man perfect.

In my 3rd year, SMART training program was conducted for us to enable us to take part in campus placement. I really thank our Chairman for arranging such a program to us and he has organized many orientation programs for student carrier development. We went to eleven industrial visits and that helped me to experience the technology lively. We enjoyed each and every trip to industrial visit. We have organized symposium and I have organized circuit debugging. During collection of some questions for the event, we learnt many new things which I never learnt before. I represented my department in the stage during the symposium. Staff members and friends appreciated me for the nice speech. It was a great compliment for me to go ahead.

2. MY CHRONICLE

After the 7th semester exam we hardly had 10 days to prepare at home for the placement. Those 10 days we spent for material gathering and we solved problem together and many telephone calls were made to clear our doubts. And the day came for me i.e. on Dec 10 2010. Obviously TCS was the first company to come. After completing each and every round we had discussion of our experience with friends in the waiting hall. In the last round, for me it lasted for nearly 25 minutes, it was a pure H.R round. They asked me completely whatever I had written in my resume. So a good resume preparation is a must. My resume helped me enough to success that round; I was 1 among 268 to be placed in TCS. Overnight we have waited for the result. The result was announced round 1 a.m. and after that buses were arranged for us to go home. We all sat in the buses with a silence because many of my friends were not selected. Their pain really made me sad. During that time our chairman came to all the buses and gave sweets with his hands. It was a proud and touching moment. My father waited near the bus standing for me and I saw happiness and a beautiful smile on his face which I have never seen before. The next day he gave treat to the neighbors and office friends and he enjoyed a lot.

Our batch is really lucky because we are the first to have no entrance examination after 12th, we are the lasts to have non- semester pattern in first year, we are the last to have mark system also and the recruitment was huge during our period (2010-2011). In the final year nearly all eligible candidates were placed and we entered in the class room with full of happiness and enjoyment. That was more advantage for us, no pressure nothing, we spend lot of time in writing slam, chatting, enjoying etc. then we really felt bad in that last day of our college. But I and my two friends were regular to college because we did our project in college. So we have to come to college regularly. For the very first time we entered the research and development center for doing project and many professors and staff members of my department helped and encouraged us to complete the project in time. We did our project in RECONFIGURABLE FFT PROCESSOR FOR TRANCEIVERS. This was new to us and very challenging experience too. We have done this project stage by stage and we went for SAMEER organization to know more about FFT. My friends became closer to me during the project period and we got nice time to spend with. Finally we presented our project and the external said that our project is very worthy and good one and she appreciated us. Then we got 200/200 for project. And our project was published in national conference "NVESCOM 2011". Finally I have completed my graduation successfully. I always never want to miss the class and I got prize for full attendance from 2007-2011 in our college. I felt a professional growth in myself throughout the four years. Each and every day of my college life is still very close to my eyes. I also became matured to deal with the problems and identify better solution. This is my college experience. Hope my experience would be useful for some of my juniors.



M.Indumathy/2011/ECE/TCS

email id: indubama@gmail.com , indumathy89@yahoo.in

3. EXPECT THE UNEXPECTED

Actually R.M.K Engineering College was not my option in my counseling schedule because I know about our college earlier. So, I was very confident and sure not to choose this college. I had my counseling in morning 7'o clock batch. So, day before night I sat in net and browsed for colleges. Really I was amazed. Our college seats were opened only on day before my counseling and almost all seats were over in almost all departments. And I can found only 6 seats in ECE department. At last my dad only chose this college and when I picked only 2 seats were remaining.

Finally I came to college to attend fresher day function. I was shocked. When I entered auditorium, nathaswaram Kacheri is going on. Is this a song to be played in college? Shocking news awaited me. On first day itself my Chemistry mam took class.

Our first year class was small. I am very glad to say that our gang has been last bench students. To say frankly first year was like hell. We should not roam any where, should not bunk classes, should come to class on time after tea break, should not talk to boys, etc. In our first year, we had only one semester. So we got chance to learn slowly and enjoyed a lot. Teachers motivated us to take seminars and we also got out of stage fear.

Second year came. We entered into our department block. New class. It was so big. HOD sir will often come and motivate us. HOD sir often used to say "your HOD is there for you". So we as students usually feel at home. Since from second year we are in our department, we can meet our staff members during free time and let our doubts get clarified. Staff members are really so dedicated and they are ready to help students at any point of time. Often test were conducted and it was useful for us to prepare for university exams.

In third year, class was spitted into 2 sections. Our tough time started. All subjects are tough and very important also. We started preparing seriously and we got through it successfully. We have produced good results in fourth semester. So HOD sir motivated us to do the same in forth coming semesters also. The Teachers guidance and their motivation helped us a lot to get through our tough subjects. Even though our staff members are strict, it's for us only. But usually we won t realize this at that time.

