



NAZARETH COLLEGE OF ARTS & SCIENCE
(Affiliated to the University of Madras)
(Re-accredited with 'B' grade by NAAC)



Kovilpadthagai Main Road, Kannadapalayam, Avadi, Chennai-62

DEPARTMENT OF COMPUTER SCIENCE

ABOUT THE COLLEGE

Nazareth college of arts and science was established in the year 2000, by Mrs. & Mr. David. The college is affiliated to the University of Madras, it is located in the suburbs of Chennai with a sprawling campus which creates an environment to foster holistic learning and growth. The intake of students is based on their general performance criteria set by the college. The college caters students from the drivers backgrounds, often taking social initiative of imparting education to the students who have a vision but are less privileged the college provides congenial academic platform from the students. Laurels and Achievements won by the college have strengthened its path all through these years.

ABOUT THE DEPARTMENT

The department was established in the year 2000 by C & D Educational trust; it was started with initial strength of 24 students. This Course prepares the students to work in teams to build software system and apply the technologies in various fields of Computer Science, including mobile application, website development and management , database and computer networks.

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Mr. J.KEVIN MATHEWS II B. Sc(CS)





Secretary's Message

"Education is the passport to future, for tomorrow belongs to those who prepare for it today"-Malcolm X.

I am delighted to know that the Department Of Computer Science is set to release in second issue of News Letter. The issuance of this news letter is the assurance of our ideal education service that likely to be extended in future.

I offer my appreciation to the members of the faculty and students involved in bringing out the edition victoriously.



Mr. A. N. Henry Maris

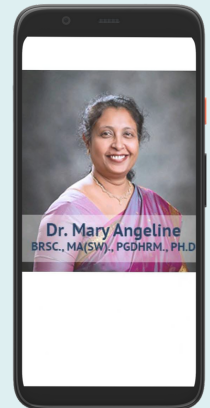


Principal's Message

Dear students and faculty it is a great happiness, I share my thought and wishes for the news letter of the Department Of Computer Science. The release of the "Array Express" another milestone in the department towards innovation and knowledge sharing.

The Age of the big data

Data science has taken over the corporate world in the last few years. In today's digital world, lot of information is stored in big data. Those data provide the opportunities to solve the big problem of the society. Information is the oil of the 21st century and analytics in the combustion engine said by Peter Sondergaard, senior vice president, Gartner. So if one is good in numbers and fascinated by data be ready for opportunities that knock that door embrace the new age of big data. I congratulate the department for this initiative and believe that teaching learning combined with practical experience will equip the students to handle challenges in all walks of life and help them to embrace the age of big data.



Dr. E. Mary Angeline



Vice Principal's & HOD Message

Dear Reader's

Greetings to you and warm wishes!

"The mind is not a vessel to be filled, but a fire to be kindled." Said Plutarch. I congratulate the staff and students of all faculties who used various mediums of expression to present their ideas. As long as our ideas are expressed and thoughts kindled we can be sure of learning, as everything begins with an idea.

A famous philosopher once said, "Inside all of us is a hidden dream". Array Express, our Department Magazine magazine, is a platform for our students to showcase their creative abilities hidden dreams and aspirations for writing. Our magazine aims towards bringing out the latent talent in our students through articles, poems, quizzes and experiences. We at Array Express encourage our students to put on their thinking caps and create.



Ms. E. Mano Ranjitham





Special Message

Software Development Accelerators

Software development doesn't happen by chance. It is the result of a truly effective planning and adherence to processes and proven methodologies. Software development is challenged while milestones are delayed, budget are overrun, scope changes etc., and significantly slows down the process. Finally, the result may get compromised in terms of quality or features to meet your customer expectation.

7 principles of accelerated software development when adhered will overcome your software development challenges.

- 1. Productive User Experience :** Customers are looking for an engaging, intuitive, and effective user experience that simplifies their day today functions and lastly daily ROI. Designing and creating Productive Experiences is best achieved by dedicating User experience (UX)/User interface (UI) expert(s) within your development team. UI/UX experts understand how people user software and the many intricacies that go along with it This is relatively specialized talent that comes with experience and requires continual research both in the industry as well as with your own user to stay up-to-date.
- 2. Development Methodology :** Software development methodologies play a vital part of developing the software. There are many methodologies which are used by the professional development teams today. There are both advantage and disadvantage associated with each of them. Basic purpose of these methodologies is to provide a framework that is used to structure, plan and control the process of smooth software development according to the project requirement. Hence choosing the right methodology as per the project requirement is critical which can accelerate or decelerate your development process.
- 3. Design and Architecture :** Creating a well-define software design and architecture will enable developers to spend more time on innovative business functionality and less time on the underlying technology. It will enable the business to adopt quickly to changing technology shifts with lasting software and low total cost of Ownership. Minimizes technical depts and future rework effort.
- 4. Developer Efficiency :** Making developers as efficient and effective as possible is essential. It allows software to be developed faster and at lower cost, makes more applications viable, and delivers greater impact on the overall business. Accelerator is the pinnacle of developer productivity allowing IT to shift the time typically spent on hand-tooled plumbing of code and maintenance to new business specific innovative software development.
- 5. Application Interoperability :** Competitive pressures, partner demands, strategic initiatives, mergers and acquisitions, and more add levels of complexity and technologies to an already growing array of disparate systems. Today's software must be open and agile enough to pull them all together.
- 6. Reusable Modular Software Snap-ins :** Work smart and develop reusable software modules





that can be shared across applications, divisions, and companies. Don't reinvent the wheel over and over. Another of our mantras is "Reuse, Reuse, Reuse". That should apply from the smallest control to entire applications. That's where Accelerator's modular architecture plays such an important role allowing developers to easily snap in other software.

7.Leverage Existing Software Assets : Reengineering existing software can be incredibly difficult and wasteful. Don't rebuild it unless it is cost effective, or business demands that you must. However, you can breathe new life into the aging assets and repurpose the technology into newer applications..

As a student you always strive towards Success...

Time is a highly valuable resource that we frequently overlook and mismanage.

Pareto Principle 80/20 rule – States that 80% of the benefits you produce will come from 20% of your time and effort.

