



V.E.T. First Grade College

Permanently Affiliated to Bangalore University, Recognised u/s 2(f) & 12 (B) of UGC Act)
NAAC accredited Grade A

TECH-TRINITY

DEPARTMENT OF COMPUTER SCIENCE



ABOUT THE INSTITUTION

VET First Grade College is one of the units of Vasavi Educational trust which was established in 1995 under the able and visionary leadership of Sri B V Rathnaiah Setty, Founder president of the trust. Since inception, the college is instrumental in offering best in class education to the neediest sections of the society. The main aim of the institution is to enable students to meet the challenges of the 21st Century information era. The institution is accredited by NAAC and recognised by UGC and included under 2(f) in the year 2012 and 12(B) in 2016. The institution offers state of art laboratories and infrastructural facilities required for the overall development of the students and faculties alike.



ABOUT THE DEPARTMENT

The department offers a three year full time honors course in BCA. The department was established in 2009. The discipline acquires growing importance because of the recent development in the computer related industries. Designing, construction and testing the various computer based systems, utilizing up to date programming languages, hardware and computer based implementation will be the main features of the course providing a thorough and in depth insight of the advancement in the sector.

VISION

To offer up to date and flexible programs which will allow our graduates to be competitive in the job market and striving to provide a hands-on approach in teaching computer related courses. Creating leaders and innovators in industry, education, and various other fields of the society.

MISSION

To provide students and faculty with an open environment that fosters professional and personal growth. To provide an excellent education in all computers related fields. To prepare students for careers in industry or to pursue advanced graduate studies. To provide a teaching environment that emphasizes depth, originality and critical thinking

PRINCIPAL'S DESK



Yet another successful year is reflected in "Tech Trinity" which was focused with lot of commitment to excellence, innovation, and industry collaboration is truly commendable. Students innovative project presentation during PEER team visit of 3rd cycle NAAC made us feel proud. The improvement of the department year after year in number of students admission, improvement in curricular and extra-curricular activities are being progressive. This is possible with the dedication of head of the department Febina and her team in exploring the interest of the student and developing their future.

Dr. R. PARVATHI

M.Com, M.Phil., Ph.D. (Fin), Ph.D. (Commerce), CIC, DCA
PRINCIPAL & ACADEMIC DIRECTOR

DEPARTMENT PROFILE



Mrs. FEBINA K S
MCA
COORDINATOR



Mrs. SHAMIM UNNISABI
M.TECH
ASST. PROFESSOR



Mrs. ROOPA R
MCA
ASST. PROFESSOR



TANUJA HEMCHAND
M.Sc Mathematics
ASST. PROFESSOR



Ms. AISHWARYA
M.SC COMPUTER SCIENCE
ASST. PROFESSOR



Mr. MURALI J
Dip IT
ASST. PROFESSOR

ORIENTATION PROGRAMME



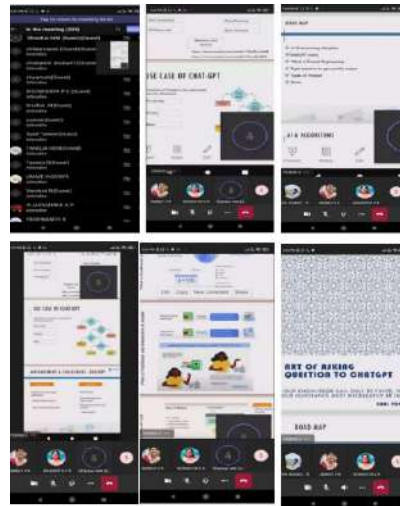
V.E.T First Grade College conducted orientation programme for the newly admitted BCA 1st year students (Batch 2023-2025) in the college premises on 27-07-2023 at the VET Auditorium. All the Ist Year students were present with their parents. Honourable Secretary and principal welcomed all the students and gave them a brief description on the academic activities and NEP Scheme. Students become familiar with the working of the college and develop the bonding with the college during their stay.

