



PUNJAB ASSOCIATION'S



ANNA ADARSH COLLEGE FOR WOMEN

Affiliated to University of Madras
Re-accredited by NAAC with 'A++' Grade
2(f) status under UGC Act

DEPARTMENT OF COMPUTER APPLICATIONS

SHIFT - II

TECHZINE

BI-ANNUAL DEPARTMENT NEWSLETTER
FEBRUARY 2024

ISSUE I

VOLUME 3

BCA SHIFT-II

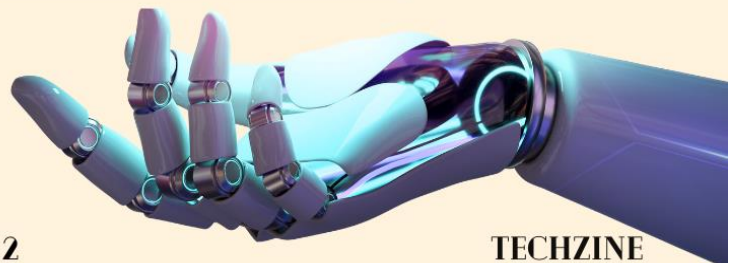
TECHZINE ISSUE I



DEPARTMENT INSIGHT

BCA Department (as per India Today Ranking in 2022)

- * Ranks 99 @ National level*
- * Ranks 10 @ Chennai level*
- Owing to the demand of the course, the department has introduced an additional section in the current year.*
- Our staffs authored the books on technical subjects like Ethical Hacking, Computer Networks etc.*
- Dr.R.Anandha Lakshmi, Head of the department conferred with "Best Teacher" award during the year 2023.*
- The department organizes Value-based courses, skill-based courses to upgrade student's knowledge.*
- To bridge the gap between their learning the department conducted "Bridge Courses" for the students.*
- "Add-on courses" are organized to enhance technical skills.*





WALL OF HONOUR



Dr.R.Anandha Lakshmi and Dr.Madhumathi.K authored a book on ETHICAL HACKING



Dr.N.Geetha lakshmi authored a book on DATA MINING CONCEPTS AND TECHNIQUES and Dr.D.Seethalakshmi authored a book on COMPUTER NETWORKS



Dr.R.Anandha Lakshmi, Assistant Professor & Head of the Department of BCA Shift-II, received an Active SPOC Certificate from NPTEL in appreciation of enrolling more students in various NPTEL courses.



STAFF ACTIVITIES

Dr.R.Anandha Lakshmi

M.Sc., M.Phil., Ph.D.,
Assistant Professor & Head

International FDP - 4
FDP Attended - 1
Book Publication - 1
NPTEL Course Attended - 1

Ms.M.Maheswari

M.Sc., M.Phil., (Ph.D.),
Assistant Professor

International Workshop - 1
FDP Attended - 1
Paper Publication - 1

Dr.Madhumathi.K

MCA., M.Phil., Ph.D.,
Assistant Professor

International FDP - 4
National FDP Attended - 1
FDP Attended - 2
Book Publication - 1

Dr.N.Geetha Lakshmi

MCA., M.Phil., Ph.D., SET,
Assistant Professor

International FDP - 1
National FDP Attended - 1
FDP Attended - 2
Book Publication - 1
NPTEL Course Completed - 2

Ms.C.Vanisri

M.Sc., M.Phil., SET,
Assistant Professor

International FDP - 2
National FDP Attended - 3
Workshop - 1
NPTEL Course Completed - 1

Dr.D.Seethalakshmi

M.Sc., MCA., M.Phil., Ph.D.,
Assistant Professor

International FDP - 2
National FDP Attended - 3
Workshop Attended - 1
Book Publication - 1

Ms.B.Keerthana

M.Sc., NET,
Assistant Professor

NPTEL Course Attended - 1
FDP Attended - 1

Ms.G.Narmadha

M.Sc., NET., (Ph.D.),
Assistant Professor

International FDP - 3
FDP Attended - 3
Webinar - 1

STAFF ACTIVITIES



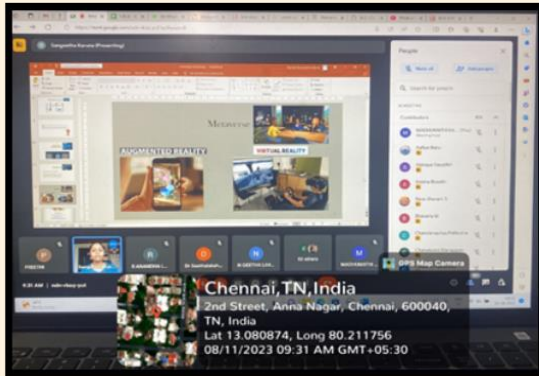
To update themselves technically our staffs have taken up **NPTEL** courses regularly and completed the following courses