Let me introduce you to 7 Principles and practices that expand your perspective and open more options for making the most of every opportunity

1. Optimize is the first law of Success:

- Distinguish what you do that works – and do more of that.
- Distinguish what you do that does not work – and do less of that.
- The ultimate key to success is being able to make these distinctions

2.Better Results With Improved Mindset and Perspectives : There are two high-impact keys to successfully improving your results in every situation: change what you do, or change how you are thinking. The obvious challenge in changing actions is the universal major impediment to change: your habits. In every important decision, have at least 3 options to choose from whenever you consider the best way to achieve a meaningful result.

3.Knowing What Your Real Job Is : At the most fundamental level, you have to recognize 2 critical axioms about dealing with people, whether they be clients, colleagues or collaborators. Your most fundamental job is facilitating what is most important to the people you are dealing with.

4.Always get clarity on what and why before ever addressing how :

The three most important questions for effective action and results are:

- What is most important?
- Why is that the best choice of what is most important?

And only then ask: How can we best achieve what is most important.

5.The “50 Choices” Paradox : You will have 50 things on your to-do list. You now have to make a choice from among 2 options:

1. You can choose to act on priorities 1, 2, and 3 – and never touch the other 47, or
2. You can choose to act on priorities 4 to 50 – and never touch 1, 2, and 3 – what is your choice? When common sense becomes common practice, the most remarkable results show up





6. Knowing What Is Most Important is the Key to Decision-Making:

Highly effective decision-making always starts with and is centered around first defining what is most important. It is worth always being sure you have this clear and focused before you make any critical decisions.

7. Results are always worth more than activities or processes: The value of the results will always be worth multiples of any action or process. Furthermore, it is far more effective to start with the high value result in mind before deciding to do anything.

Winners don't wait for chances, they take them.'

All the best !!!



**Ms. Sri Devi, Project Manager in
UST, Bangalore**



ALUMINI FEEDBACK

I am very glad to be a part of Nazareth college of Arts and science . I am the student of computer science department .Nearly 3 years I spend time in this college. There are lot of happiness while I am studied here . Such a way encouraging the students and guide them in a good way. There are lot Activities also here cell activity which is very useful to the students lot of things we can learn from that cells . every Saturday Add on course will be there (no books) .only activities which is very useful to the students and professionally they will train us.courses like(Animation, Graphics, Css, Making a short film).Not only studies they will importance but also in extra curricular activities is here. There are lot of changes I can see here for example each and every class having educom. which is very helpful to the students. I hope my juniors also really going to miss this wonderful days after finished the course like me.



**Ms. Priyanka, Alumni, Teacher,
Shree Niketan Patasala(CBSE)
Thiruvallur**





Staff Articles

Do You Know These Fun Facts About the Human Body?

Fun Facts About The Human Body – The human body is a beautiful, wacky, and mysterious machine. Here's the thing: we live with it, so sometimes it's easy to forget how amazing things like internal organs, eyes, or even the basic building blocks of life (cells) are, right?

- o You're going to be taller in the morning
- o Your heart beats about 100,000 times a day
- o Your highest blood flow is in your kidneys
- o Healthy lungs are pink lungs
- o Dreaming in black and white
- o Your blood vessels could circle the globe
- o The average human adult has 2000-4000 taste buds
- o Your body has more than 600 muscles
- o In time your brain has a harder time with long-term memories
- o Your skin has 1000 different species of bacteria on it
- o Your strongest and longest bone is your femur
- o Your fingernails grow faster than your toenails
- o You're probably more like your dad



**Ms. R. Meenakshi M. Sc(ESC),
M. Phil(ESC)
Assistant Professor**



Dear Students,

Expressing my gratitude to the Almighty for the abundant blessings and guidance. I have great joy in writing my message to students community. I wish to share my thoughts with you....

Bookish education is not true education. Put into practice at least one or two principles that you have learnt. Set an example to others by your ideal conduct. The end of education is character. We should consider character is our life breath.

Set your goals....

Have a purpose in life....

Develop a positive attitude towards life....

Believe in yourself....

“Youth is power .To bring out the best in young people and to fuel their strength are the role of education, there by promoting their growth .There is no way to create a great future than with our present commitment to education”.

I am sure that your golden memory of these three years which you have spent in NCAS family will shine brighter when you accumulate your experience of life in future. The society that you have to face after graduation may have many conflicts. Please remember that there is no ideal society in reality rather we have to make an ideal society by our self. Please believe that you have that power to achieve that goal.



**Ms.S.V.Rajiga, M.C.A.,M.Phil.,
Assistant Professor**





பாரெங்கும் பார் எனக்கு ஈடில்லை எனும் பாங்கில்
 நீக்கமற நிறைந்திருக்கும் இயந்திர இயற்கையானாய்
 பஞ்சினும் மெல்லியதாய் பிஞ்சிகளின் கைகளிலும்
 பிரித்திட இயலாத ஆறாம்விரல் போலானாய்
 அளப்பரிய பணிகளையும் சொடுக்கிடும் நேரத்தில்
 முடித்திடும் நீயும்ஓர் முடிவிலாத தேவனானாய்
 இறைவனவன் படைத்திட்ட மூளைக்கு உறுதுணையாய்
 ஆயிராமல் உழைத்து நீயும் முடிவற்ற காவலானாய்
 அறிவினை வளர்ப்பதிலே அற்புத ஆசான் ஆனாய்
 பணிகளை முடிப்பதிலே பலருக்கும் முன்னோடி ஆனாய்
 பழமைகளின் தோலுரித்துப் புதுமைகளைப்
 படைப்பதனால் படைக்கின்ற பிரம்மன் ஆனாய்
 உலகினைக் கைக்குள்ளே அடக்கி ஆள்வதனால் மானிடரின் மன்னனானாய்
 மானிடரின் தவறினாலே சில நேரம்
 அமுதுக்குள் நஞ்சாக உன்னாலும்
 சில தவறு நேர்வதுண்டு ஆனாலும்
 பயனளவு பெரிதாகும் என்பதாலும்
 பாரெங்கும் நிறைந்து நிற்கும் உன்னையன்றி
 ஒரு செயலும் நடவாது என்பதாலும்
 முடிவான உச்சம் நீ அறிவியலுக்கு
 முரியாத உறவானாய் எங்களுக்கு



