VET 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. Discipline acquires growing importance because of the recent development in 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 into the advancement in the sector.

VISION

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 computer-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

I am delighted to share the achievements and ongoing progress of the Computer Science Department through newsletter- Tech trinity which captures the workshops, seminars, industrial visits, and hands-on learning of staff and students attended and organized during the year.

The Department encourages students to keep pushing boundaries, embracing learning, and striving for excellence. My encouragement to the dedication of Head of the Department Febina and her team for remarkable curricular and co-curricular accomplishments.

Dr. R. PARVATHI
PRINCIPAL & ACADEMIC DIRECTOR

DEPARTMENT PROFILE

FEBINA K S	SHAMIM UNNISABI	ROOPA P	TANUJA HEMCHAND	AISHWARYA P	MURALI J	ARUN K
MCA,	M. TECH,	MCA	M.Sc Mathematics	M.Sc	Dip IT	Dip in E&C
HOD	Asst. Professor	Asst. Professor	Asst. Professor	Asst. Professor	Technical Head	Lab Assistant

ORIENTATION PROGRAMME

V.E.T First Grade College conducted an orientation program for first-year students (SEP 2024-2027) Batch of all streams on 03-08-2024 (Saturday) in the college auditorium, inviting students and their parents. The event was hosted by Mrs. Febina K S (BCA Co-ordinator), with a welcome speech by Vice-Principal Mr. Narayanaswamy, who introduced guest Padmashri Varadarajan (Director, Avviare Compliance Solutions Pvt. Ltd.), HODs, coordinators, and the principal. "Drushti" magazine and departmental newsletters were released, and class toppers and centum holders were rewarded. Mrs. Bharathi P S introduced the management, followed by faculty introductions by Mrs. Gowri Hebbar. Mrs. Rammya explained student welfare committees and free online courses from Infosys and IIT Bombay. Mrs. Shilpa shared club activity details, and Mrs. Lokeshwari concluded with a vote of thanks. The event saw enthusiastic participation from students and parents and Students become familiar with the working of the college and develop the bonding with the college during their stay.

WORKSHOP, SEMINARS AND GUEST LECTURES

ORIENTATION ON IMPORTANCE OF TECHNICAL SKILLS, STRATUPS, INTERSHIP OPPORTUNITIES – BY PRINSTON SMART ENGINEERS

Date: 21/08/2024
VETFGC organized an orientation for the final year and second year students of BCA, this program was held on 21-08-2024 Wednesday, the resource person Ms. Farheen Farhath was representing the "Prinston Smart Engineers" institution and their opportunities given to the students to upskill their knowledge PRINSTON SMART ENGINEERS traces its roots back to 2004 in New Delhi and since then have never looked back. With Dozens of successful projects under our belt, we can proudly say that we are one of the most trusted Engineering, Maintenance, and Training Services in Delhi. For more than 13 years, Smart Engineers has offered a wide range of Maintenance Services in Delhi, many other cities of India We strive to maintain the highest standards while exceeding client's expectations at all levels. In the session she explained about the complete process of the selection for internship and the prerequisites for the same, she also said what are the benefits one can receive while doing internship with them.

ORIENTATION PROGRAM ON ENTREPRENEURSHIP – A SUCCESS STORY BY SAURAV KUMAR

Date: 18/10/2024
VET First Grade College organized an orientation program on Entrepreneurship on 18-10-2024 by Saurav Kumar CEO, RoboManthan Pvt Ltd for all the