1. CLOUD COMPUTING
2. INTRODUCTION TO IOT
3. BIG DATA COMPUTING
4. ETHICAL HACKING
5. CYBER SECURITY AND PRIVACY
6. GOOGLE CLOUD COMPUTING FOUNDATION
7. PYTHON FOR DATA SCIENCE
8. PROGRAMMING IN JAVA

- 4 of our staffs have their Doctoral degree and 2 of our staffs pursuing their doctoral degree.
- Our faculties are Question paper setters, Scrutiny member, Evaluators, External examiners in various prestigious colleges in the city.
- Our faculties also act as resource persons and judges of various event in the prestigious colleges in the city.



DEPARTMENT ACTIVITIES

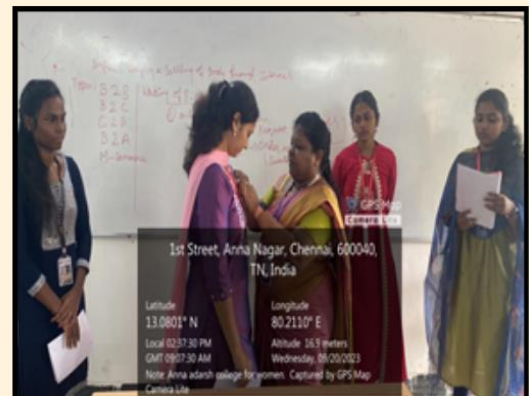


EMERGING TECHNOLOGIES IN COMPUTER FIELD 11.08.2023

The Institution's Innovation Council along with Department of Computer Applications Shift-II conducted a Webinar on the topic "Emerging Technologies in Computer Field". The main aim of this event is to create an inspiration among the students about the importance of technologies in the computer field.

"INVESTITURE CEREMONY" "ELITE BUDS" - STUDENTS' CONSORTIUM OF BCA SHIFT-II 20.09.2023

The Student consortium Elite Buds has been inaugurated to organize department events for the academic year 2023 -2024. The five Student members as office bearer group are honored with the badges by head of the department Dr.R.Anandha Lakshmi.



FIND YOUR FUTURE IN DATA SCIENCE 20.09.2023

The chief guests gave valuable information to the students to work with data science projects, Jupyter notebook, Pictoblox, MIT app inventor, and how to do data analytics, which will help the student get a better road map to find their project and internship in the concerned field.



DEPARTMENT ACTIVITIES



TECH SHOTS'24

16.02.2024

The Department of BCA Shift II organized an inter-departmental technical paper presentation competition on 16-02-2024 by 1.30 PM at the conference hall. This session provided an ideal opportunity to showcase their technical skills and develop the ability to explain technical concepts clearly and concisely.

TECH SPLASH '24

23.02.2024

In commemoration of National Energy Conservation Day, a poster-making competition was conducted, which inculcated in the students awareness of global warming and climate change and promoted efforts towards saving energy resources.



GLIMPSE OF PHOTOS





STUDENT ACHIEVEMENT



“

Students from III BCA won **Overall and 2nd Prize** in Potpourri at Aurora'24, conducted by Madras Christian College .

”

“

Lathika S & Preyanka S M from III BCA won **2nd Prize** in the event Twin Tap in Our college culturals Meghmalhar'24



”



“

Shivaranjini D and Kavya G from II BCA won **2nd Prize** in the Web Designing event at our college, conducted by the PG Department of Computer Science

”

“

Pranavaa shree A of III BCA - **1st place** in Voice-over competition
Jisha C and Deepika R of III BCA - **3rd place** in Meme Master competition
Monika R of III BCA - **3rd place** in Teck- Disp
--conducted by Sri Kanyaka Parameswari Arts and Science College for Women.



”



“

Lathika.S and Madhumitha.R got "Best performance" from Naan Mudhalvan class.