Ms. R. Kaviyarasi,
M.Sc(CS),MCA., MBA.,
M. Phil., Assistant Professor



Student Articles

ரான் இனிய கணினி

ரான் இனிய கணினியே.
 இவ்வளவு நேரம் தொடர்ச்சியாக நான்
 யார் கிஞ்சுதையும் பார்த்ததில்லை.
 இவ்வளவு நேரம் யாரோடும்
 விரல் தீண்டல் தொடர்ந்ததில்லை.
 அநெதப்படி
 உன்னால் மட்டும் முடிகிறதே?
 கண்ணாடுகளைத் தந்தியாத
 கணினிச் சூடுக்கங்கனின்
 சூடுக்கங்கிடுக்கே?
 முகம் மணசின் கண்ணாடி
 ரன்பு
 முகமே கண்ணாடியாகிப் போன
 உன்னிடம் தானே உண்மையாகிறது?
 நீ என்ன ரசம்வாய் ரன்ரு கேட்ட
 காலம் போய்விட்டது
 என்ன ரசம் மாடபாய் ரன்கிறதே கலியுகம்.
 சில ஆண்டுகளுக்கு முன்பு
 உலகம் உன்னை
 ஆண்டு கொண்டிருந்தது
 இப்போது
 நீ ஆட்சியைக் கைப்பற்றி விட்டாய்

இப்போதுதான்
 மனித மொழிகளுக்கிடையே மரியாதை
 இல்லை
 கணினி மொழிகளுக்கிடையே தான்
 உலக அங்கீகாரம்.
 என்ன...??
 விரல்களால் பேச வேண்டும்
 அது ஒன்று தான் வித்தியாசம்!!!!

காலம் மாறிவிட்டது
 முன்பு கலப்பை கிடைத்த இடத்தில்
 இப்போது கனிப் பறாதி.
 முன்பு வரப்புகள் இருந்த இடத்தில்
 இப்போது வன்மொழிகள்.

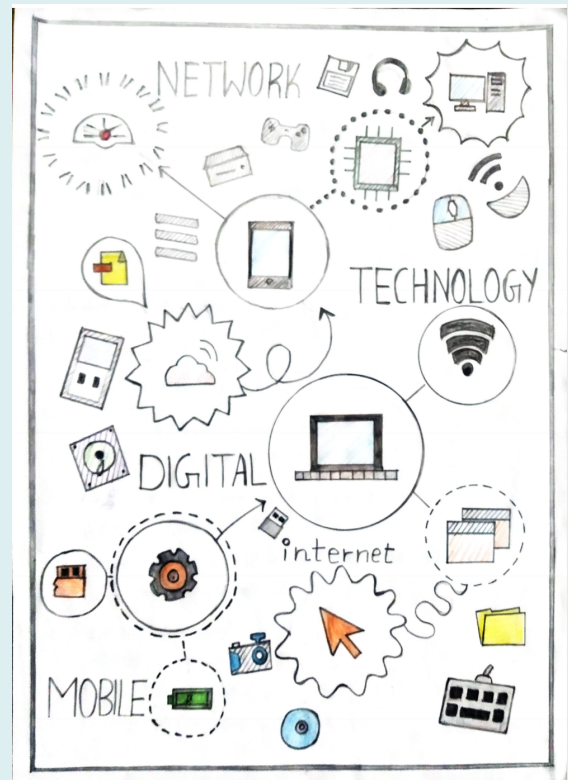
ஆனாலும் எங்கள் வயிறு
 இன்னும்
 மென் மொழி தின்னப் படுகவில்லை....
 அடைக்கலம் ஆகி நீயின்றி நானில்லை
 ரன் ரசம்வாய் வைத்து விட்டாய்....

- ஆர்.பிரதீன்
 I. B.S.C (CS)

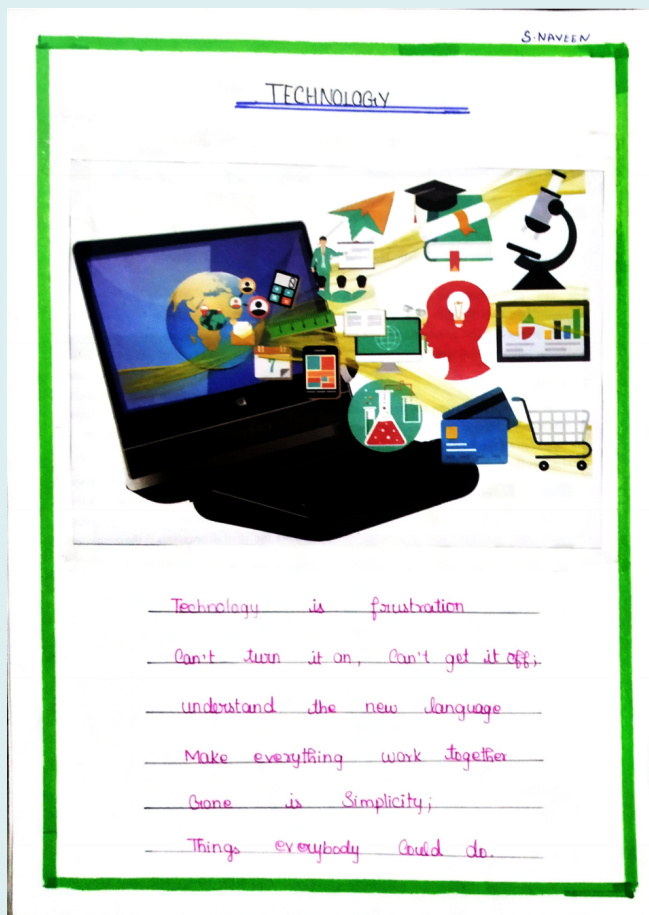




Mr. H. SANJAY KUMAR., I BSC CS



Ms. V. DEEPIKA., II BSC CS



Mr. S. NAVEEN., I BSC CS





WHAT ARE WE DOING TO OUR EYESIGHT

Living on computers, both day and night ?
 Will we go blind at early age
 Just because devices are all the rage ?
 Will we atrophy, and become fat
 Because all day, before a computer we sat ?
 Will our social skills decline
 Will we lose a free – thinking mind ?
 Will it be ‘stimulus, response’
 Will we become dull as a dunce ?

