

ICERYX

VOLUME 06 ISSUE 05



THE VOICE OF ICE



Department of Instrumentation and
Control Engineering

SARANATHAN COLLEGE OF
ENGINEERING

FOREWORD :

Given the dramatic changes in the world, Students need to be educated with knowledge of experiences that equip them for their future roles as leaders. The students are underpinned by the utmost confidence and taken in a better way through projects, Industrial visits and placements in order to make sense of the world.

“TO attain knowledge ,add things everyday” is what the ICERYX Team does

-Dr.S.M.Girirajkumar
HoD/ICE

FROM THE EDITORIAL BOARD :

As we read the success stories of many eminent personalities, we tend to get a lot of values and life lessons. The instances of failure also give the same impact or even more powerful thoughts. Intelligent people learn from their failures, whereas smarter ones learn from the failures of others. Remember while reading the success stories, we can learn from them even if they come from different market, industry, or the type of organization different from your own. We can learn more by emulating successful ideas from other industries than by copying your nearest competitor and living by the norms. ICERYX will facilitate this learning by publishing various articles under technical and self help genres.

PR TEAM

MAHALAKSHMI.S.P, PRE-FINAL YEAR
SHARVIN SHAKESH.P, PRE-FINAL YEAR
AKASH SAMI.R, PRE-FINAL YEAR
SURYA.S, PRE-FINAL YEAR
KIRTHIKA.V, PRE-FINAL YEAR
NISHA FRANCY, PRE-FINAL YEAR
R.MILAN PATEL, FINAL YEAR
B.IRFHANNA AMEER, FINAL YEAR
SURYAPRAKASH, SECOND YEAR
SHIVA SHANKAR, SECOND YEAR

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HOW I USED DECISION TREE TO DECIDE WHAT'S NEXT AFTER COLLEGE

Fourth-year of the college was such a terrific year for me. While every other student had already decided what they'll be doing next, I was struggling to find answers to what to do next. It was a stressful time with multiple questions lingering in my head.

Although I had fixated on doing Design, I was constantly juggling with whether I should go for higher education, do a startup or join a full-time job. I am sure many students are still struggling with these questions. I want to share a decision model that I used to arrive on my final decision of going for a full-time job. I've also highlighted how I shortlisted the companies for it.