In final year, we organized our department National level technical Symposium. We have conducted this event successfully. In our batch, we have attracted more number of students from various different colleges. And we have been appreciated by our HOD and by our staff members for our work.

In our college, sports day and college day were conducted. It was a very grand event and we enjoyed lot. In sports day, our orchestra students performed excellently. We will never miss these events. Last but not least, delicious RMK food. Especially Tuesday briyani. No one will miss in our college. Students will never absent themselves on Tuesday.

3. EXPECT THE UNEXPECTED

Initially I feared to join this college. But now I feel very proud to say that I am an alumna of R.M.K Engineering College. Our college is known very well for discipline and placements. Discipline, good & positive attitude and Excellency in studies-these are the qualities of RMK students and that is the reason why corporate are interested in our college. Really corporate are comparing RMK students with Anna University, MIT students. In companies, our college students are put in training along with Anna University students. This is the position where corporate keep us. Thanks to every soul which made this possible!

BE PROUD TO BE RMKIAN

Sowbhagya/2011/ECE/TCS
sowbhaskaran@gmail.com

4. REAL EDUCATION

My greatest part of growing up in life is making the right choices that benefit me in the future. Youth is that phase of life where our dreams are built & bright future is foreseen. The idea for my bright future is to get an education so that I can choose a suitable career, have a hope, and reach my goals. Me & My parents were in search of quality & moral educational institutions for my under graduation & made a right choice in this phase i.e. selecting a place having good discipline, punctuality, good developing skills, moral skills, technical stuff, loyal staff, hard working management. Later on when I was in the institution, I have faced different experiences in the institution.

The fundamental purpose of education is to gain knowledge. In our institute along with knowledge I have started thinking & implementing how to study, how to create opportunities, how to communicate & especially how to behave & respect. Here itself I have developed my confidential level from ground level to some considerable extent. The institute created environment by organizing national level symposium by the respective branch students & encouraged us to attend the symposiums, workshops & other activities. Even I took an opportunity given by our institute i.e. me & my friends together attended national workshop conducted by IIT pune & also management gave financial refund for attending, this is an example that our institute encouraged us in that manner. These opportunities were given to us for developing technical skills.

The education to youth should give them a sense of social awareness. Our institution encouraged students to do social welfare programmes such as donating blood, funding to orphanages etc. when we were in the final year hostel, we formed a group & everybody joined hands for the cause. We have started this for the first time in our institute i.e. collecting money to orphanage & guided our juniors to do the same & continue. I felt proud in my life, for doing something to others as I was a part in such a social cause. Even this I learnt from our institute. We have to thank our management for supporting us.

Management plays very important role in our institution. Management provides the best food & maintains cleanliness. Management creates opportunities to every eligible student for their placement. Me & my friends, almost everybody got placed. This is the interest of management towards the students. This is what our institute is about, till now I have shared very few there are many more things about the institute. The institute that has these many characteristics is none other than RMK ENGINEERING COLLEGE. I whole heartedly say that I am proud that I am from RMK.

4. REAL EDUCATION

"The final motto of an education is to create good human beings. I strongly believe that education in RMK makes career decisions and begin the pursuit of one's goals & creates good human beings".

*Kallam Sudharshan /2011/ECE
Email: indiasudharshan@gmail.com*

5. EERAMANA NINAIVUGAL

Heaven; abode of the Almighty- a very beautiful and a pleasing place where all human beings wish to live. But it was said that it could be reached only after "death" that too to good deed persons only.

But we the RMKvians were blessed to live in heaven for 4 years. Yes, the heaven for us was our "rmk" college campus. Whole heartedly am declaring this statement and surely this is not for a namesake. Really am blessed with good parents, an adorable sister and a sweet brother, even my school is another heaven and my college too. So am sure that I ll be blessed with a great future also. This paragraph is to give thanks to GOD who made me to live in heaven so far and I believe that hereafter tooooooooooo.

In an overall statement I can say my college as a well disciplined, greenish environment where everybody right from students to lectures to non teaching staff members strictly adhere to time.

And this is the time to share about the most important part of my college life that is about my soul mates. FRIENDS: the people whom a person cannot miss in the world. In this regard, I was many times astonished by the unity that prevailed in my class. Eventhough some problems happened some time but we healed it within a week. (This was added to the crown of ECE department).