Ms. K. JAYASUDHA., I BSC CS



COMPUTER SCIENCE

The computer is a amazing gift from science and it is used world wide. The computer is an electronic device or machine that makes our work easier. Now a days, computer has become an important part of our lives. People also use computer in schools, companies, factories, banks, railway etc. We should use computers constructively for use our better mind.

Besides, it is vastly used in medical fields, researches, defenses and more. It helps us to be effortless, fast and accurate both in personal life and at work. Many people use personal computer (PC) these days. It can store any digital information like photos, videos, documents and more. In modern – day computers play huge role in studies.

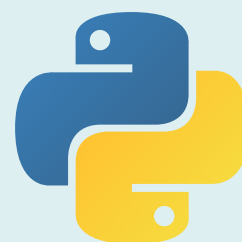


Ms. E. POOJA., I BSC CS



PYTHON

Python is an interpreter language and it is a most powerful language used world wide. Python is a high level and object oriented language. Python is a shell language used in unix. Python is a easiest language where complex code can be executed with less complexity. Popular applications like facebook and youtube are developed using python. Python is the preferred language for machine learning and data science due to it's popular ML libraries such as pandas and scikit – learn. The language has experienced tremendous growth of around 18 – 19 % in the last five years. At the PYPL index, python is ranking at the #1 python for last year.



Ms. V.VIMALA DEVI V., I BSC CS





COMPUTER IN MEDICAL FIELD

Computer is more important to our day-to-day life. It plays an vital role in education and medical field during COVID situation. It is essential and commodity in every hospital. Today in hospital everything is computerized. It contribute a lot of the hospital administration where all the administrative process are computerized. It helps to record the details of patient and there medical history. It is also associated with the research and inventions in health sectors. Various research and studies are carried out with the help of various applications in the computer. Medical laboratories around the world use computer technology to test thousands of different compounds for traits that could one day turn them into life- saving drugs. In medical diagnosis computer-aided medical diagnosis (CAMD) are procedures in medicine to assist radiologists and doctors in the interpretation of medical images.



Mr. I. SAKTHI., I BSC CS



BIG DATA

Big data is a data known as three v's volume, variety and velocity. Big data refers to the data in larger, diverse set of information that grow at ever increasing rates. It has volume of information, the velocity or speed which it is the data created and collected, and the variety of the data points being covered. Big data can be collected from publicly shared on social networks and websites, for example: Facebook, Instagram reels, you'll be creating post, comments, like and share. In that the large data can be collected regarding your post for which you're creating like any festival times or in any celebrities birthday like that it's goes on, the data will be gathered and it's used in future for anything they need from you regarding your post votes for them. Big data is most often stored in computer databases and is analyzed using software specifically designed to handle a large or complex data sets. Many companies like Facebook they use big data to generate ad by placing targeted ads to users on social media. Information is wealth.



Mr. J. KEVIN MATHEWS.,II BSC CS



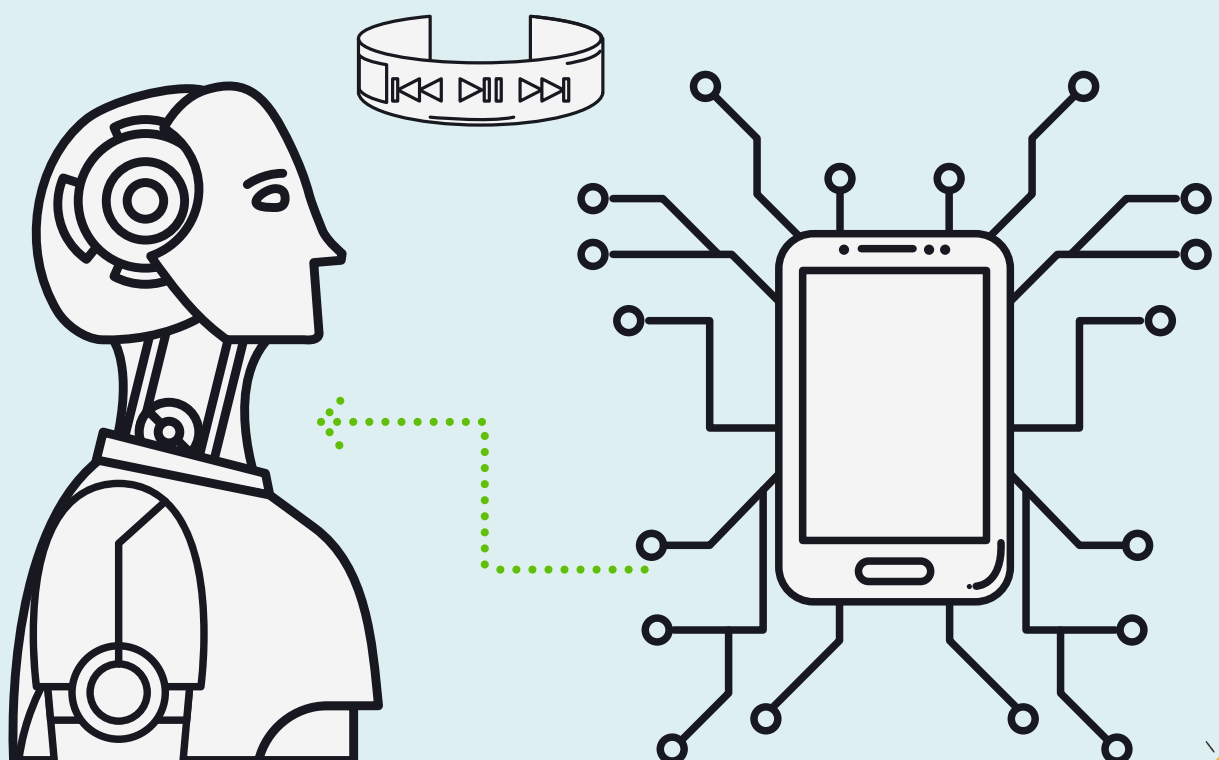


5G's TAKEOVER

The next technology trend that follows the IoT is 5G. Where 3G and 4G technologies have enabled us to browse the internet, use data driven services, increased bandwidths for streaming on Spotify or YouTube and so much more, 5G services are expected to revolutionize our lives. by enabling services that rely on advanced technologies like AR and VR, alongside cloud based gaming services like Google Stadia, NVidia GeForce Now and much more. It is expected to be used in factories, HD cameras that help improve safety and traffic management, smart grid control and smart retail too. Just about every telecom company like Verizon, Tmobile, Apple, Nokia Corp, Qualcomm, are now working on creating 5G applications. 5G services are expected to launch worldwide in 2021 with more than 50 operators offering services in about 30 countries by the end of 2021, making it a new technology trend you must watch out for, and also save a spot in. INDIA Recently in India. The Leading Telecom operators Airtel, Jio, Vodafone tested the speed of their 5G Network Technology. In that, Airtel reached the speed of 1GBPS, JIO reached the speed of 1GBPS+ and finally Vodafone said to be the fastest and exceeded the speed of 1GBPS and their maximum speed was 3.7 GBPS. Hopefully we will get to use and get amazed by 5G in the end of 2022.