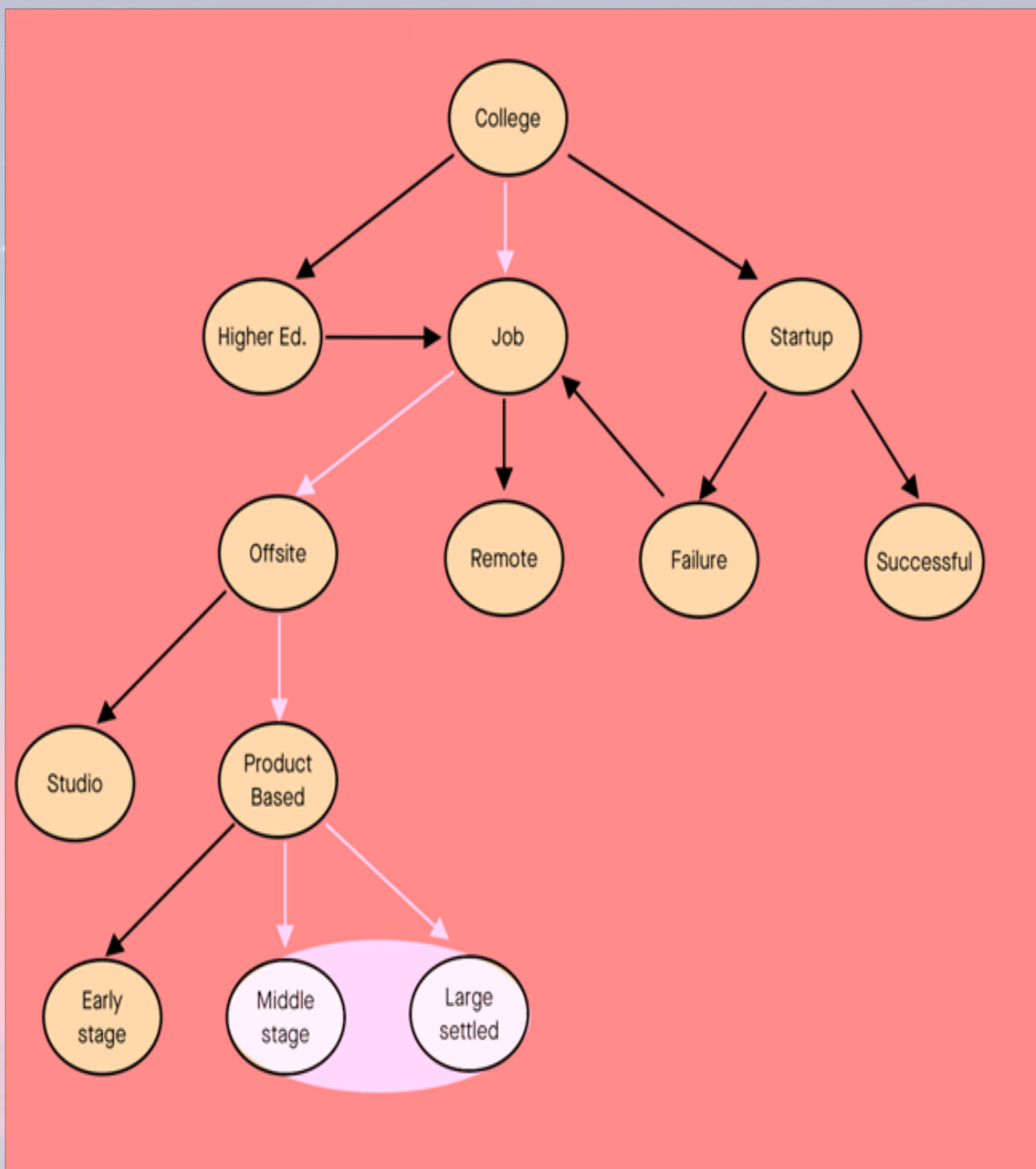
Decision tree

The decision tree is a tree-like structure of decisions as nodes with branches as possible consequences of the decisions. It helps to map out all the possible outcomes of a

decision and thus acts as a support structure for making the right decision.

I picked a chart paper and started to map all my thoughts on it. I started with a node called "College" and the aim was to reach a node that says "Happiness". I branched out the college node into 3 further nodes- higher education, opening a startup and going for a job. On the branches, I wrote down the pros and cons of that decision.

Clearly, higher education would have allowed me entry into silicon valley (US) and gave me the exposure (pros) but I was also afraid of financial instability that it can cause to me and my family. I also got to know that it doesn't add much educational value to your profile (cons). Opening my own startup would have required a lot of business, marketing, operations, and other skills apart from Product knowledge. I wasn't really sure if I am quite yet



ready for it. Also, I wanted to understand these skills and disciplines better by joining a firm first and then think about doing something of my own. I also decided to work on my craft first and stick to design for some time rather than investing my time in doing other things. This left me with the option of going for a job.

I again branched out the nodes to drill down on my decision better and began thinking about the consequences of going for a job, startup and higher education irrespective of

cons. I branched out job into a remote job and offsite job and again wrote their pros and cons.

A remote job would have benefit in terms of freedom that it has given to me and the ability to travel and work from any place I want but over time I have figured out that I am kinda not a person who can work alone. I need people around me to work and chill and not every learning happens over the working desk. I can relate to this more now as I am working in a full-time job. Thus, I realised that the off-site job would suit me.

I again repeated the process and branched off-site job to working

at a studio or product based company. Working as a freelancer for 2 years during college, I realised the fact that I was not getting an opportunity to see how my design decisions turned out. I wanted to see the results of my design decisions. I feel that job of designer in a studio/consultancy firm is very short term and it ends after he hands off design to the client. Thus, I would have missed the opportunity of improving the product further. Though working in the studio has given me a chance to work on different problem statements but this is a trade-off I took over improving the depth of my knowledge.



I again branched product-based company into going for an early-stage startup, middle-sized and large settled company. I was concerned more about joining an early-stage startup. I didn't want to invest my energy in solving problems that the settled teams had already solved. I didn't want to fight with developers and PMs over design and best practices because they have yet not realised the value of design in the org. I wanted to cut this crap and focus on my craft in an organised way. I wanted to learn from settled design teams and get mentored by them. So, I started focussing on both middle-sized and large-sized companies.

I continued this whole process until I vaguely defined how my journey is going to be. To give you an example, I bifurcated working at middle/large-sized companies to then working on an early-stage startup or climbing up the career ladder as a design manager. To this stage, writing pros and cons did become difficult but I still tried to branch as much as possible until I can't branch more and that's when I reach the node called "Happiness". When I saw this tree again from top to bottom, everything started to make sense and I became more clear in

my decision of going for a full-time job.

Shortlisting a company

The next question was to figure out which company to go for and how to shortlist companies for the interviews. Here I started listing down what matters to me most for the job.

#1. People

I value people a lot in my life. This was the value that I cannot trade-off while working in any company. I wanted to make sure whatever company that I join has a good set of people whom I can work with, who can motivate me to do more than my regular desk job and people whom I can look forward to for any kind of help.

To measure this, I started looking for people (mostly designers) who are actively sharing knowledge on social media, be it Twitter, LinkedIn or Dribbble even.

#2. Work Opportunities

The next important thing for me is whether the company allows the employees to work beyond their

assigned job. I was looking for opportunities where I would get the chance to work with different product and functional teams like motion, creatives and also the chance to get involved in organising events, social/content marketing, et cetera, etcetera.

To know about this, I made sure to ask these questions in the interviews.

#3. Product Maturity and Impact

Product maturity was also one of the criteria for me to decide what impact my product decisions would have on the company? If I would be able to create enough value for the company? To give you an example, You will get more credit for your designs while working for a competitive product than a settled product. You'll be working on bigger and impactful projects.

#4. Compensation

I was sure if all the above criteria were met, I would be able to grow professionally. The last important thing for shortlisting companies was financial growth and compensation because money does matter.