BCA students. He explained about an essential "difference between employee and employer" lies in their core roles and responsibilities, they set goals, Effective collaboration and transparent communication are the cornerstones of a strong "employee employer" relationship. Employees depend on open communication to grasp expectations and seek necessary feedback, aligning with the "define employees" guideline of understanding their roles and contributions clearly.
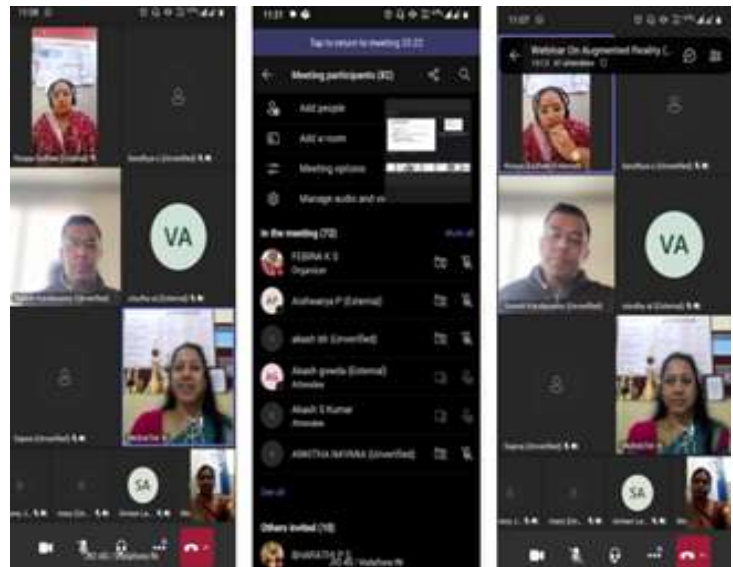
SEMINAR ON- ROLE OF AI IN DATA ANALYTICS

Date: 27/11/2024
VETFGC organized a seminar on role of AI in data analytics by Mr. Samrat Dasgupta for the 2nd and 3rd year students of BCA. The resource person had 14 years of experience in the field of human resources. He has expertise across various HR functions, including talent acquisition, talent management, HR services and strategic HR programs at a global level. AI in data analytics is the application of artificial intelligence (AI) to analyze large sets of data. This allows data analysts and scientists to uncover trends and gain insight into the behavior of consumers or other datasets. Using powerful machine learning algorithms, AI can help make sense of massive amounts of information quickly and accurately.

WEBINAR ON AGUMENTED REALITY AND VIRTUAL REALITY

Date: 20/12/2024

VETFGC organized a webinar on augmented reality and virtual reality, the future of immersive experiences on 20-12-2024 for all the computer science students at the college, the resource person Mr. Suresh Kandasamy was invited to share his views on the same. The resource person for this session was Mr. Suresh Kandasamy, currently working as head of the product delivery in Sumeru software solutions, Throughout the session he was explaining about how different technologies and software are involved in the AR and VR concept through example he clearly narrated the augmented reality and virtual reality, he also shared about the key considerations when it comes to VR and AR, AR is a digital information and VR is a Virtual information where both can be considered in the Mixed reality(MR), he gave different examples where AR and VR is involved and how it can be used for future applications in the field of technology.

SEMINAR ON AI AND DATA SCIENCE

Date: 21/02/2025

VET First Grade College Conduced a seminar on the AI and Data science for BCA 2nd year and final year students on 21 February 2025. The resource person for the seminar was Mrs. Nagesh Jayaram. He has 23 years of experience in various fields, currently working as a consultant offering Technology Consulting and Advisory Services. The topic for the seminar was AI and Data Science. He explained student that how technology helps us with day-to-day tasks. In the technology era we need to update, and we should try to use the available technology with our work. Some of the exiting technology which help us in today's world are Chat GPT, Meta AI and so on. This technology helps the students and others to have collaboration work with respected fields which gives us hands-on experience in daily life.