Mr. S. JACKSON IMMANUEL., II BSC CS





NAZARETH COLLEGE OF ARTS AND SCIENCE
DEPARTMENT OF COMPUTER SCIENCE
LOGIN LAURUS ASSOCIATION
ANNUAL REPORT 2020-2021

ABOUT THE ASSOCIATION

LOGIN LAURUS “conserving victory” Association of the Department of Computer Science is a platform for computer pursuing students to enhance the interpersonal and leadership skills among the students. The Association also helps the students to keep in track of current trends in IT field by organizing and participating in various IT related events.

ODD SEMESTER

INTRA DEPARTMENT E_QUIZ REPORT

The Department of Computer Science in association with Internal Quality Assurance Cell organized an " Inter Department Online Quiz -2020" on 24.6.2020 to 26.6.2020 during this pandemic period. Students from various departments were participated in the event. The quiz questions were based on Microsoft Office. The total no of students participated in this e-Quiz were 216. e-Certificate will be generated to the students those who scored above 60%. Students gained knowledge in MS-Word, MS-Excel and MS-PowerPoint. It was an informative event and each student participated actively and acquired knowledge.

INTERNATIONAL WEBMINAR

The Department of Computer Science conducted International webinar on “Software as a service in cloud computing - The big Picture” for Students, Assistant Professors, Research Scholars and Industrialists on 30th June 2020 between 10 AM and 11 AM through Google Meet. The Resource person for the webinar was Mr. Jim Nelson, Senior Software Engineer, Cox Automotive, Phoenix, AZ, USA. Two Hundred participants actively joined the webinar. The participants were different states of India and from other countries like Singapore, Malaysia and USA.

INTRA DEPARTMENT E_QUIZ

The Department of Computer Science in association with Internal Quality Assurance Cell organized an " Intra Department Online Quiz -2020" from 02.07.2020 to 04.07.2020 during this pandemic period. Students from department of computer science participated in the event. Questions from Programming Languages such as C, C++, Java and Python were asked in thee-quiz. A total of 41 students participated in this e-Quiz. e-Certificate that are generated. automatically were given to those score above 60%. It was an informative event and each student participated actively and gained knowledge.

ICE BREAKING SESSION

The Department of Computer Science conducted Ice breaking session and Orientation on





Gender Sensitization for B. Sc (CS) students. The program was conducted on 28th July 2020, from 10:00 am to 11:30 am through the Google meet platform. Students from III B. Sc (CS) actively participated in the program. A speech on the topic “Gender Equity and Gender Equality” was delivered by Ms. Mano Ranjithm, Vice Principal & HOD, Department of Computer Science, to create social awareness among the students. The ice breaking session was conducted by the class in charge Ms. R. Kaviyarasi , Assistant Professor, Department of Computer Science.

E_WORKSHOP

The Department of Computer Science hosted a workshop on “Road Map to Intellectual Property Rights and Patent Filing” on 21 st August 2020. The eminent resource persons Dr.D. Chandra Mohan, Professor, St. Peter’s Institute of Higher Education and Research and Dr.C.R. Rene Robin, Professor (CSE) & Associate Dean, Jerusalem College of Engineering for the session I & II respectively. The workshop started at 12.00 pm with a prayer song. Mr. M.Vishal, of III B.Sc (CS) welcomed the gathering. The College Principal Dr.E.Mary Angeline felicitated the workshop and also released the department newsletter “Array Express”, the first issue. Ms.E.Mano Ranjitham, Head, Department of Computer Science gave a brief introduction about the workshop. Ms.R. Meenakshi, Assistant Professor, Department of Computer Science introduced the resource person Dr.D. Chandra Mohan for the session-I. Our Resource person addressed the gathering. He elaborated on Intellectual Property with real time examples. He highlighted the patent and its importance, Patentability Criteria Requirements for Patentability, One product, many IP rights, Documents required for filing a patent application, Complete Specification of Patent and benefits of patent. All students of Department of Computer Science attended the session.

TECH – WEEK

The Department of Computer Science in association with Internal Quality Assurance Cell organized “Login Laurus” conducted Tech Week 2020 from 1/12/2020 to 7/12/2020. Students from our department participated in the event.

The events conducted for the tech week 2020 are

1. Voice on Python
2. Rap on IOT
3. Tech News on Current trends in IT field
4. Ink on Digital transformation of students in Tamil Nadu during Covid – 19 pandemic
5. Paint on Artificial Intelligence
6. Bug free on Code and
7. App on Sales of used equipment tools.

The students participated enthusiastically in all the events and showcased their talents. Totally 50 participants registered for the events. Dr.J.C.S.Victor Paul., Gusto – GITMS and Ms. Lavanya (NIIT) acted as a judge for the events and they were given criteria for the events. The students were gained knowledge in Writing, Drawing and Speaking Skills. Overall it was an interesting and innovative weekend for all the students.





EVEN SEMESTER

GENDER SENSITIZING PROGRAM

The Department of Computer Science in association with IQAC organized a webinar on “Gender Sensitization Program” as a part of Department activity, on January 27, 2021. The event was presided by Dr.FIROS A, Assistant Professor, Department of Computer Science and Engineering, Rajiv Gandhi University (A Central University), Rono-Hills, Doimukh, Arunachal Pradesh, India. He gave a talk on equal rights among genders. He explained in detail about gender equality, equity and discrimination to meet the society. He also explained about tools to fight back with equal rights. He explained about various initiatives taken by all institution to promote innovation in sensitizing genders. He concluded the talk with the various strategies that should be adopted at institution level to encourage the students towards sensitization. All students of Department of Computer Science attended the session.