WORKSHOP, SEMINARS AND GUEST LECTURES WEBINAR ON “PROMPT ENGINEERING IN CHAT-GPT”

DATE: 3-07-2023

VETFGC organized a state level webinar on “Prompt Engineering in Chat-GPT” from computer science department on 3/7/2023 at 2pm, Resource person for this webinar was Mr Shankar M Mepparambath, a mentor in CARES research, training and consultancy in Bangalore. In this webinar students and faculties from different colleges of the state were joined and for this session MC was done by Febina K.S co-ordinator of BCA, welcoming resource person was done by Shamimunnissabi assistant professor of BCA and webinar was conducted through MS teams.

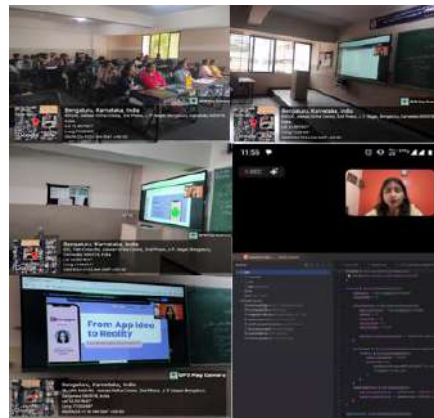
He explained about chat-GPT like how it works by giving clear idea on how AI is involved in it, and he gave brief note on prompt engineering and its types, while explaining he gave many examples and illustrated on AI algorithm, machine learning, neural networks, LLM (Large Language Model) in prompt engineering, and deep learning and many more



“WORKSHOP ON MOBILE APP DEVELOPMENT”

DATE: 09-05-2024

A live workshop on mobile app development was organized in VET First Grade College on 09-05-2024 by Joyti Sharma for the BCA final-year students. The speaker for today's sessions is Jyoti Sharma Technical Head Hardware. Cranes Varsity Pvt LTD. Android is a powerful open-source operating system that open-source provides immense features. With the advent of new mobile technologies, the mobile application industry is advancing rapidly. Consisting of several operating systems like Symbian OS, iOS, blackberry, etc., Android OS is recognized as the most widely used, popular and user-friendly mobile platform. The session started with designing a simple android app interface using android studio. She thought our student to use various applications in android studio development.



“ORIENTATION ON PROJECT DEVELOPMENT”

DATE: 28-03-2024



V.E.T First Grade College conducted a seminar on “Orientation on project Development” on 28 th March 2024 at VET College for all the 6th SEM BCA students. The resource person for the session is Mr. Lohith G, Head Glovish Technologies Private LTD., he is a software development and trainer. “Software development is critical and necessary in today corporate operations. It enables organizations to accept technological innovations and adapt to the market ever-changing expectations as the driving force behind digital transformation. Software development optimizes workflows, increases efficiency, and lowers operational costs through process automation, freeing up valuable human resources for more strategic duties. It enables the development of customer-centric applications and platforms, enabling greater client connection and increasing overall customer experience. Furthermore, software development provides companies with strong data analytics capabilities, allowing them to make data-driven decisions and identify useful insights for gaining a competitive advantage.”

“ORIENTATION ON INTERNSHIP”