Ending notes

The decision tree helped me to see a clear picture of all the consequences of my decisions and helped me to make the right decision. It was also important for me to trust myself and remain committed to the decision and not let others alter my decision because of their lack of understanding of the situation. Also don't worry too much about shortlisting companies for the interviews. Not all companies will fit all of the above criteria. Thus, choose whatever company feels right for you and go ahead. You'll do good.

I hope this decision model can also help you to arrive at the final decision and If you're still not sure about the decision, I recommend talking to multiple people and do whatever that you feel is right for you.

***COURTESY: MEDIUM
WRITTEN BY : Nikhil.***

***COMPILED BY,
Mahalakshmi S P,
Pre final year***

WORDS OF ROBIN SHARMA

An excerpt from the famous book *“who will cry when you die”*

Maintain Your Perspective

One day, according to an old story, a man with a serious illness was wheeled into a hospital room where another patient was resting on a bed next to the window. As the two became friends, the one next to the window would look out of it and then spend the next few hours delighting his bedridden companion with vivid descriptions of the world outside. Some days he would describe the beauty of the trees in the park across from the hospital and how the leaves danced in the wind.

On other days, he would entertain his friend with step - by – step replays of the things people were doing as they walked by the hospital. However, as time went on, the bedridden man grew frustrated at his inability to observe the wonders his friend described.

Eventually he grew to dislike him and then to hate him intensely. One night, during a particularly bad

coughing fit, the patient next to the window stopped breathing.

Rather than pressing the button for help, the other man chose to do nothing. The next morning the patient who had given his friend so much happiness by recounting the sights outside the window was pronounced dead and wheeled out of the hospital room. The other man quickly asked that his bed be placed next to the window, a request that was complied with by the attending nurse. But as he looked out the window, he discovered something that made him shake: the window faced a stark brick wall.

His former roommate had conjured up the incredible sights that he described in his imagination as a loving gesture to make the world of his friend a little bit better during a difficult time. He had acted out of selfless love.

This story never fails to create a shift in my own perspective when I

think about it. To live happier, more fulfilling lives, when we encounter a difficult circumstance, we must keep shifting our perspective and continually ask ourselves, “Is there a wiser, more enlightened way of looking at this seemingly negative situation?” Stephen Hawking, one of the greatest physicists ever, is reported to have said that we live on a minor planet of a very average star located within the outer limits of one of a hundred thousand million galaxies. How’s that for a shift in perspective? Given this information, are your troubles really that big? Are the problems you have experienced or the challenges you might currently be facing really as serious as you have made them out to be?

We walk this planet for such a short time. In the overall scheme of things, our lives are mere blips on the canvas of eternity. So have the wisdom to enjoy the journey and savor the process.

Practice Tough Love

The golden thread of a highly successful and meaningful life is self – discipline. Discipline allows you to do all those things you know in

your heart you should do but never feel like doing. Without self – discipline, you will not set clear goals, manage your time effectively, treat people well, persist through the tough times, care for your health or think positive thoughts.

I call the habit of self – discipline “Tough Love” because getting tough with yourself is actually a very loving gesture. By being stricter with yourself, you will begin to live life more deliberately, on your own terms rather than simply reacting to life the way a leaf floating in a stream drifts according to the flow of the current on a particular day. As I teach in one of my seminars, the tougher you are on yourself, the easier life will be on you.

The quality of your life ultimately is shaped by the quality of your choices and decisions, ones that range from the career you choose to pursue to the books you read, the time that you wake up every morning and the thoughts you think during the hours of your days, when you consistently flex your willpower by making those choices that you know are the right ones (rather than the easy ones), you take back control of your life. Effective, fulfilled people do not spend their time do-

ing what is most convenient and comfortable. They have the courage to listen to their hearts and to do the wise thing. This habit is what makes them great.

“The successful person has the habit of doing the things failures don’t like to do,” remarked essayist and thinker E.M. Gray. “They don’t like doing them either, necessarily. But their disliking is subordinated to the strength of their purpose.” The nineteenth – century English writer Thomas Henry Huxley arrived at a similar conclusion, noting: “Perhaps

the most valuable result of all education is the ability to make yourself do the thing you have to do, when it ought to be done, whether you like it or not.” And Aristotle made this point of wisdom in yet another way: “Whatever we learn to do, we learn by actually doing it: men come to be builders, for instance, by building, and harp players, by playing the harp. In the same way, by doing just acts we come to be just; by doing self – controlled acts, we come to be self – controlled; and by doing brave acts, we come to be brave.”

INDUSTRIAL VISIT 2019

The Pre final year students of ICE went to Bangalore for industrial visit. The staff coordinators were Mr.Thirumurugan, Mr.Seetharaman, Mr.Karthik and Ms.Ezhilarasi.



BOOK REVIEW

A BRIEF HISTORY OF HUMANKIND

“You are human, but you are not the only species of human”

This book portrays the biggest lies of human evolution. A Brief History of Humankind is a book written by Yuval Noah Harari. This book reviews the past of mankind from the evolution of human species in the stone age till 21st century. This masterwork is a kind which needs to be chewed and swallowed by the readers.