ALUMNI MEET

The department of Computer Science conducted its Alumni Meet on February 04, 2021. Guest Speaker of this program was Mr.JACOB , Change Manager in IT Service Management ,DXC Technology ,2005 batch.. He started his speech with memories of college days and remembered a lot and shared. He had taken immense pleasure in thanking Management, Department, Staff members for their support and Alumni to take some time out of their busy schedule and attended the meet . He motivated the students to take part in all activities and shared his experience in this college. He believed that our college is one of the great institution of the city. He had lot of fun in recounting the past memories. He asked the students to stay focus on studies and do their PG courses. Nearly twenty five students of passed out batches attended the session.

ORIENTATION PROGRAM

The department of Computer Science conducted Orientation Program for I Year students on February 22, 2021. Program started with prayer and Ms.E.Mano Ranjitham , Vice Principal and Head ,Department of Computer Science Greeted the students to the Department with her motivational speech. Each staff members in the department introduced by her and also by themselves to the students. Student Introduction session started and each every students introduced themselves. Ms.R.Meenakshi, Assistant Professor ,conducted Ice breaking session to entertain the students and also she explained about the department and its various activities. Students enthusiastically participated and enjoyed a lot. Best practices of the department at college level is clearly notified to the students by Ms.R.Kaviyarasi, Assistant Professor. Ms.S.V.Rajiga, Assistant Professor ,explained clearly about Internal and External Mark criteria's followed at University and College level. Finally sweets distributed to the students as a token of love. Session ended with warm wished to the students.

GUEST LECTURE

The Department of Computer Science conducted Guest Lecturer on “Programming in Java”





for II year Students on 9th March 2021 between 10:00 AM to 11:00 PM through Google Meet. The Resource person for the webinar was Dr.D.Kalpana, Assistant Professor, Department of Computer Science, Jayagovind Harigopal Agarwal Agarsen College, Madhavaram. She discussed about Applet Window Toolkit(AWT) concepts which are essentials for the understanding of Java Programming.

The Department of Computer Science conducted Guest Lecturer on “Data Communication and Networking” for III year Students on 9th March 2021 between 11:40 AM to 12:25 PM through Google Meet. The Resource person for the webinar was Ms.V.Lakshmi, Assistant Professor, Department of Computer Application, Thirumagan College of Arts and Science, Thiruvallur. She discussed about Switching concepts which are essentials for the understanding of Networking.

The Department of Computer Science conducted Guest Lecturer on “Programming Model of 8085 Microprocessor” for I year Students on 10th March 2021 between 10:00 AM to 11:00 PM through Google Meet. The Resource person for the webinar was Mrs. V.Savithri, Head, Department of Electronics Science, Mar Gregorios College of Arts and Science, and Mugappair. She discussed about the Programming Model concepts which are essentials for the understanding of 8085 Microprocessor.

The Department of Computer Science conducted Guest Lecturer on “HTML Server Controls in ASP.NET” for III year Students on 11 th March 2021 between 10:00 AM to 11:00 AM through Google Meet. The Resource person for the guest lecturer was DR.A. HENCY JULIET MCA.,M.Phil.,M.Sc (Phy)., B.Ed., PGDCA., Head of the Department, Mar Gregorios College of Arts & Science, Block No.8, College Road, Mugappair West, Chennai – 600 037. She explained that the HTML server controls are basically the standard HTML controls enhanced to enable server side processing.. Then she discussed about various types of HTML Server Controls and their properties.

NATIONAL LEVEL WEBINAR

A National Level Webinar on “Sensitizing Trends And Cyber Frauds” was jointly organized by the Department of Computer Science at College level and along with Heritage Foundation Regional Resource Training Centre on March 12, 2021. Dr.DOREEN ROBIN, Data Scientist, MI DI Trainer, Director , CIRF & Administrator, BMHSS, and Mrs.ADHILAKSHMI LOGAMURTHY, Advocate, Social Activist Legal Consultant,Trainer, was invited as guest of speaker of the day. Mr.K.R.Gangadharan , Founder, Heritage Foundation, Regional Resources and Training Center, Chennai, conducted the program. The speaker started the session by asking the wellness of the participants. She clearly explained about the frauds in Online Shopping, Mobile Applications and Social Media. She also elaborated how to register Cyber Crime complaints. She clarified about Phishing, Ink Wire Screen Share Application and also about privacy on whatsapp. The second session started with usage of technology pointing Cyber Crimes. She clearly stated reasons of how this technology is misused now a days.





She explained about how safety starts from each and every home. She also clarified about the laws available to tackle this kind of cyber issues. The registration fees were free of cost and the total number of registrations received was one hundred and eighty three and participants were seventy five which included Students, Faculty from schools and colleges, NGOs, Senior Citizens , Parents and Research Scholars.

ASSOCIATION FUNCTION

The Department of Computer Science in association with IQAC organized a webinar on “A Shield Of Security In Cyber Sniffing” as a part of Department Association Function LA CORSA'21 , on March 18, 2021. The event was presided by Dr.Praveen Manohar, Director , BOT, Chennai. The Academic Dean Ms.K.Alamelu felicitated the workshop and also released the department newsletter “Array Express”, the second issue. The speaker explained in detail about how to identify the client/server communication and address it. He elaborated the issues on sniffing and also how to safeguard secured channel among the network users. He gave a talk on various sniffing tools that secure the internet users from some sort of technical frauds. He narrated the precaution measures against sniffing. He also explained about usage of encryption using various protocols and its role in security. He concluded his talk with the various strategies that should be adopted at user level to overcome the issues related with cyber frauds. All students of Department of Computer Science attended the session.

HIGH ACHIEVERS PROGRAM

The Department of Computer Science conducted its High Achiever Program on April 17, 2021. Guest Speaker of this program was Alumni of our Department Ms.P.Priyanka , Teacher, Shree Niketan Patasala(CBSE) ,2019 batch. Program began with Welcome Address by Ms.C.J.Agnes Merlin of II B.Sc(CS). She started her speech with memories of college days and remembered a lot and shared with participants. She had taken immense pleasure in thanking Management, Department, Staff members for their support and also participants for attending the program. She motivated the participants in a better way to become a high achiever.