”



STUDENT ACHIEVEMENT



RUPIKA - I BCA 'B'
3RD PRIZE IN AD CREATION



NISHITHA N - I BCA 'A'
1ST PRIZE IN LOGO DESIGNING



PRIYA DHARSHINI, D. J - I BCA 'B'
2ND PRIZE IN SCREEN TIME



JANANI B - I BCA 'A'
1ST PRIZE IN LOGO DESIGNING



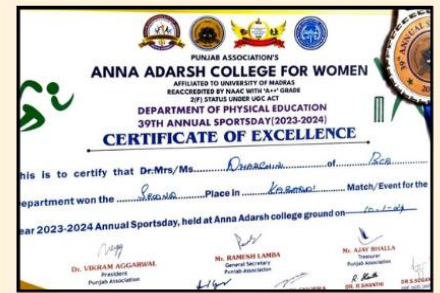
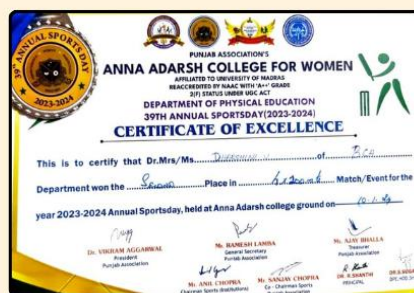
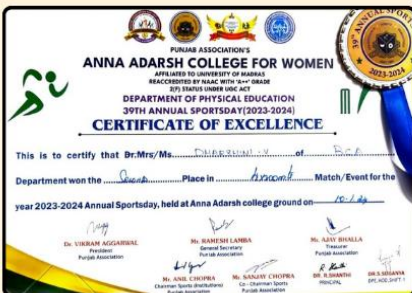
THRISHA S - III BCA
2ND PRIZE IN QUIZZY BUZZER



SOWMIYA - I BCA 'B'
3RD PRIZE IN AD CREATION



SPORTS ACHIEVEMENTS



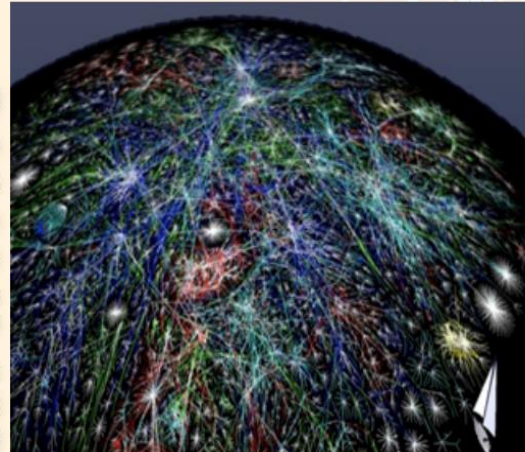
--DHARSHINI V
I BCA 'A'

INTERNET OF THINGS

-NADHEERA . M , I BCA 'B'

What is IoT?

The Internet of Things (IoT) describes the network of physical object “things” that are embedded with sensors, software, and other technologies for the purpose of connecting and exchanging data with other devices and systems over the internet. These devices range from ordinary household objects to sophisticated industrial tools. With more than 7 billion connected IoT devices today, experts are expecting this number to grow to billion by 2020 and 22 billion by 2025. Oracle has a network of device partners



IOT RISKS

Common IoT attacks include privilege escalation, which exploits vulnerabilities like bugs or design flaws to get access, and firmware hijacking, which uses fake updates or drivers as a means to download malicious software.

THE INTERNET OF THINGS

“The next logical step in the technological revolution connecting people anytime, anywhere is to connect inanimate objects. This is the vision underlying the Internet of things: anytime, anywhere, by anyone and anything” – ITU, November 2005



GREEN COMPUTING

-SAI RUPIKA K.A , I BCA 'B'

WHAT IS THE NEED OF GREEN COMPUTING??

- Computer energy is often wasteful while leaving the computer on when not in use it is used due to toxic chemicals involved in the manufacturing. It's advantages are energy saving, power management, minimizes emissions and virtualization and more....



EXAMPLES

- Updating technologies and architecture to consume less energy.
- Using cloud or local data storage.
- Utilizing virtualization and virtual machine technology.



BITMAP

- LEKHASRI.D, II BCA

BITMAP, method by which a display space (such as a graphics image file) is defined, including the color of each of its pixels (or bits). In effect, a bitmap is an array of binary data representing the values of pixels in an image or display. A GIF is an example of a graphics image file that has a bitmap. When the GIF is displayed on a computer monitor, the computer reads the bitmap to determine which colors to use to “paint” the screen. In a bitmapped font, each character is defined as a pattern of dots in a bitmap.

A pixel represents the smallest element of a bitmapped graphic. Each pixel is a single block of color stored as a binary value. If you open a bitmapped graphic in a photo editor and zoom in, as shown in the figure above, you will see the pixels.