SEMINAR ON "GENERATIVE AI"

Date: 24/02/2025

A seminar on Generative AI was conducted for the Bachelor of Computer Applications (BCA) students, led by Dr. Vijayanand-Trainer from the AISECT (All India Society for Electronics and Computer Technology) team. The session aimed to introduce students to the revolutionary world of generative artificial intelligence, its practical applications, and how it is transforming various industries. The primary objective of this seminar was to explain the concept of Generative AI and its significance. Discussing real-world applications of Generative AI in various fields. Provide insights into the future of AI technologies, specifically generative models. Equip students with foundational knowledge that can help them explore AI technologies in their future careers

ORIENTATION ON CAREER GUIDANCE
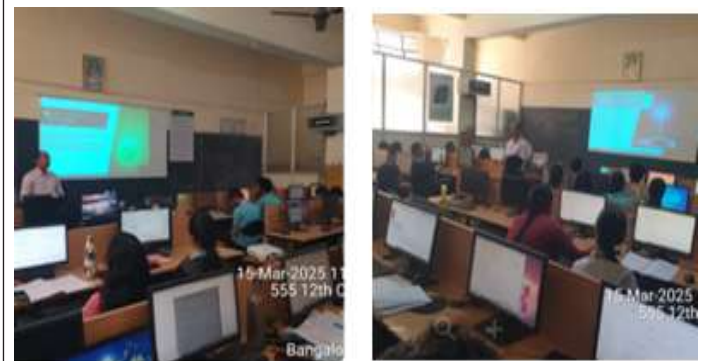
Date: 08/03/2025

VETFGC organized an orientation program for the final year students of BCA on 08-03-2025, The session was done by Mr. Sourabh from Kanan.Co, Bangalore, the resource person Mr. Sourabh and team are

involved in training and education in abroad like Canada, UK and USA, they are providing a proper guidance for the exams or other area like IELTS, PTE, SAT, VISA refusal cases, scholarship, SOP writing and many more. Kanan.co organization provides a facility for the students to study in different countries by giving reliable guidance from taking up courses to till the completion of the course. Mr. Sourabh came as a representative of kanan.co to show case their offers and explained briefly about everything. They are having huge network with people who can take care of the admission and guide the students to gain knowledge.

SEMINAR ON ACHIEVING OPERATIONAL EXCELLENCE WITH ON-DEMAND INDUSTRY TECHNOLOGIES

Date:15/03/2025

VET First Grade college organized a seminar titled "Achieving Operational Excellence with On-Demand Industry Technologies" was conducted by Mr. Sagar, a trainer from ASCENT Software Training. This session was organized for the final-year Bachelor of Computer Applications (BCA) students on 15th March 2025 at 11:00 AM. The focus of the training was to impart practical knowledge about operational excellence and how emerging on-demand technologies are shaping business processes in modern industries. The session explored the application of various tools, software, and frameworks that have been developed to streamline operations, improve efficiency, and drive long-term success for organizations. The session also covered the common challenges faced by organizations when implementing on-demand technologies, such as security concerns, integration issues and the need for employee up skilling.

COUNSELING SESSION FOR "LET'S TALK LIFE"- PEER SUPPORT FORUM STUDY

Date:12/03/2025

On 12th March 2025, as part of the ongoing collaboration between the Indian Council for Medical Research-Centre for Advanced Research (ICMR-CAR) in Digital Interventions for Mental Health Care at NIMHANS, Bengaluru, and VET First Grade College, an orientation and counseling session was conducted for 1st and 2nd year students regarding the "Let's Talk Life" peer support forum study. This study aims to examine the utility and perceived usefulness of an online peer support forum among college-going students and is a part of a broader initiative to address the mental health care gap. Main objectives of the session are to introduce the "Let's Talk Life" peer support forum to students and inform them about the ongoing research, and to invite students to register as forum members and participate in the study, and to provide students with insights into the mental health support resources available through the forum.

EXPERIENTIAL LEARNING THROUGH INDUSTRIAL VISITS AND INTERNSHIPS

The Infosys On-Campus Program, conducted from March 3, 2025, to March 6, 2025, provided a unique and immersive learning experience for students only to those who have completed the pre-requisite of various Programs in the Infosys Springboard platform. 7 of our VI Semester BCA Students got the opportunity to attend. The 4-day intensive program was designed to bridge the gap between academic knowledge and its practical application in the corporate world. Through a series of leadership sessions, skill development workshops, group activities, and exposure to cutting-edge technologies, the program aimed to equip students with the knowledge and skills required to thrive in the competitive job market.