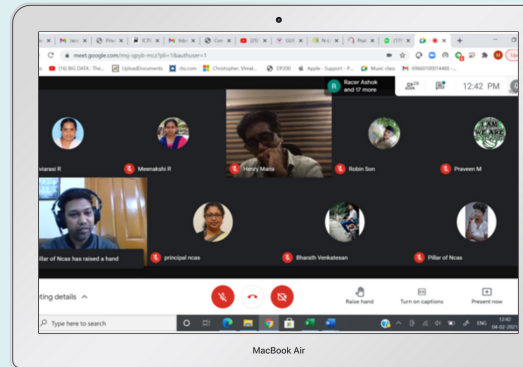
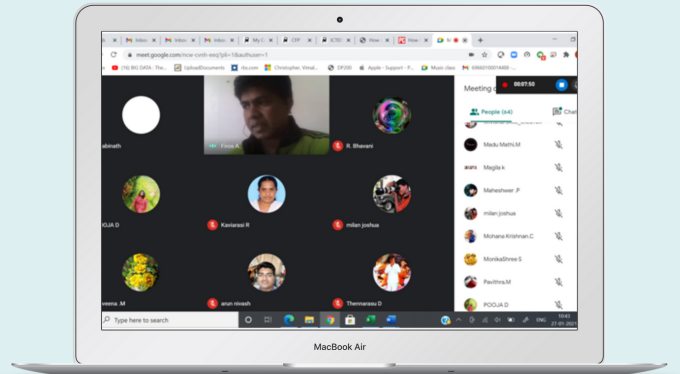
E_SHARING PROGRAM

The Department of Computer Science conducted E_Sharing Program on April 30, 2021. Guest Speaker of this program was Mr. M. Nithyanandan , Guest Lecturer, Department of Network Systems and Information Technology , University of Madras. He spoken in the topic of Machine Learning .He shared his thoughts about Machine Learning and its benefits. He explained from the fundamentals of machine learning to the depth of its concept. He explained in simple way so that the students understand the concept easily.





PHOTOS





PHOTOS



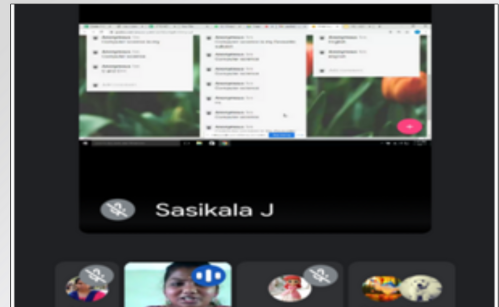
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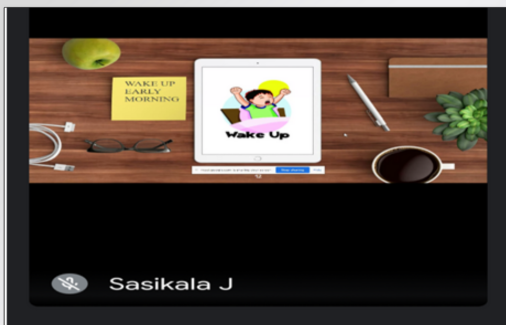
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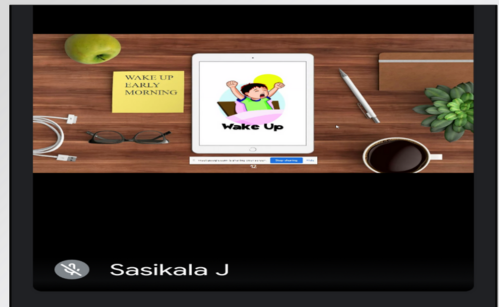
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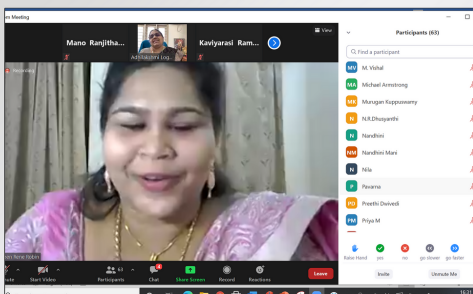
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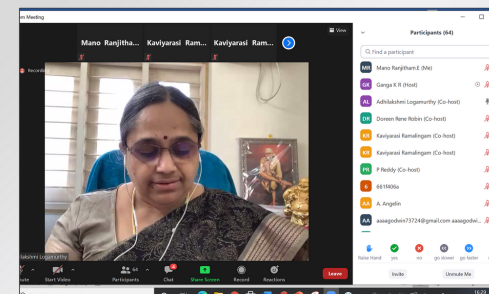
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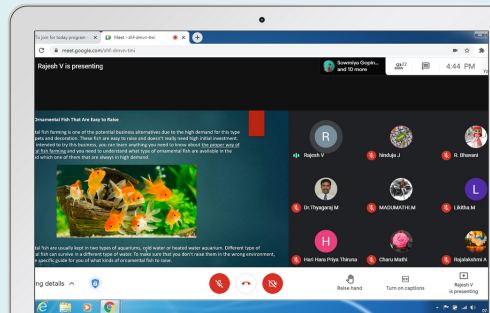
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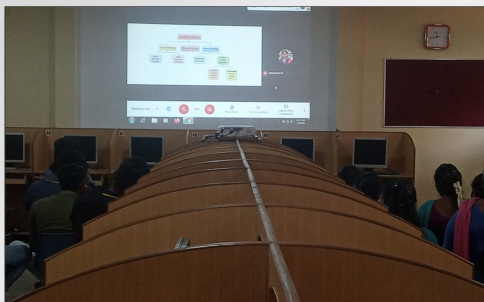
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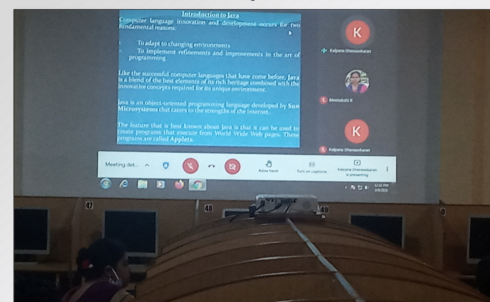
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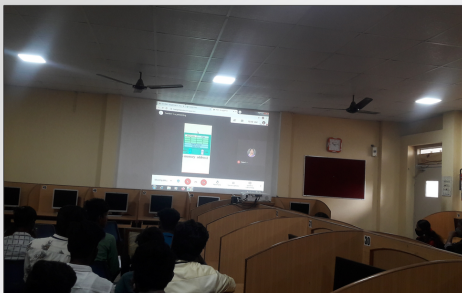
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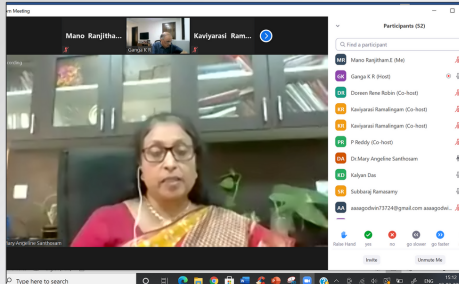
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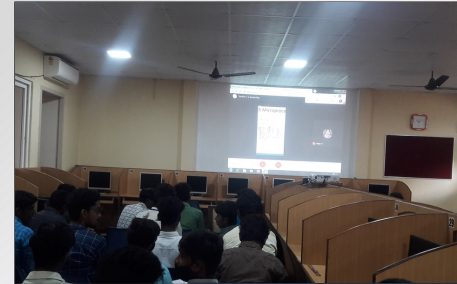
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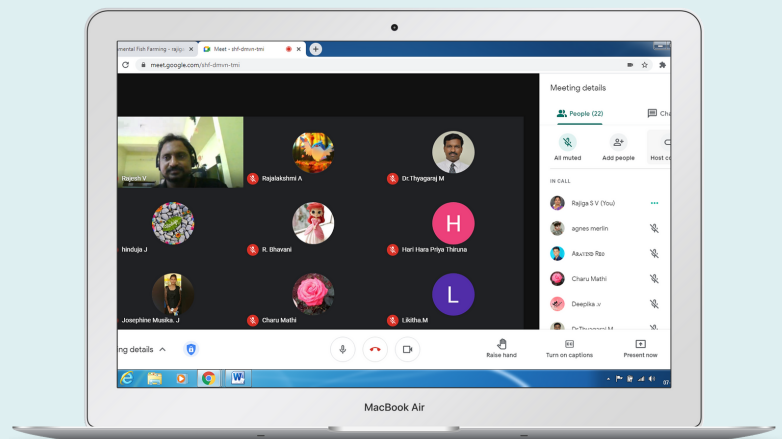
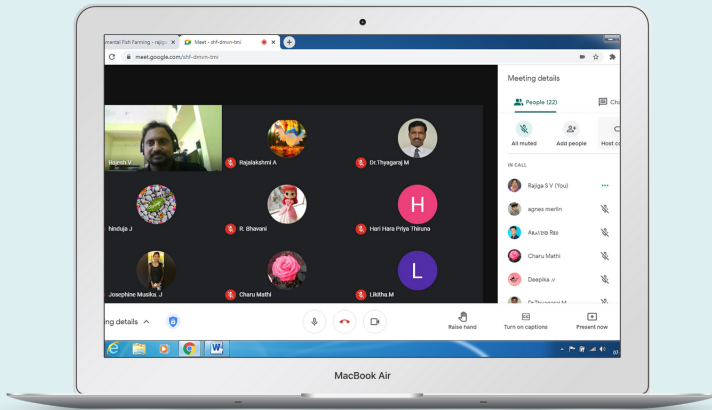