100,000 years ago, at least six human species lived in the earth. Today there is just one species. How did our species succeed in the battle for dominance? How did we started believing in the existence of god? How and why did our ancestors build cities? These are some of the interesting questions answered by the author.

This book describes about the three revolutions which took place in the history: cognitive revolution, agricultural revolution and industrial

revolution. Cognitive revolution took place two hundred thousand years ago during which we were animals with no special significance. To be clear we were one among the six human species. “They also had bigger brains than your ancestors-but perhaps your ancestors had bigger sticks”. The agricultural revolution took place 12000 years ago. The author depicts this revolution to be the history’s biggest fraud. Scientific revolution began 500 years ago which is the final revolution in human history.

The author concludes that sapiens are new gods of intelligent design. In future they will become the most powerful species but the problem with them is they do not even know what they want to want which makes the future even more dangerous.

NISHA FRANCY
PRE FINAL YEAR

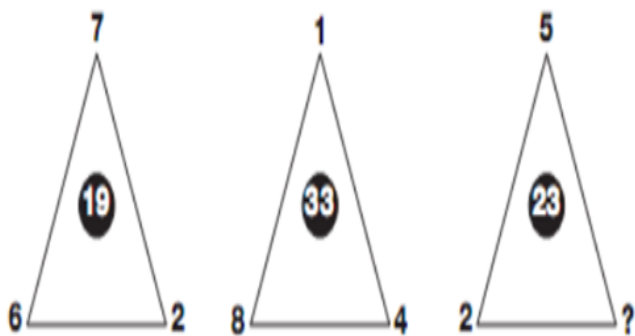
APTI PREPZ

1. A pump can fill a tank with water in 2 hours. Because of a leak, it took 2 hours to fill the tank. The leak can drain all the water of the tank in:

- A. $4\frac{1}{3}$ hours
- B. 7 hours
- C. 8 hours
- D. 14 hours

2.

Which number replaces the question mark?



- A. 6
- B. 9
- C. 4
- D. 8

3. Six friends are sitting in a circle and are facing the centre of the circle. Deepa is between Prakash and Pankaj. Priti is between Mukesh and Lalit. Prakash and Mukesh are opposite to each other.

Who is sitting right to Prakash ?

- A. Mukesh
- B. Deepa
- C. Pankaj
- D. Lalit

4. In a certain store, the profit is 320% of the cost. If the cost increases by 25% but the selling price remains constant, approximately what percentage of the selling price is the profit?

- A. 30%
- B. 70%
- C. 100%
- D. 250%

5. In how many different ways can the letters of the word 'MATHEMATICS' be arranged so that the vowels always come together?

- A. 10080
- B. 4989600
- C. 120960
- D. None of these

6. How many seconds will a 500 metre long train take to cross a man walking with a speed of 3 km/hr in the direction of the moving train if the speed of the train is 63 km/hr?

- A. 25

- B. 30
- C. 40
- D. 45

7. What was the day of the week on 28th May, 2006?

- A. Thursday
- B. Friday
- C. Saturday
- D. Sunday

8. Two numbers are respectively 20% and 50% more than a third number. The ratio of the two numbers is:

- A. 2 : 5
- B. 3 : 5
- C. 4 : 5
- D. 6 : 7

9. A boatman goes 2 km against the current of the stream in 1 hour and goes 1 km along the current in 10 minutes. How long will it take to go 5 km in stationary water?

- A. 40 minutes
- B. 1 hour
- C. 1 hr 15 min
- D. 1 hr 30 min

10. The difference between a two-digit number and the number obtained by interchanging the digits is 36. What is the difference be-

tween the sum and the difference of the digits of the number if the ratio between the digits of the number is 1 : 2 ?

- A. 4
- B. 8
- C. 16
- D. None of these

**V.KIRTHIKA
PRE FINAL YEAR**

**ATTRACTIVE PRIZES
FOR THE TOP THREE
SCORERS OF APTI !!!**

Send your response to
iceprteam2@gmail.com

**FIRST COME
FIRST SERVE**

WORDS OF WISDOM

In this section, let us have some knowledge about the ethics involved in our profession (i.e.) Engineering Ethics. Ethics is an indispensable knowledge that has to be possessed by anyone in the field regardless of their profession.

Engineering Ethics:

The study of the moral values, issues, and decisions involved in engineering practice. The moral values take on forms including responsibilities, ideals, character traits, social policies, and relationships desirable from individuals and corporations engaged in engineering.

“An engineer has to be well qualified, well informed & committed to his obligations to the society”

“A technically gifted engineer but ethically weak engineer may cause harm & damage to the society”

Fundamental Aspects of Engineering Ethics(An Engineer):

- Should identify & enlist the

types of ethical issues that he or she is likely to confront in his or her engineering career.

- Should clarify the related concepts theories & standards involved

- Should guide & help in confronting & resolving ethical & moral dilemmas.

- Should stimulate critical & responsible reflection & useful discussion on these issues.

- It is a study of related questions about the moral ideas, character, policies & corporations involved in the activity related to the technology.

“Engineering ethics has many senses”

Micro-Ethics:

- Deals about some typical and everyday problems which play an important role in the field of engineering and in the profession of an engineer.