VIRTUAL REALITY

-DHARSHINI SRI.P, II BCA



Virtual Reality (VR) is a computer – generated environment with scenes and objects that appear to be real, making the user feel they are immersed in their surroundings. This Environment is perceived through a device known as a Virtual Reality headset or helmet. Virtual reality (VR) is a simulated experience that employs posetracking and 3D near-eye displays to give the user an immersive feel of a virtual world. Applications of virtual reality include entertainment (particularly video games), education (such as medical or military training) and business (such as virtual meetings).

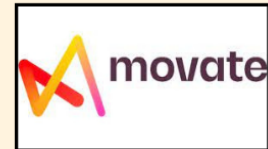
There are 3 primary categories of virtual reality simulations used today: non-immersive, sem immersive, and fully-immersive simulations. With these glasses, called a VR headset, you can look around, play games, and even “visit” places like the pyramids in Egypt.



PLACEMENT CORNER



BATCH : 2020 - 2023	
STUDENT NAME	COMPANY NAME
KOMAL KAPOOR S	Movate Technologies
DIVYASRI.B	CTS
JEEVASHRI.M	TCL
NIVETHITHA.R	Accenture
KAVITHA.S	Condé Nast
GOPIKA.S	NetAmbit
SHALINI.D	
BATCH : 2021 - 2024	
VARUNA PRIYA.C	TCL
THIRSHA.S	
SHIVAANI.M	Airtel
SHANMUGAPRIYA.S	
SUJETHA.S	
MONIKA.K	
SHARON AMRITAA MARY E M	
MONIKA.K	Accenture
MUTHULAKSHMI.M	
JEBA.U	
PREYANKA.S.M	
PRANAVAA SHREE.A	Sutherland
LATHIKA.S	
DURGA.A	
REETHIKA REDDY	
KARTHIKA.M	



ELITE BUDS

- For the Students By the Students

STUDENT CONSORTIUM



**LATHIKA S
PRESIDENT**



**PREYANKA S M
CULTURAL SECRETARY**



**MONIKA S
VICE - PRESIDENT**



**DEEPIKA N
ASST. CULTURAL SECRETARY**



**DHARSHINI V
SPORTS SECRETARY**

STUDENT INVESTITURE CEREMONY



ALUMINI CORNER

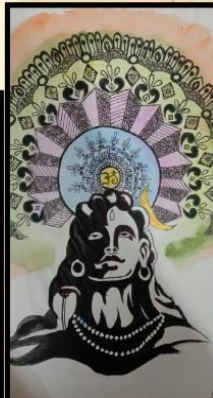
1. கல்லூரியின் கடைசி நாள்,
அந்தப் பாடல் ஒலி கடைசியில்
எங்களுக்காகவும் ஒலித்தது
மெல்ல மெல்ல
நினைவுகளில் மூழ்கினோம்
கண்ணீரும் தளும்பியது
இதுதான் வசந்தகாலத்தின் முடிவா.....



-விஜயலக்ஷ்மி
(2019-2022)

2. கண்ணீரில் தொடங்கி கனா, இன்பம், துன்பம், நட்பு,
துரோகம் என பலவற்றை கற்றுக்கொடுத்து
வாழ்க்கை எனும் சாலையை துவக்கி வைத்தாய் நீ.....
உன்னோடு கழித்த நாட்களே இன்பம் என்று அறியாது
உன்னை முடித்திட நினைத்தோம்...
முடித்து சென்றிட உன் நினைவில் அலைந்தோம்....
மீண்டும் மாணவனாக தொடங்க துடித்தோம்.....
எங்களை மீண்டும் அரவணைத்து...
ஏற்றுக் கொள்வாயா....
என் கல்லூரி வாசலே.....

-சந்தியா.ஜே(2019-2022)



-என். வித்யாபூர்ணி(2018-2021)

ART WORK



1.Lekha sri.D

2.Janani.B

3.Sowmiya.S

4.Hasmathunnisa.S

5.Shivaranjini.D

6.Harini.D

7.Nivedha.M

8.Dharshana.R

9.Priyadharshini.R



WALL OF FAME



BRAVE CALM AWESOME



BCA



"Cultivate the habit of being grateful for every good thing that comes to you, and to give thanks continuously. And because all things have contributed to your advancement, you should include all things in your gratitude."

-Ralph Waldo Emerson

EDITORIAL TEAM



Ms.C.VANISRI
ASSISTANT PROFESSOR
DEPARTMENT OF BCA SHIFT - II



KAVYA G
BCA II YEAR



SHIVARANJINI D
BCA II YEAR