VETFGC and AISECT organized an industrial visit for final-year BCA girl students to ITC Infotech on 11 February 2025 and on 07-03-2025 to celebrate Women's Day. Thirty girls from the College joined the visit to the Company. Mrs. Roopa P. from VET FGC coordinated the visit. The session offered valuable insights into the IT industry, emphasizing technical and soft skills, real-world practices, and emerging technologies like AI and Cloud Computing. A career guidance presentation and an inspiring talk by Meenakshi on her journey from C Developer to a senior role at ITC motivated students. The experience bridged academic learning with industry exposure

TECHNO CLUB: THE COMPUTER SCIENCE TECHNOLOGY CLUB

MIND-TEST ACTIVITY

VET FGC organized an event under the "Techno-club" of computer science department, the event named as Mind-test activity, for the event BCA and BSc FAD students were participated. In this event the students were grouped into two in each group there were 7 members, in round-1several hardware components were displayed to the students, the students must memorize the components and list them in a sheet of paper within the given time limit. In round-2 they need to answer the technical questions, who has scored best in both the rounds will be considered as the winner, in both the rounds those who scored less will be filtered. In this event below students have won the prize and medal after clearing both the rounds

Prize	Name	Stream
I	Ganavi	BCA
II	Kusuma	BSc FAD
III	Sandhya	BCA

STUDENTS LEAD ACTIVITY - "THE ART OF PROBLEM SOLVING AND GENERATING IDEAS"

Date: 10/09/2024

VET First Grade College organized a workshop for the BCA 1st year students under the "Techno club" of computer science department, workshop was conducted by Mrs. Jyothi P, Hod of community institute of commerce and management with the support of final year BCA students. The workshop was related to the art of problem solving and ideation techniques for generating innovative ideas. Resource person Jyothi P guided students which helped them in problem solving and to generate innovative ideas using Infosys springboard application. Detailed explanation on criteria and courses of the Infosys springboard was given to the students to make the best use of it in their journey to enhance their technical skills.

VIDEO EDITING ACTIVITY
Date: 4/09/2024

VET First Grade College organized a video editing competition under the "Techno-club" from computer science department for the students of college, for the event 26 students have registered their names with group to participate and in the event, theme was given to the students 1 day before to collect the raw images and to use it in their video, next day one hour time limit was given within that limit by using any software they can do the editing as per the plan Mr. Arvind from ARENA invited as a judge and as per his evaluation prize has given to the participants. To judge the video editing the clarity, theme and creativity were taken into consideration

Prize	Name	Stream
I	1. Manoj	BBA
	2. Vasu	
II	1. Arhan Afzal	BCA
	2. Roshan	
III	1. Deeksha KS	BCA
	2. Charulatha R	

MIND MAZE ACTIVITY

Date: 26/11/2024

VET First Grade College organized an activity under the "Techno club" of computer science department, this activity was held for all the students of VET and the activities are conducted in three rounds, first round was about 'quiz' general 20 questions were asked in this and those who qualified with more points have been selected for the next round, in the second round few images were displayed in a dummy web page which participants has to find the campus and should take the selfie with that image and this must be completed within time limit, in last round puzzle was given and who completes first will selected as the winners, in this activity three prizes has given

Prize	Name	Stream
I	1. Sandhya 2. Jansi Mary	BCA
II	1. Vinay C R 2. Shashank R	BCom
III	1. Asiya Kouser 2. Evanjali	BCA

BGMI GAMING

Date: 24/03/2025

VET First Grade College organized an activity under the "Techno club" of computer science department, this activity was held for all the students of VET, In this activity a team of 4 members has registered likewise 14 teams were participated in this, the BGMI bottle royal version 3.6 was selected from the "Techno club" members and clear instructions on how to play was given by the members and the game constantly monitored by the team, the players will be having lot challengers to beat them they must use their own technique and methods, this game was played in a group which signifies how each team co-ordinates with each other, result of this game was only one team who can survive at last will be the winners.