Macro-Ethics:

- Deals with all the societal problems which are unknown and suddenly burst out on a regional or national level.

Dealing with an Ethical Problem:

- Recognizing a problem or its need.
- Gathering information and defining the problem to be solved or goal to be achieved.
- Generating alternative solutions or methods to achieve the goal.
- Evaluate benefits and costs of alternate solutions.
- Decision making & optimization.
- Implementing the best solution.

Four Senses:

1. It is an area of inquiry & activity.
2. It enables to distinguish between moral & non-moral prob-

lems.

3. It refers to a particular set of moral beliefs, attitudes and habits that a person or a group displays.

4. It refers to the principles of ideas, obligations & rights which are morally justified.

Solving the Conflict Problems:

When a professional is faced with a problem of choosing one among the two conflicting values, each of which seem to be correct. He or she will have to follow three ways

1. Easy Choice :

The one which is more significant & important is selected.

2. Creative Middle Choice :

It involves finding out & attempting some kind of compromise that will at least partially satisfy available choice & work for everyone.

3. Hard Choice :

When both the above choices are not feasible, the need choice has to be attempted.

MORAL DILEMMAS:

Moral dilemmas generally re-

fer to situations in which a difficult choice has to be made based on conflicting moral issues involved.

MORAL AUTONOMY: (self-determining or independence)

- It is a skill & habit of thinking rationally about ethical issues.

- It is concerned with decision making power of a person with regard to ethical issues.

- Engineering ethics is aimed at increasing the moral autonomy of an engineer.

- It enables the engineer to strengthen his or her professional values such as honesty, integrity etc...

- Level of moral autonomy of a person depends on his or her early upbringings or influence from the teachers, friends, neighbours etc.

Skills for developing Moral Autonomy:

- o To improve moral autonomy, the concerned person should develop proficiency in recognizing moral problem issues

- o He or she should be able to comprehend, clarify & critically assess & analyze arguments on all aspects of the moral issues involved.

- o Judgments should be based on moral considerations & the ethical expression & language should be precise.

- o Knowledge about the importance of suggestion & choosing the best available solution for the moral problem will enhance the values of moral autonomy.

SURYA S

PRE FINAL YEAR

**GUEST
LECTURE**

Mr.VICKRAM VIJAYARAMAN-AN , System Engineer , INFOSYS and Mr.SHIVA CHIDAMBARAM , Orangecape , Chennai conducted a guest lecture on PRODUCT DESIGN and MANAGEMENT.

10 Top Sites For Online Education

Whether you want to top up your knowledge on a subject or learn a completely new skill, there is no shortage of online courses to help you on your way. In fact, there are so many choices, it can be difficult to figure out which platform suits you best!

If you want to help upgrade the skills of one of your freelancers or employees, it can be even more difficult to choose the best match for their learning style.

Industries these days always are looking for a candidate who has involved in self-learning of the courses which are in demand. The courses learned through the following sites will add an advantage to a candidate's profile and certainly give him a great advantage amongst others who have applied for the same job. To help you navigate the rapidly expanding world of online education, here are 10 of the most popular options for upgrading your skills. Ready, set...learn!

COURSERA :



Coursera has partnered with leading universities in the U.S. and around the world to provide online courses covering dozens of different subjects. Recently, they've introduced "specializations"—10 different course pathways that will lead to an official certification from an associated university.

Coursera has a wide diversity of subjects available to choose from; everything from data science to musical theory. As Coursera prides itself on being accessible to everyone, many of the courses are either free or very cheap to take, with only the official certification at the end having a higher cost involved.

LYNDA.COM :



A veteran in the online education space, Lynda.com offers a subscription-based video tutorial library. Think of it as an education-based Netflix. Lynda.com membership provides unlimited access to more than 80,000 videos on a broad range of different subjects.

UDEMY :



With an average of 800 new courses added to their repertoire every month, InUdemycosts vary broadly at regular intervals. However, you can read the reviews of former students before signing up to any of the courses, so you can make a more in-

formed decision.

UDACITY :



Udacity is a platform with a strong focus on technology, with a small but well-crafted selection of courses. If you're looking to break into data science, Udacity's data science program has an impressive roster of teachers from companies like Salesforce and Facebook.

Udacity's pricing structure allows you to pay monthly for your courses; if you decide to drop a program before completing it, you pay for the course up to that point, rather than the whole thing.

KHAN ACADEMY :



Khan Academy is a non-profit on-line platform providing a completely free library of educational “micro-lectures.” Focusing on more traditional academic subjects, Khan Academy provides a mix of video and text-based materials in math, science, economics, humanities, and a bit of computer programming. Since Khan Academy is free for anyone to use, it’s a great way to get a taste for a subject before moving onto a more advanced course elsewhere.

Purely this is a site where you can brush up your basics anytime. With content varying from basic school subjects to certain complex subjects which are involved in professional streams of Engineering. Content in this site is not so longer and will brief you up about the topic in a very less time than those sites who have an hour long video tutorials.

CODECADEMY :



Previously backed by the White

House, Codecademy is dedicated to teaching people how to code—and it’s available for free. While other online coding courses are a “learn at your own pace” environment, Codecademy motivates learners to keep a fast pace using supportive groups and a gamified points system.