Coming to staff members (well wishers), they really back us up not only in our academic but also in other activities such as dance, singing, projects. This really made me and encouraged me to do my final year project inside the campus itself and atleast we succeeded in that. My project centre is my dsp lab and my project guide is not a single person to mention it includes all my ece department staff members and our lab technicians too. Am really so much proud to say that I did my project as my own where all my staff members were behind my success not only my staff members my beloved HOD too. He gave permission to use the lab whenever it is necessary and the net centre which was a backbone for our project reference, where we have facility to search for all IEEE papers. And am proud to say that I did my project under the guidance of Dr.RAMASAMY sir who dedicated his precious time for us. He used to teach us everything in that project and make us to do by our own. We struggled a lot at that time but frankly to say we learnt our four years course in that single project itself and am very much thankful to ramasamy sir and all other staff members. Am taking this as an opportunity to tell my juniours do their project in my project centre (your department!) itself really you people will gain experience like us.

Last but not least am really missing my heaven ,my soul mates and my well wishers too and am begging to all our staff members please dont forget 2011 batch.

**WITH TEARS,
R.JAGADEESWARI,
J.JANANI SRI,
L.DIVYA**

jagao4@ymail.com, 9884588365

LAUDABLE LAURELS

1.SUPER SANDHYA!

Clearing 6 theory courses in a semester itself is a big deal for many of the Anna University students. But one of our fresh alumni, Sandhya/2011/EIE cleared nearly 12 theory courses, not just with a mere pass mark, but with an overall 80% aggregate! Wondering why this is a big achievement? Read further.....

Like most of us, Sandhya was also preparing very sincerely for her sixth semester Anna university exams during her study holidays, when suddenly one of her friend called her to ask for some notes. After searching for a while, Sandhya realized that she also didn't have that particular topic notes. So, both the friends started out to get the material Xeroxed from another friend. Everything was normal until the notes was Xeroxed. On their way back home, Sandhya's scooty skidded and gave way for a fall when they were coming down from a bridge! Alas! Sandhya's right palm got badly injured to the extent that it needed an operation. In the meanwhile, the doctors advised her to take complete rest and informed her that she cannot write any exam with that hand.

To add fuel to the fire, Sandhya's first operation was not a success...This shattered Sandhya's hope of writing the exams in sixth semester itself!

Sandhya had written many exams, but the one she enjoyed was writing exams for the blind people. That too she was jumping with joy when she learnt that one of the blind girls for whom she wrote the exam got a state rank in the board exams. Now the hand which she used for others could not be used for her exams. When you help others, will the Almighty not help you? Of course Sandhya got help from above.

"When the going gets tougher, the tough gets going!" All her faculty members, her HOD and her friends encouraged her to take up the exams during the next semester. With their support and motivation...(that's how she describes her achievement!) Sandhya came out with flying colours in all the 12 subjects! Now you all will agree with me in saying, "Superb Sandhya!"



2. SKY IS THE LIMIT!

RMKians always aim high! Here is an instance for that! People like Dr.Kalpana Chawla went to explore the space. They went boldly to places where no men have ever gone before! But without space vehicles and satellites, this herculean task cannot be accomplished! Ok, ok.. What's the big deal? How is this related to our alumni? Our RMK alumni, M.Jayabalaji, M.N.Ananth and D.Jairam all belonging to 2010/ECE did a fabrication of S-Band micro strip filter under the guidance of renowned scientists in SAMEER! (The SAMEER Center



for Electromagnetics, Established in 1983 by the then Department of Electronics (DOE), has been in the forefront of research and development activities in the area of Electromagnetic Interference and Compatibility in the country.) And the good news is the filter they designed was an integral part of one of ISRO's recently launched satellite. For RMKians "Sky is the Limit!" or should it be "Galaxy is the limit!"

2. SKY IS THE LIMIT!

The SAMEER Center for Electromagnetics has been in the forefront of research and development activities in the area of Electromagnetic Interference and Compatibility in the country. Established in 1983 by then Department of Electronics (DOE), the Center for Electromagnetics is an autonomous R&D laboratory under Department of Information Technology, Ministry of Communication and Information Technology, Govt. of India. Apart from EMI/EMC, the center also works in the related areas of RF Communication, Digital Communication Systems, Antenna Research and Development, Electronic Packaging etc.

The center is accredited by the NABL in accordance with ISO/IEC 17025 for its EMI-EMC Services. The center is also FCC listed and recognized and accredited by various international bodies such as TÜV Rheinland, TÜV SÜD, Det Norske Veritas (DNV), EMITECH France, Intertek, Canadian Standards Association (CSA), Underwriters Laboratories Inc. (UL) etc. The International Association for Radio, Telecommunications and Electromagnetics - iNARTE has recognized SAMEER-CEM as the test center for conducting the iNARTE EMC and ESD Certification Tests.

With its vast experience and the state-of-the-art infrastructure, complemented by the team of dedicated engineers and technicians, the EMC Division of the center also offers comprehensive test and design solutions, consultancy, training and research services to Indian and International agencies and industries.