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PHOTOS



BOOK RELEASE



The Staff members of Department of Computer Science released a book for Python named “Problem Solving Using Python”. Ms. E. Mano Ranjitham, Head of the Department and Ms. R. Kaviyarasi , Assistant Professor combinely published the book. It consist of the UG Syllabus for I Semester of B. Sc CS students. It was so useful to the students for their University Examinations.





FROM EDITOR'S DESK

First I would like to thank for the opportunity given to me to pen few words on this News Letter. I am happy to communicate with you through this page. I wish to share my thoughts with you regarding the News Letter's Third issue....

It gives me immense pleasure to bringing out this issue in a successful manner. Success of this effort to bring out the result of dedicated teamwork put in by all concerned. The Editorial Committee feels privileged in presenting this special issue. Enjoy the Gems of Array Express...

I was so thankful to Vice Principal and Head Of Department Ms. E. Mano Ranjitham for her support in all endeavors.

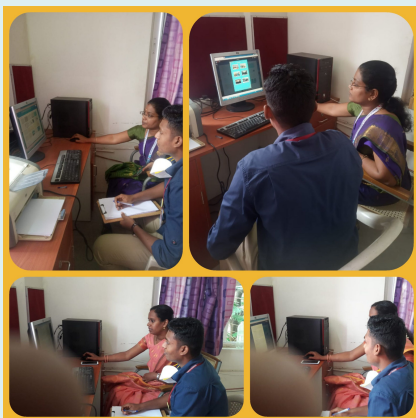
Here is the time to thank my Co Staff Ms. R. Meenakshi and Ms. R. Kaviyarasi for their support in providing me all the details related to the News Letter on timely basis.

I would like to thank Student Editor Mr. J. Kevin Mathews for his dedicated work among this News Letter.

I really enjoyed a lot while doing activities like collecting articles from outsiders, Alumni, Staff Members and Students as well as molding it in a structural way to bringing out this News Letter in a formatted manner.

Last but not least I thank my dear students for their effort in bringing out this News Letter in a beautiful and pretty way.

Ms. S. V. RAJIGA
Assistant Professor
Department Of Computer Science





BEST PRACTICES

VIRTUAL LEARNING

CLASSROOM SEMINARS

E SHARING

UG INTERNSHIP TRAINING

PEER UPDATION

STOP, OBSERVE UPDATE(SOU)

MOU WITH VARIOUS ORGANISATIONS

ALUMNI MEET

GUEST LECTURES

HIGH ACHIEVERS PROGRAM

SLOW LEARNERS PROGRAM

INNOVATION CLUB ACTIVITIES





NAZARETH COLLEGE OF ARTS & SCIENCE

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