The school offers courses on a number of languages—including PHP, Python and Ruby—and students are often already building and deploying projects by the time they finish their course.

BLOC :



Focused on web development, Bloc is a more intensive option for those who want to learn quickly. Instead of short courses or lectures, this highly structured program runs for 25 hours per week over several months. With tuition starting at \$4,250, bloc.io doesn’t come cheap—but it does of-

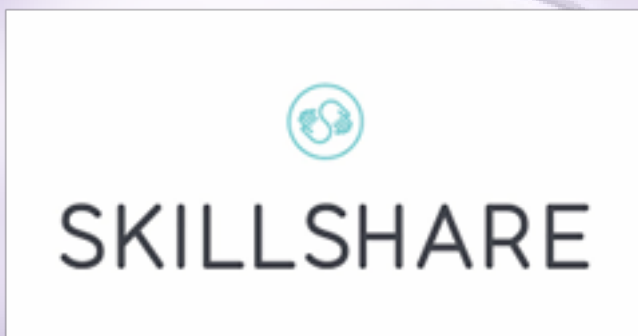
fer a great option for those who are ready to commit to a career change.

IVERSITY :



Hailed as the “Coursera of Europe,” Berlin-based iversity has partnered with European and international universities to offer academic courses for free. Unlike Coursera, however, it doesn’t look like iversity is currently providing any official certification.

SKILLSHARE :



Skillshare is a community marketplace for new skills. With a broad range of different subjects to choose from, Skillshare offers an online

catalog of video-based courses, as well as in-person workshops in cities like San Francisco and New York.

GENERAL ASSEMBLY :



Focusing on education in design, business and technology, New York City-based GeneralAssembly has campuses in nearly a dozen different cities around the world. Although the majority of General Assembly classes are in-person, they also offer a compact selection of online-only or mixed courses.

General Assembly even livestreams popular lectures, providing real-time interaction with the lecturer and other students. Their online courses range in price, from one-off lectures to multi-part workshops.

BY,

**Milan Patel R
ICE - IV**

STUDENT ACTIVITIES

NAME OF THE COLLEGE / ORGANISATION	STUDENTS PARTICIPATED	EVENT NAME AND PLACEMENT
CIT, Coimbatore	Fahad .M , Mahalakshmi .S.P, Sharvin Shakesh .P PRE FINAL YEAR	1 st in Paper Presentation on the topic “ HYBRID WASTE MANAGEMENT ” 1 st in project expo
Rotary Club of Trichy Rockcity	Mahalakshmi.S.P PRE FINAL YEAR	TOPNOTCHER 2K19 - Awarded as overall winner MISS TOPNOTCHER and sponsored for RYLA camp at kodaikanal.
Gurucool , RYLA camp by Rotary Club	Mahalakshmi.S.P PRE FINAL YEAR	Awarded as MISS RYLA
NIT, TRICHY	Ahamed Zuhoor	INNOVENT- designing hackathon – Winner
	Fahad, Srihari, Sharvin Shakesh	IDEATE-Paper presentation-1 ST place
	Lingtan Hari	TRIAL BY TRONICS- 1 st place
	Sharvin Shakesh	TRIAL BY TRONICS-2 nd place
	Fahad Srihari	SENSORS- 1 st place
	Lingtan Hari	SENSORS- 2 nd place
	Aarthi Dharshini	SENSORS- 3 rd place

NAME OF THE COLLEGE / ORGANISATION	STUDENTS PARTICIPATED	EVENT NAME AND PLACEMENT
MAM College of Engineering ACOEL EVENT	Aakash.R Abbas Abdul Salam.S FINAL YEAR	1 st place in Paper Presentation, AdZap, Circuit Debugging
MAM College of Engineering Bluesparks 2k19	Aakash.R Abbas Abdul Salam.S FINAL YEAR	3 rd place in Technical Quiz , Paper presentation
Anna university BIT campus CONFERENCE	Aakash.R Raviendren .PK FINAL YEAR	1 st place in Paper Presentation

PROJECT EXPO

The grand project expo was conducted to commemorate Engineers day 2019. Many teams exhibited their projects on 13th and 14th of September. Three teams emerged as winners and one team was given special recognition as appreciation.

- 1st place - FAHAD.M, SHARVIN SHAKESH.P, SHRI HARI
 2nd place - AHAMED ZUHOOR, RAVIKIRAN, KARTHIKEYAN .S
 3rd place - FELIX NIRMAL DOSS, SIVAPERUMAL, PRADEEP, NAZEER AHAMED, SAIHARI PRASAD
 4th place - LAVANYA, SINDHUJA, MEENU ASWINI, ARTHIYA, DHANALAKSHMI, HARINI



PLACEMENT SEASON

COMPANY NAME	NAME OF PLACED STUDENTS
SYNCSOL	ANITHA
	HARIHARAN
	MILAN PATEL
	SURYA PRAKASH
SMI	SANCHALI
ECON	SAKTHIVEL
IVTL	KRITHIKA
	VENUBALAN
INFOSYS	R.K.DIVYA
	JAYASHREE
	RAHUL
TCS	SARANKUMAR
ZENTRON	IRFHANNA
	KRITHIKA

FACULTY DEVELOPMENT PROGRAMME

Ms. Ezhilarasi attended Faculty Development Programme (FDP) in NATIONAL INSTITUTE OF TECHNOLOGY, Trichy (NITT) in the month of September.