The major activities in the division covers:

- *EMC Research and Publication*
- *Evolving EMC Standards and Test Specifications*
- *EMI Prediction, Analysis and EMC Design Consultancy*
- *EMC Design of Electronic Products and Fixes*
- *EMC Training and Education*
- *Electromagnetic Interference and Compatibility (EMI/EMC) measurements*
- *Electromagnetic Ambient Field Measurements*

SAMEER-CEM has been in the field of Electromagnetic Interference and Compatibility for the past Eighteen Years. Serving industry in Applied R&D, Testing, Design consultancy & Training, the Centre had been constantly enhancing its services. It has several other related services like Communication, Antenna, Electronic Packaging. ISO 9001 : 2000 Certified for its EMI-EMC Services, Centre now offers its support to Industries in various aspects of Electronic Product Development. Product Testing, Systems Design and Development. The main activities are in the area of

- ▶ *Electromagnetic Interference / Electromagnetic Compatibility (EMI / EMC) testing, evaluation & design consultancy,*
- ▶ *Communication system planning, design execution of turnkey projects.*
- ▶ *Antenna design, development & testing.*
- ▶ *Electronics Cooling & Thermal evaluation and Design Consultancy*

COMMUNICATION SYSTEMS DIVISION

SAMEER-CEM works towards establishing a reliable communication

< A communication that never fails against any odds. >

SAMEER-CEM Communication Services Cover;

- *Communication Link analysis and budgeting*
- *Overall Communication Network Design*
- *Development of Communication Systems*
- *EMI analysis and EMC Design in Communication*

SAMEER-CEM aims at total Indigenous Systems Design and Development for import substitution.

SAMEER-CEM takes up design for manufacturing of various RF and IF sub systems, modules and circuits.

SAMEER-CEM has rich experience in handling projects in the areas of

- *Communication Network*
- *Communication Systems*
- *Communication Products*

3.JUBILANT JAGADEESH

Life is not easy for a Non CSE student who joins a software concern! Because they have to make a total shift from one field to another field. Only few lucky souls get a domain related to their specialization. Here is an alumnus who has proved that RMK alumni would do wonders even in a totally new technology! That is none other than our Jagadeesh.R.B/2010/ECE.

C, PHP, Javascript, MySQL, networking, web development, animation graphics, etc., All these appear like Greek and Latin for non CSE students. But this alumnus has an expertise in all these languages. Did he attend any classes or courses? No! Not at all! When the department symposium was hosted, he wanted to host a website for it. Instead of giving this job to some CSE guys, he thought of making a try...and it turned out well! Out of interest he started learning new ways and means for designing websites. And by the time he graduated out, he had nearly 7 orders for website designs! He is the one who designed our alumni website which is linked with our college website.

To do justice for his field of study, he did his final year project, "Fault Detection in Hot wire (Electrical wire) using GSM" in the department itself. This project saves human life from electrical danger by providing the fault detection on the electrical wire and automatically stops the electricity to the damaged line and also conveys the message via GSM to the electricity board to clear the fault on the hot wire. Hail Jagadeesh for all the jubilant contributions!

4. SABAASH SABARI EASWARI!

As soon as we finish a degree, the thought that strikes in a fresher's mind is, 'lets settle in a good job!' But RMKians are always different in thinking! They are job creators rather than job seekers! Our alumni, Ms.A.Sabari Easwari/2010/MCA was determined to create jobs for others! She became an Entrepreneur! Also she visits our campus often to enlighten her juniors with the knowledge and experience she has gained. With such alumni, RMK is sure to reach much greater heights.

5. SPECTACULAR SARANRAJ

Here is another guy who has followed the footsteps of his senior, Jagadeesh! That is none other than Saranraj/2011/EIE! He also designed a website for his department symposium and became a free lance website designer! He didn't stop with the websites. Saranraj wanted to serve the society, so he designed a computer input device for the visually challenged people using a special type of sensor known as Wearable sensors. This work got selected in an international conference, ICCAE. He also presented papers in IEEE! He is an integral part of Sparks, a charitable trust started by a group of likeminded college students who always dreamt of weaving a change in the society. With such RMK alumni around, definitely we can change the world and make it a better place to live! You can catch him at: 9884-700-199.



6. HATS OFF HARISH!

It is easy to get an appreciation from friends, parents, and even from teachers! Is it possible to get one from an employee? Even if they recognize, many of them will never appreciate openly! But RMK alumni are always unique in their work; they make a point to steal the show wherever they work! They get a pat for their dedicated and disciplined work! Here is an instance...

Consistent performance, Hardworking, Good Communication skills, Active learner, Focused, Positive attitude, Enthusiastic, Well groomed, Courteous, Well organized, Interactive, Good team player, Helpful Wait, wait,..dont skip this section! We are not listing the requirements or some vocabulary! This is the list of achievements enlisted by the employee of Harish.L/2009/CSE! No wonder he is bestowed with the TCS GEMS AWARD! Hats Off Harish!