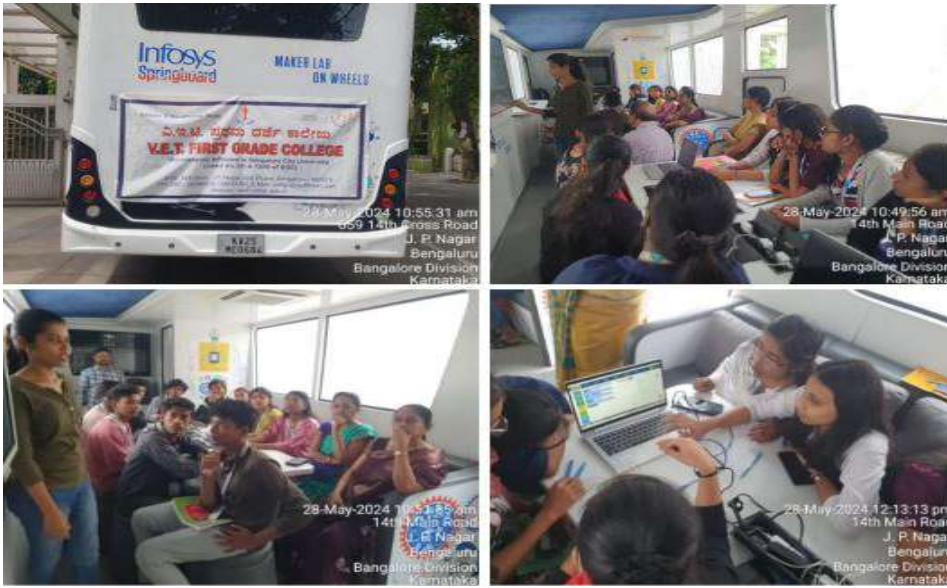
DATE: 13-05-2024

VETFGC organized an orientation for the final year and second year students of BCA this program was held on 13-05-2024 Monday. This program was started by welcoming all the participants and team Elewayte by Ms Roopa P, Assistant professor, Department of BCA and handed over the session to Mr Chethan, Resource person of Elewayte. Mr Chethan continued the session by giving brief introduction of Elewayte and about the internship plan, Elewayte has been at the forefront of both technical and non-technical domains, providing industry-ready curricula and access to leading industry experts. From Python to Data Science to Internet of Things, and from Mobile App Development to Web Development to Digital Marketing.



**“WORKSHOP- MAKERS LAB ON WHEELS
– BY INFOSYS SPRINGBOARD”**

DATE: 28-05-2024



VETFGC organized a workshop for BCA and BDA students on 28th May 2024, Makers Lab on Wheels offered by Infosys Springboard. This workshop was planned with two courses such as Traffic Lights System and Parking Precision System, Both the courses practically explained by the trainers of organization in the bus only with the well-equipped devices, they considered 10 to 20 students per batch and took one hour session of both the courses. Students gave positive feedback on the same.

EXTENSION ACTIVITY

DATE: 01-06-2024



The extension programme of the Department of Computer science of VET First Grade College for the academic year 2023-2024 was conducted on June 01, 2024, for VET Manandi Composite PU College, on this session the Infosys springboard have taken initiative to guide students by giving thorough knowledge and hands-on experience on the given courses. They organized this event on their bus only which has well equipped study material for the practical; they create a group of 10 students per batch and have trained 4 batches. VET FGC has given a platform for the students to learn new things of the current world; students utilized this opportunity well and learnt new technology

PROFESSIONAL SHORT TERM COURSES

The department of computer science offered five short term courses for BCA students to upgrade their skills and provide them with hands on application on current trends in the industry. Short-term courses can give each one a competitive edge and also helps to develop personally. After completion of the course students will get course completion certificate.

Sl No	Institution Name	Course Name	Mode	No of Hours	No of Students Attended
1	Glovisch Technologies Pvt. Ltd	Python using Machine Learning	Offline	30	38
2	NASSCOM(AISECT)	Python	Offline & online	180	67
3	IIT Mandi	Machine Learning	Offline	220	40
4	Infosys Springboard	Microcontrollers and Robotics	Offline	30	40
5	IIT Bombay	Python 3.4.3	Online	30	53

Centum Awards for Staffs

The staff members were honoured on the day of Graduation Day on 02/07/2024. Cash award and Mementos were awarded for the degree staffs for giving centum results in their respective subjects. Ms Febina KS got centum award in Java Programming, Ms Roopa P got centum award in System Programming and Ms Aishwarya P got centum in Computer Application and Information Technology.



RESULT ANALYSIS

Results Analysis will help us to understand how our students are learning and how they have performed in each area of the syllabus. The information is to identify areas of strength and weakness, where it's most needed.

II YEAR BCA

The overall pass percentage was 85% in III semester BCA June 2023 examination. Ms Evanjali topped the class securing 9.73 CGPA with 11 students securing Outstanding, 21 Students with A+ Grade, 7 students A Grade and 6 with B+ Grade.