ART GALLERY

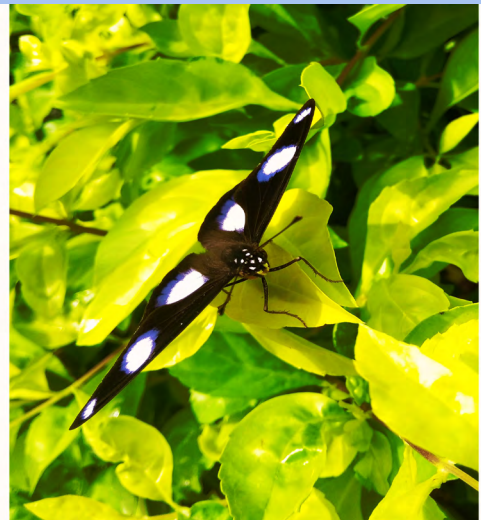
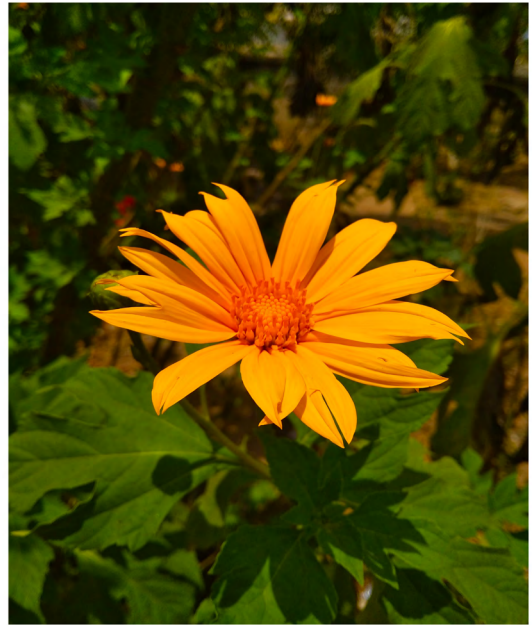