RMKEC ALUMNI BEST PROJECT AWARD WINNERS

Project, an important phase of a student's life! It is a transition period...It turns a student into a professional! This is the phase where a student can apply the knowledge he acquired throughout his course and implement his ideas. So the RMKEC Alumni Association has decided to honour such top innovators and achievers. Here are the projects selected for the RMKEC Alumni Best Project Award!

- ▶ **BE/CE: Title: STUDY OF MECHANICAL PROPERTIES OF GEOPOLIMER CONCRETE;**
Winners: T.GOWTHAMI
SUNAINA SUCHITH
G.BHUVANESHWARI

RMKEC ALUMNI BEST PROJECT AWARD WINNERS

- ▶ *BE/CSE: Title: EFFECTIVE DYNAMIC CAPTCHA IMPLEMENTATION ;
Winners: B.THILAK RAJ, S.SRIGANESH, H.GAUTHAM*
- ▶ *BE/ECE: Title: RECONFIGURABLE FFT PROCESSOR FOR TRANSCEIVER;
Winners: S.A.ANAPAGAMINI, M.INDUMATHY, J.LAKSHMI KUMARI*
- ▶ *BE/EEE: Title: COCKPIT WHITE BOX;
Winners: S.SURAJ, P.PUSHKARAN, S.SRINIVASAN, S.THIRUMALES*
- ▶ *BE/EIE: Title: WIRELESS KEYBOARD WITH MOUSE AND SOFTWARE APPLICATION FOR VISUALLY IMPAIRED;
Winners: SARANRAJ A, SAI VARRADHARAJAN R K, SATHIESH M G*
- ▶ *BTech/IT: Title: MULTILEVEL AUTOMATED VEHICLE PARKING PROTOTYPE IN A CYLINDRICAL FRAME;
Winners: DEVANAND R, GOPINATH V, JAGANATHAN S*
- ▶ *BE/Mech: Title: DESIGN AND ANALYSIS OF BALLAST SYSTEM OF FIGHTER CLASS AIRCRAFT;
Winners: PRASANNA VENKAT, VIJAY SRIVATSAN.T, HARSHA.R*
- ▶ *ME/APE: Title: ANALYSIS OF GENOMICS USING DSP TECHNIQUES;
Winner: M.EMIMAL*
- ▶ *ME/CSE: Title: SECURE & ROBUST LOCALIZATION IN SENSOR NETWORKS;
Winner: A.V.KALPANA*
- ▶ *ME/PED: Title: PARELLELING OF N+1 INVERTER USING DSP PROCESSOR ;
Winner: B.GNANAKUMAR*
- ▶ *ME/PDD: Title: ANALYSIS OF VOICE OF CUSTOMER FOR WATER PURIFIER;
Winner: BRINDHA.S*
- ▶ *ME/VLSI DESIGN: Title: VLSI IMPLEMENTATION OF VARIABLE BLOCK SIZE MOTION ESTIMATION IN H.264 USING DIAMOND SEARCH ALGORITHM;
Winner: G.HAARINIKUMARI*
- ▶ *MBA: Title: A STUDY ON ROLE OF HUMAN RESOURCE INFORMATION SYSTEM (HRIS) IN STRATEGIC HUMAN RESOURCE MANAGEMENT ;
Winner: MR. M.SATHISH KUMAR*
- ▶ *MCA: Title: CARTOWEB3-WITH VARIOUS PLUGINS AND ENHANCEMENTS OF TOOLS;
Winners: V.K.RAJESH*

RMKEC ALUMNI ACHIEVERS AWARD WINNERS

- ▶ *Work Done: Student ID Card design for RMK,RMD,RMKCET*
Done By: K.Ramesh, Sudharshan, Sivakumar 2007-2009/MCA
- ▶ *Work Done: RMKEC ALUMNI Website*
Done By: Jagadeesh.R.B./2010/ECE
- ▶ *Work Done: Low Power Testing By Selective Pattern Compression Schemes*
Done By: LEELA SAI, 2011/ME VLSI DESIGN