Prize	Name	Stream
I	1. Anurag 2. Savan	BBA VI SEMESTER
II	3. Vikram 4. Prajwal	BBA II SEMESTER

VALUE ADDED COURSES:

Sl No	Institution Name	Course Name	Mode	No of Hours	No of Students Attended
1	AISECT	Front End Tools & Soft Skills	offline	180	53
2	IIT Bombay	Python 3.4.3	online	30	57
3		C/Cpp	online	30	58
4	ExcelR	Salesforce Developer	online	30	09
5	ExcelR	Project Excellence- Mastering Minor and Major Projects	online	30	05
6	ExcelR	Digital Marketing	online	30	07
7	ExcelR	Machine Learning	online	30	01
8	ExcelR	Cracking Accenture Coding Interview	online	30	11
9	ExcelR	Landing 10+ LPA - Industry Secrets unveiled	online	30	08

RESEARCH CORNER

Sl No	Faculty Name/ Student Name	Title
1	Febina KS	A Comparative Study on Human Intelligence Versus Artificial Intelligence
		A Study on Advances in natural language processing
		A Study on the Impact of Artificial Intelligence on Society
2	Shamimunnisabi	A Study on Robotics in Education
		A study of AI in Automated cars
		AI in Cyber Security Strengthening Digital Defences
3	Roopa P	A study on Latest AI updates
		AI in Agriculture Enhancing in food product
		Study on Deep Learning Technologies
4	Aishwarya P	A Study on Role of AL in Food wast Management
		A Study on Impact of AI On Employment Replacement Tools for Creating Opportunities

FACULTY DEVELOPMENT PROGRAMS

Sl No	Faculty Name	Title
1	Febina KS	FDP ON Program on cloud architect
		5 Days FDP ON "AI Applicati on in Banking and Healthcare Industry
		5 Days FDP ON " Exploring Cloud Computing with AWS and Azure
		5 Days FDP ON " GEN AI and Chart GPT Application in the industry
		5 days international FDP "Gen-AI and prompt Engineering using Microsoft co-pilot".
2	Shamimunnisabi	5 days international FDP "Gen-AI and prompt Engineering using microsoft co-pilot "
		International faculty development program on project excellence guides digital marketing
		FDP ON Program on cloud architect
		5 Days FDP ON "AI App lication in Banking and Healthcare Industry
		5 Days FDP ON " Exploring Cloud Computing with AWS and Azure
		5 Days FDP ON " GEN AI and Chart GPT Application in the industry
3	Roopa P	5 Days FDP ON "AI Application in Banking and Healthcare Industry
		5 Days FDP ON " Exploring Cloud Computing with AWS and Azure
		5 Days FDP ON " GEN AI and Chart GPT Application in the industry
		One Day FDP A Bug Bounty Program e "A Journey from Hacking to Reward"
4	Aishwarya P	5 Days FDP ON "AI Application in Bankin g and Healthcare Industry
		5 Days FDP ON " Exploring Cloud Computing with AWS and Azure
		7 Days FDP Program on Blockchain and Web 3 organized by the department of CSE and CSE (Data Science)

CENTUM AWARDS FOR STAFFS

Sl No	Faculty Name	Subjects
01	Febina KS	Java Programming
02	Roopa P	Artificial Intelligence
03	Aishwarya P	Software Engineering, Digital Fluency