HARIHARAN R.G.
FINAL YEAR

SHUTTERS N SNAPS



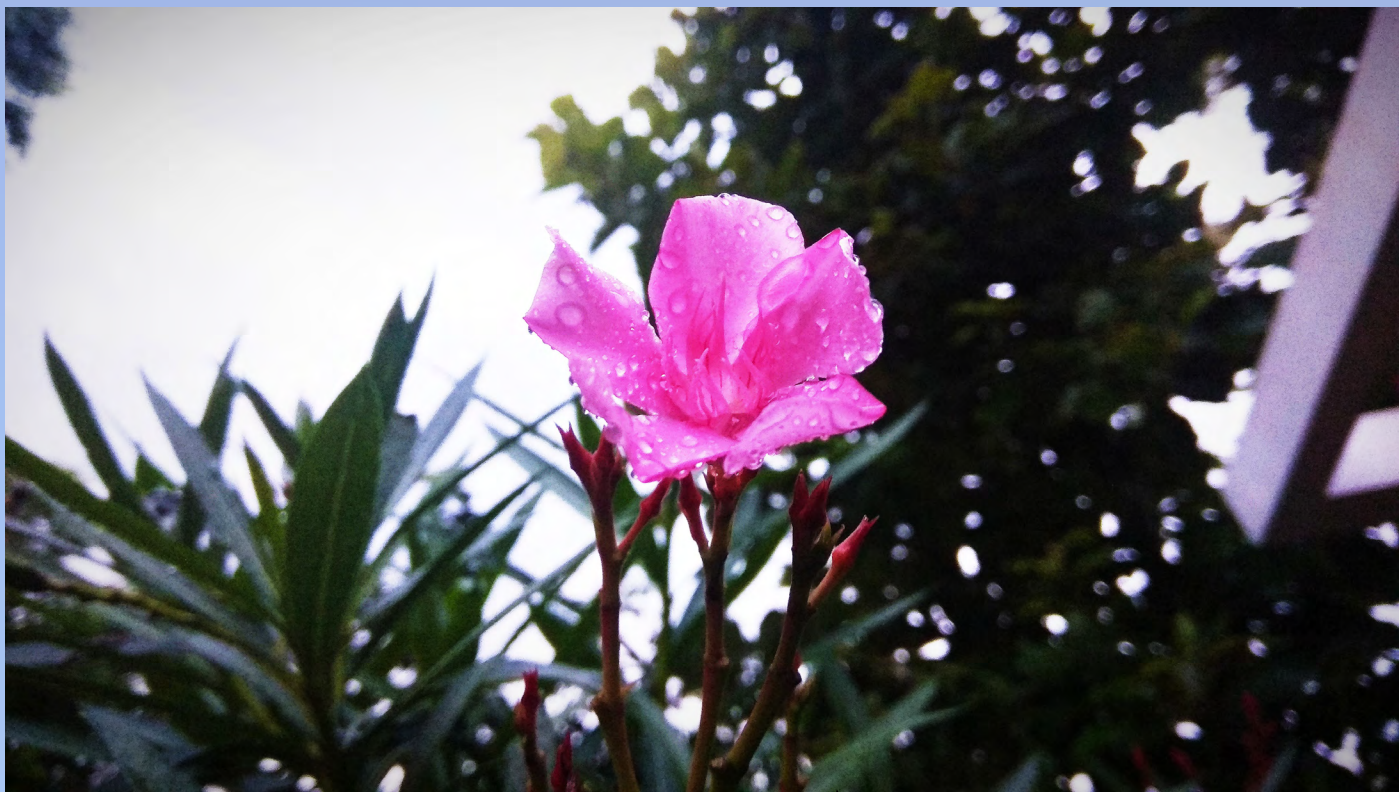
MAHALAKSMI .S.P
PRE-FINAL YEAR



**GOWRI
PRE-FINAL YEAR**



**HARIHARAN R.G.
FINAL YEAR**

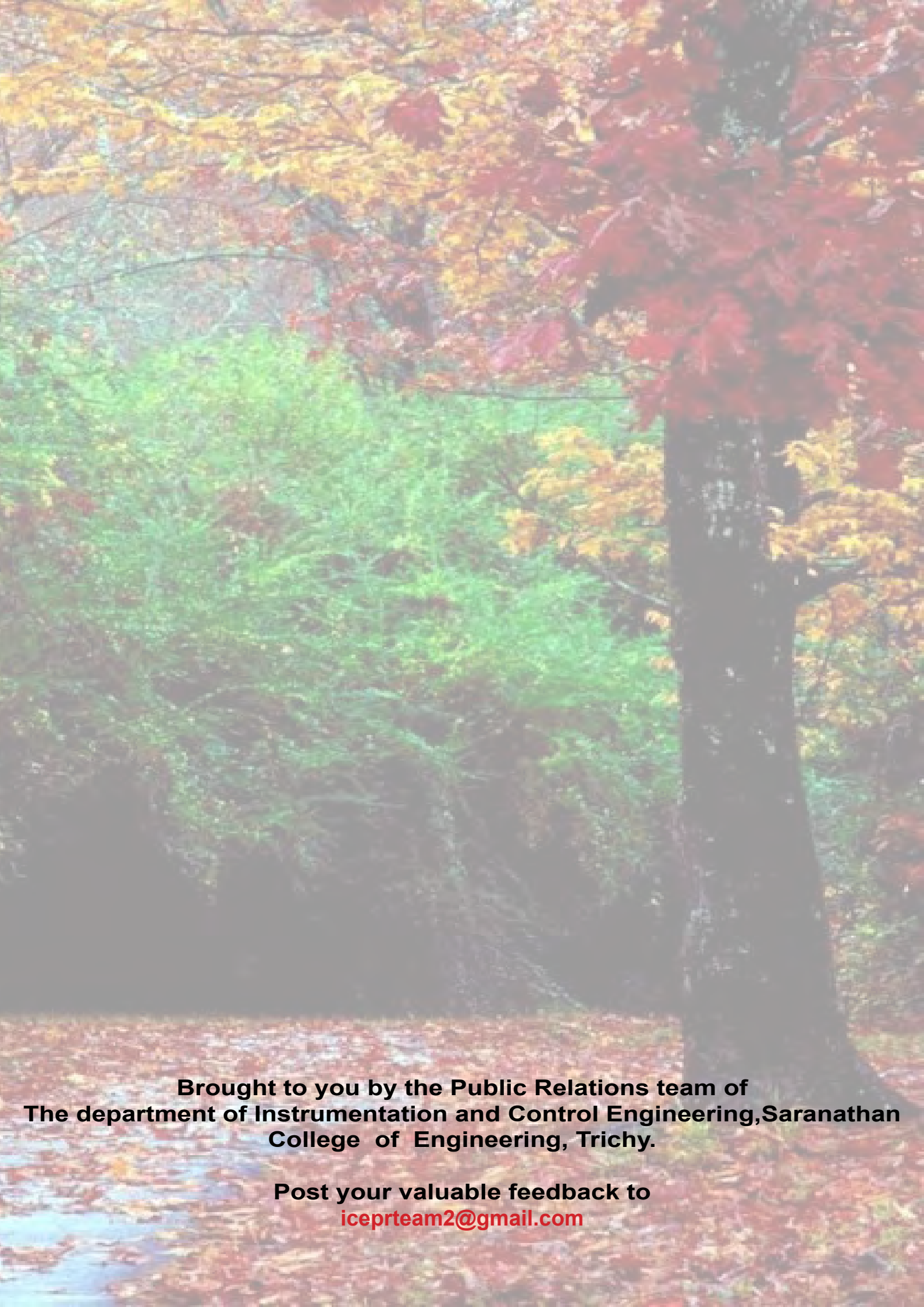


SUDHERSHANAN .C

FINAL YEAR



SHARVIN SHAKESH .P
PRE-FINAL YEAR



**Brought to you by the Public Relations team of
The department of Instrumentation and Control Engineering, Saranathan
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