UNIVERSITY RANK HOLDERS

| S NO | S NO | REG NO | STUDENT NAME | % OF MARK | RANK |
|--|------|-------------|------------------------|-----------|------|
| B.E - CIVIL ENGINEERING | | | | | |
| 1 | 1 | 11307103008 | DURGA G | 86 | 10 |
| 2 | 2 | 11307103015 | KARTHICK M | 85 | 15 |
| 3 | 3 | 11307103022 | MANIKANDAN K | 85 | 17 |
| 4 | 4 | 11307103025 | NARESH KUMAR M | 84 | 24 |
| 5 | 5 | 11307103010 | HARINI S | 83 | 42 |
| 6 | 6 | 11307103003 | BINDHU PRIYA P S | 83 | 44 |
| 7 | 7 | 11307103038 | TANAPPA REDDY GAUTHAMI | 83 | 45 |
| B.E - COMPUTER SCIENCE AND ENGINEERING | | | | | |
| 8 | 1 | 11307104102 | THILAK RAJ B | 87 | 26 |
| 9 | 2 | 11307104035 | JANANI B | 86 | 41 |
| 10 | 3 | 11307104034 | JAISHREE R | 86 | 44 |
| 11 | 4 | 11307104075 | PRAVEEN KUMAR S | 86 | 45 |
| B.E - ELECTRICAL AND ELECTRONICS ENGINEERING | | | | | |
| 12 | 1 | 11307105048 | SINDHUJA M | 88 | 16 |
| B.E - ELECTRONICS AND COMMUNICATION ENGINEERING | | | | | |
| 13 | 1 | 11307106014 | BHUVANESHWARAN S | 90 | 3 |
| 14 | 2 | 11307106109 | UMA K | 88 | 13 |
| 15 | 3 | 11307106095 | SOWBHAGYA B | 87 | 28 |
| 16 | 4 | 11307106006 | ANUDEEP M | 87 | 39 |
| 17 | 5 | 11307106008 | ARULKARTHICK K | 87 | 40 |
| 18 | 6 | 11307106103 | SUPRAJA M V | 87 | 48 |
| B.E - ELECTRONICS AND INSTRUMENTATION ENGINEERING | | | | | |
| 19 | 1 | 11307107048 | SAVITHA S | 88 | 3 |
| 20 | 2 | 11307107020 | KANSAL MARIAM BANU S | 86 | 18 |
| 21 | 3 | 11307107023 | MADHAN KUMAR G | 86 | 19 |
| 22 | 4 | 11307107002 | ARCHANA K S | 85 | 23 |
| 23 | 5 | 11307107045 | SARANYA S | 85 | 24 |
| 24 | 6 | 11307107017 | JENNIFER DAISY D | 84 | 30 |
| 25 | 7 | 11307107006 | BANUPRIYADARSHINI K | 84 | 39 |
| 26 | 8 | 11307107026 | NANDINI M | 83 | 41 |
| 27 | 9 | 11307107038 | ROHISHA A | 83 | 48 |

UNIVERSITY RANK HOLDERS

| B.E - MECHANICAL ENGINEERING | | | | | |
|--|------|-------------|------------------------|-----------|------|
| 28 | 1 | 11307114047 | SURESH P | 88 | 4 |
| 29 | 2 | 11307114018 | JYOTHI PRAKASH D | 86 | 30 |
| 30 | 3 | 11307114050 | VAIDHYANATHAN V | 86 | 30 |
| B.Tech - INFORMATION TECHNOLOGY | | | | | |
| 31 | 1 | 11307205087 | SARENYA SREVARSHINI S | 90 | 5 |
| 32 | 2 | 11307205075 | RAJALAKSHMI P | 87 | 26 |
| 33 | 3 | 11307205093 | SOUNDHARYADEVI K | 87 | 29 |
| 34 | 4 | 11307205116 | YAMALA DEVI V | 87 | 31 |
| 35 | 5 | 11307205100 | SWAPNA DAVID | 86 | 40 |
| MBA - MASTER OF BUSINESS ADMINISTRATION | | | | | |
| S NO | S NO | REG NO | STUDENT NAME | CGPA | RANK |
| 36 | 1 | 11309631048 | SUNITHA K | 8.567 | 6 |
| 37 | 2 | 11309631043 | SATHYA NARAYANAN N | 8.378 | 16 |
| 38 | 3 | 11309631024 | MOHANA SUNDARI T E | 8.378 | 16 |
| 39 | 4 | 11309631042 | SATHISH KUMAR M | 8.367 | 17 |
| 40 | 5 | 11309631025 | MONICA G | 8.289 | 24 |
| 41 | 6 | 11309631056 | VIJAYA LAKSHMI R | 8.267 | 26 |
| 42 | 7 | 11309631034 | PRAVEEN R | 8.267 | 26 |
| 43 | 8 | 11309631038 | REVATHI S | 8.244 | 28 |
| 44 | 9 | 11309631012 | DIVYA J | 8.111 | 40 |
| 45 | 10 | 11309631013 | GAYATHRI P T | 8.111 | 40 |
| 46 | 11 | 11309631053 | VANITHA G | 8.078 | 43 |
| 47 | 12 | 11309631001 | ABHILASHA S | 8.067 | 44 |
| 48 | 13 | 11309631010 | CHITHRA R | 8.011 | 49 |
| MCA - MASTER OF COMPUTER APPLICATION | | | | | |
| S NO | S NO | REG NO | STUDENT NAME | % OF MARK | RANK |
| 49 | 1 | 11308621054 | ROOPA S | 88 | 12 |
| 50 | 2 | 11308621053 | REVATHI V | 87 | 24 |
| ME - APPLIED ELECTRONICS | | | | | |
| S NO | S NO | REG NO | STUDENT NAME | CGPA | RANK |
| 51 | 1 | 11309401001 | AARTHI R | 9 | 1 |
| 52 | 2 | 11309401006 | EMIMAL M | 8.853 | 4 |
| 53 | 3 | 11309401012 | RAJALAKSHMI S | 8.824 | 5 |
| ME - VLSI DESIGN | | | | | |
| 54 | 1 | 11309419003 | LEELASAI M | 9.044 | 1 |
| 55 | 2 | 11309419009 | RAJESHKUMAR K | 8.897 | 2 |
| 56 | 3 | 11309419006 | PARTHEEPAN R | 8.5 | 5 |
| ME - COMPUTER SCIENCE AND ENGINEERING | | | | | |
| 57 | 1 | 11309405009 | RADHIKA S (04-07-1986) | 8.754 | 15 |
| 58 | 2 | 11309405006 | KALPANA A V | 8.696 | 17 |
| 59 | 3 | 11309405008 | PARVATHI MAHESWARIT | 8.58 | 22 |
| 60 | 4 | 11309405007 | LATHA RANI MANUBOLU | 8.565 | 23 |
| ME - PRODUCT DESIGN | | | | | |
| 61 | 1 | 11309430002 | BRINDHA S | 8.972 | 1 |