STUDENTS ACHIEVEMENT

II Semester – Outstanding

SL NO	NAME	SGPA
1	Krupashree J	9.71
2	T P Meena	9.60
3	Najma Khanum	9.50
4	Dharani G	9.48
5	Numan Ul Hassan	9.06
6	Sandhya S	9.06
7	Kamasani Bharath	8.56
8	Harshitha B	8.56
9	Ganavi P	8.52
10	Harshitha N	8.08
11	Sathyashree D M	8.48
12	Tejas Kumar Y	8.92
13	Hrithik Kumar G	8.31
14	Aka sh B R	8.12
15	Adithya N	8.25
16	Bhuvaneshwari	8.65
17	Akash G.H	8.23
18	Anthony Jhansi Mary A	8.75
19	Rahman Pasha	8.60

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	53
Webinars/Seminars/Workshop	21
Faculty Development Program	18
Publications	11

CENTUM PERFORMANCE BY STUDENTS

Sl No	Names	Semester	Subject
1	Najma Khanum	II	CA
2	Mohammed Siddiq	II	ML, MAD, ST, ECD
3	T P Meena	II	CA
4	Ameena Bibi	II	ECD
5	Rakshitha B R	II	SE
6	Adakadapu Rashmi	II	ECD
7	Mehtaj	II	SE
8	Shyamala	II	SE
9	Evanjali M	IV	IT
10	Ayesa Kousar	IV	IT
11	Meghana R	IV	Sanskrit
12	Anushree S	IV	Sanskrit
13	Harismitha S N	VI	ML, ECD, ST
14	Kavyashree B	VI	ML, MAD, ST, ECD
15	Pushpavathi C k	VI	ST, ECD
16	Chimayee	VI	ECD, ML
17	Sachin M S	VI	ECD
18	Harini S	VI	ST, ECD
19	Vijashree A P	VI	ST, ECD

CLASS TOPPERS

V Semester -Outstanding

SL	NAME	SGPA
1	HARINI S	9.73
2	MOHAMMED SIDDIQ	9.56
3	KAVYASHREE B	9.48
4	HARISMITHA S N	9.46
5	ISHOR DAS	9.31
6	PUSHPAVATHI C K	9.27
7	VIJAYASHREE A P	9.27
8	AMEENA BIBI	9.27
9	UMME HUZAIFA	9.25
10	CHINMAYEE B L	9.08

III Semester -Outstanding

SL NO	NAME	SGPA
1	ANUSHREE	9.63
2	EVENJALI.M	9.53
3	MEGHANA R	9.5
4	ASIYA KOUSER	9.4
5	SHYAMALA	9.36
6	HARSHITHA C	9.33
7	BIBI HUZAIFA	9.29
8	MEHTAJ	9.29

Sl No	Student Name	Semester	SGPA
1	Ishor Das	VI	10
2	Ameena BiBi	VI	10
3	Evanjali	IV	9.75
4	KrupaShree J	II	9.71

Krupa Shree J

Evanjali

Ishor Das

Ameena BiBi

IV SEMESTER HIGHEST S. G.P.A
Department Of Computer Applications

CONGRATULATIONS

Evanjali M

BEST WISHES FROM
Principal, HOD and Faculties

S.G.P.A: 9.75

Mehtaj	Asiya Kouser	Meghana R	Bi Bi Huzaifa	Anushree S	Shyamala G
S.G.P.A: 9.42	S.G.P.A: 9.38	S.G.P.A: 9.31	S.G.P.A: 9.21	S.G.P.A: 9.19	S.G.P.A: 9.12

II SEMESTER HIGHEST S. G.P.A
Department Of Computer Applications

CONGRATULATIONS

KRUPASHREE	T P MEENA	NAJMA KHANUM	DHARANI	SANDHYA S	NUMAM
S.G.P.A: 9.71	S.G.P.A: 9.60	S.G.P.A: 9.50	S.G.P.A: 9.48	S.G.P.A: 9.06	S.G.P.A: 9.06

BCA Outgoing Batch 2024-2025