III YEAR BCA

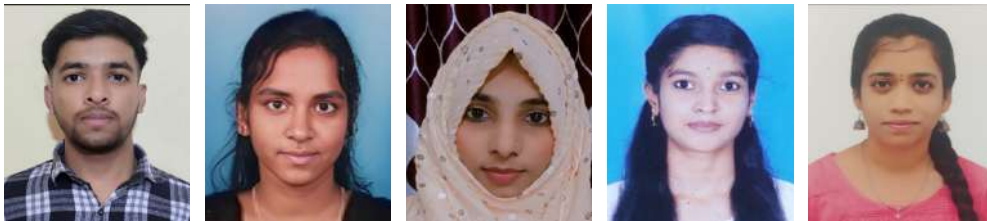
The overall pass percentage was 66% in V semester BCA June 2023 examination. Mr Ishor Das topped the class securing 9.80 CGPA in the V Semester examinations with 9 students securing Outstanding, 8 Students with A+ Grade, 5 students A Grade, 9 with B+ Grade and 12 Students with B Grade.

STUDENTS ACHIEVEMENT -2023

The final year students of BCA secured 1st ,2nd and 3rd position at Skills competition 2023-24 by NASSCOM Foundation.



Class Toppers ODD & EVEN Sem – 2023-24 Examination



Ishor Das - 9.80 CGPA **Evanjali** - 9.73 CGPA **Asiya Kouser** - 9.72 CGPA **Kavya Shree** - 9.78 CGPA **Harishmitha S N** - 9.72 CGPA

FACULTY UPGRADATION LIST

Teachers should keep upgrading their knowledge from time to time. Teaching plays a special role in the development of a student. Webinars for the teachers is also important for them to have effective class management skills. Seminars are needed to help the teachers learn or create new teaching strategies which will bring back the interest of their students in the classrooms and encourage learning.

PARTICULARS	NUMBERS
Projects guided at college	67
Webinars/Seminars/Workshop	32
Faculty Development Program	15
Publications	21+17

Techno Club: The Computer Science Technology Club

The Objective of the club is to Provide a platform for students to develop technical skills, share knowledge, and collaborate on projects. Encourage innovation, creativity, and entrepreneurship in the field of computer science. Organize workshops, coding competitions, and guest lectures to enhance technical expertise. Facilitate networking opportunities with industry experts, alumni, and peers.

The club aims at improving and Develops technical skills and knowledge, Enhances problem-solving, teamwork, and communication skills, Provides networking opportunities and industry connections and Encourages innovation, creativity, and entrepreneurship & Showcases talents and achievements.

Various Activities are conducted like

- Coding and debugging sessions
- Workshops on emerging technologies (AI, ML, Data Science, etc.)
- Guest lectures and industry talks
- Project development and presentations
- Collaborations with other departments and clubs

Placement

During the Academic Year 2023-24 1 students got placed in RSJ Inspection Service Ltd. For the Academic Year 2023-24, 24 students got placed in companies HR Labs, Child Support foundation, Solesta Tech, Team Lease, Vibrant Tech Solution, Greet Technologies Anurva Ravindu Motors Pvt Ltd



GRADUATION DAY

VET First Grade College organized graduation day ceremony on 15-07-2023 at the college auditorium. Graduates who passed out during the academic year 2023(Batch 2020-23) received their graduation certificates from Principal. The dignitaries on the dias were Chief guest Dr.V.Loksha, Registrar and Registrar-evaluation, Bengaluru City University,

The students took oath to be responsible graduates and citizens and vowed to come back to the alma mater. The graduates lead by the chief guest took a pledge to use their degrees and knowledge only for the betterment of our society. The current office bearers handed over their responsibilities to the upcoming final year students.

Office bearers set role models to promote leadership for the entire student community. They have to be the ambassadors of the school, representing the school within and outside the school. They are expected to maintain the discipline in the school and when they represent the school outside. A student leader strives to change the world by starting with their own community.



EDITORIAL BOARD

Chairperson
Dr.R.Parvathi
 Principal, Academic Director,
 VET Colleges

Editor – in -Chief:
Febina K S

Co-Editor:
Shamimunnisabi & Roopa P