PLACEMENT DETAILS

CURRENT PLACEMENT RECORD 2008 - 2012 BATCH

| S.NO. | DEPT. | NO. OF STUDENTS REGISTERED | NO. OF STUDENTS SELECTED |
|-------|--------------|----------------------------|--------------------------|
| 1 | CSE | 94 | 88 |
| 2 | IT | 96 | 96 |
| 3 | ECE | 95 | 92 |
| 4 | EEE | 45 | 44 |
| 5 | EIE | 55 | 51 |
| 6 | MECH | 54 | 41 |
| 7 | CIVIL | 34 | 24 |
| 8 | MCA | 32 | 20 |
| 9 | M.E. | 35 | 19 |
| | TOTAL | 540 | 475 |

A COMPARITIVE STUDY

| PARTICULARS | 2003 - 07 | 2004 - 08 | 2005 - 09 | 2006 - 10 | 2007 - 11 |
|-----------------------------------|------------|------------|------------|------------|------------|
| No. of Companies Visited | 63 | 67 | 91 | 121 | 69 |
| No. of Students Registered | 360 | 423 | 446 | 512 | 592 |
| No. of Students Placed | 296 | 364 | 402 | 416 | 545 |
| % of Placed Students | 82% | 86% | 90% | 81% | 92% |

WHATS NEW IN COLLEGE

The Centre has a 70 Mbps (1:1) leased line Internet connection from TATA Tele Services and 10 Mbps leased line from Bharat Sanchar Nigam Ltd (BSNL) under National Knowledge Network for Ministry of Human Resource and Development. The Centre supports an institute wide fiber optic network and wireless that connects all the academic departments, hostels, library and other central facilities to the Computer Centre.



R. M. K. ENGINEERING COLLEGE
(An ISO 9001:2008 Certified Institution)

R. S. M. Nagar, Kavaraipettai – 601 206

Distinguished Alumnus Award

DATA SHEET

[To be filled by the proposer]



Name of the Nominee :

Address for communication :

Phone / Fax / Email / Mobile :

Date of Birth :

Degree (obtained from RMK)[Please ?]: B.E / B.Tech / M.E / MBA / MCA

Year of graduation / Discipline:



Academic Background

| Qualification | Year of Passing | Percentage obtained | Distinction Achieved |
|--------------------------|-----------------|---------------------|----------------------|
| SSLC | | | |
| HSC/Intermediate | | | |
| UG | | | |
| PG | | | |
| GRE/TOEFL/CAT/GMAT SCORE | | | |

Work Experience :

Contributions : Papers Published (National/International/Journal),
 Projects Undertaken, Innovations, Social Activities.

Achievements : Awards, Prizes Won, Scholarships, Sponsorships.

Enclosures

Appropriate Certificates (Academic/Achievement) Enclosed - Yes No

Professional experience Enclosed - Yes No

Contributions that merit this award (1 page) Enclosed - Yes No

Any other relevant information (Testimonials) Enclosed - Yes No

Brief CV of the alumnus Enclosed - Yes No

Proposed by (self-nominations are not allowed) :

Address :

Phone / Fax / Email / Mobile:

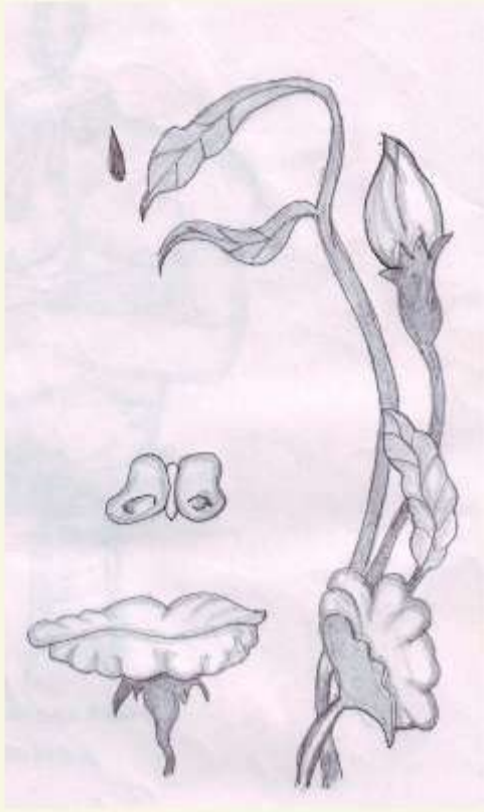
If proposer is an alumnus, please give details:

Batch / Discipline / Year:

Signature of the Proposer with Date

ALUMNI MEET PHOTOS





N. NAZIYABANU, 2011/MCA



V. PREETHY, 2010 / M.E(VLSI)



K. YAMINI PRIYADHARSHINI, 2011 / MCA



NALAM SRAVAN KUMAR, 2010 / ECE



M. SARANYA, 2010/MBA

ALUMNI MEET DETAILS

Every year 2 alumni meets are conducted. One on the graduation day and another in the month of October/November.

| S.No | ACADEMIC YEAR | DATE | VENUE |
|------|---------------|------------|--|
| 1 | 2001-2002 | 12.05.2002 | RMK Engineering College, Kavaraipettai-601206 |
| 2 | 2002-2003 | 24.11.2002 | Amutha Conference Hall, Plot No.392, SBOA School Road, Anna Nagar West Extn., Chennai-600 101. |
| 3 | 2003-2004 | 07.03.2004 | RMK Engineering College, Kavaraipettai-601206 |
| 4 | 2005-2006 | 09.04.2006 | RMK Engineering College, Kavaraipettai-601206 |
| 5 | 2006-2007 | 08.10.2006 | Hotel Breeze, Poonamalle High Road, Chennai-600010. |
| 6 | 2006-2007 | 15.4.2007 | RMK Engineering College, Kavaraipettai-601206 |
| 7 | 2007-2008 | 14.10.2007 | Hotel Breeze, Poonamalle High Road, Chennai-600010. |
| 8 | 2007-2008 | 6.04.2008 | RMK Engineering College, Kavaraipettai-601206 |
| 9 | 2008-2009 | 23.11.2008 | Hotel Breeze, Poonamalle High Road, Chennai-600010. |
| 10 | 2008_2009 | 22.03.2009 | RMK Engineering College, Kavaraipettai-601206 |
| 11 | 2009_2010 | 11.10.2009 | Hotel Breeze, Poonamalle High Road, Chennai-600010. |
| 12 | 2009_2010 | 18.04.2010 | RMK Engineering College, Kavaraipettai-601206 |
| 13 | 2010_2011 | 07.11.2010 | Hotel Breeze, Poonamalle High Road, Chennai-600010. |
| 14 | 2010_2011 | 20.03.2011 | RMK Engineering College, Kavaraipettai-601206 |

R.M.K.E.C. Alumni Association

N.H. 5, RSM Nagar, Kavaraipettai - 601 206

Gummidipoondi Taluk, Thiruvallur District, Tamil Nadu, India.

Telephone: 044 - 27925102 / 338 / 339 Fax : 044 - 27925193

www.rmkec.ac.in/alumni.pdf

e-mail : rmkec@vsnl.com

CONDOLENCE MESSAGE



Smt. Manjula Munirathinam

The faculty, students, staff and all others connected with the R.M.K. Group of Institutions feel orphaned with the sudden passing away of our beloved Chairperson, Mrs. Manjula Munirathinam on the 7th of April 2011. She was responsible for knitting us all into one great family with values and concern for each other. She was a mother to all our students, past and present, and a caring member of the family for the rest. She has left a void that could never be filled. She has left an indelible mark in our institutions and in our hearts with her untiring work, kindness, care and benevolence. The light has gone, yet she has left us enlightened. We pray to God to give us the strength to bear this irreparable loss and pledge to continue in the path paved by her. May her soul rest in peace.

R.M.K. Group of Institutions.