V.E.T. First Grade College

Permanently Affiliated to Bengaluru City University, Recognised u/s 2(f) & 12 (B) of UGC Act) NAAC accredited B+

TECH-TRINITY

DEPARTMENT OF COMPUTER SCIENCE

NAAC
Accredited

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

It's a matter of great pride and satisfaction for VET First Grade College to bring out the 4th Edition of the newsletter " Tech Trinity" released from the department of Computer Science. This year students enjoyed learning through online and offline workshops, webinars, Seminars, Short term Courses organised by the department . Tech Trinity reflects the same. It's a proud moment to receive 7th rank at Bengaluru City University by Aswathi S. I appreciate the efforts of Ms. Febina K S and her team for encouraging the students for their overall development.

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

DEPARTMENT PROFILE

NARAYANASWAMY S G
M.A., PG DJ (M.Phil)
Vice Principal

Mrs. FEBINA K S
MCA
COORDINATOR

Mrs. ROOPA R
MCA
ASST. PROFESSOR

Ms. AISHWARYA
M.SC COMPUTER SCIENCE
ASST. PROFESSOR

SANGEETHA B P
M.A, B.Ed
Asst. PROFESSOR

Indrani S K
M.A, B. Ed
ASST. PROFESSOR

Mrs. SHAMIM UNNISABI
M.TECH
ASST. PROFESSOR

CHANDRAKALA M
M.A
ASST. PROFESSOR

JAGADEESH NERLEKAR
M.A
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 2022-2026) in the college premises on 03/09/2022 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 activitiess 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
SEMINAR ON
"PROJECT DEVELOPMENT METHODOLOGIES"
Date: 25-11-2022

The speaker Mr. Lohith G, head of Glovish Technologies Pvt Ltd, gave introduction about the tools and Techniques used in projects. He explained some effective tools and techniques which can be used in different fields of the organizational culture that facilitate you in creating an efficient strategy and to successfully deliver a top- notch project. He explained on latest treads in the technologies on the software for project development like Python, Advanced java etc. Sir explained few concepts on Internet of Things (IoT). Some examples of IOT based applications are safety home devices, autonomous farming equipment, biometric cyber security scanners etc. He added that along with these wonderful advantages of IOT, it is also interesting to use for final year projects as they are trending, crucial for the development of technology, is fascinating to work with and can be implemented flexibly. A project development methodology is a set of principles and practices that guide you in organizing your projects to ensure their optimum performance. He explained about various platforms on which projects can be developed. He briefed about various techniques used in framing the projects and various examples were been given.

SEMINAR ON "COMPUTER VISION"
Date: 12-01-2023

A computer vision is a field of artificial intelligence (AI) that enables computers and systems to derive meaningful information from digital images, videos and other visual inputs — and take actions or make recommendations based on that information". Mr Mohan H, HOD of Computer Science, RNS College explained about how the computer vision is helping in developing new technologies using AI and how it will be implemented in day–to-day problem, he spoke about the human intelligence and Artificial intelligence; he gave different real time examples while explaining the concept. He also spoke about the importance of computer vision, machine vision and image processing in the area of AI, machine learning, control robotics, signal processing, physics, imaging, mathematics, neurobiology fields to accomplish any task related to it, session went in an interactive manner to approach students to make them involved in the concept being discussed by him.

WORKSHOP ON "MICROSOFT OFFICE"
Date: 08-03-2023

VET First Grade College conducted a workshop for the school students of VET school on 8th March 2023 at 10.30am in college Auditorium. This workshop was conducted as an extension activity. The purpose of the workshop was to train the School students to know how to use and be proficient in important Microsoft Office Programs. The Microsoft word was explained by Febina K S, Assistant professor, Department of computer science. She trained the students through a live demo of working on MS Word. She helped students to clear their doubts and at the end of this session, an assignment was handed by her.

Microsoft Excel was continued by Rammya R, PG Coordinator. She continued the session with Microsoft PowerPoint. The significance, importance and need of MS PowerPoint in the present scenario. She trained the students in using different features and functions of MS PowerPoint through a live demo of working on MS PowerPoint. She also informed about different do's & don'ts while making PPT's and helped students to clear their doubts and at the end of the session an assignment was handed by her., The Presentation of the Assignment was done by the students. By the end of the session Students were able to claim proficiency in Word, PowerPoint and Excel and were able to independently create professional-looking documents, presentations and spread sheets.

SEMINAR ON
"FULL STACK WEB DEVELOPMENT"
Date: 12-05-2023

The speaker was Mr. Lohith G (head at Glovish Technologies Pvt Ltd) delivered the seminar about what full stack web development means, who is called a full stack web developer, how to start a career in it and its high demand in the market. Students understood that a full stack Developer is someone who works with the backend of the application as well as the frontend. A full stack developer must have a skill in a wide variety of coding niches, from database to graphic designing and UI/UX management in order to do their job well. They are someone of swings, ready to assist whenever need in the progress.

SEMINAR ON "LATEST TRENDS IN TECHNOLOGY"

Date: 25-05-2023

The speakers was Mr.Faizal and his team from edureka who delivered the seminar about what the Latest trend in Technology like Full Stack Web Development, DevOps, Big data Analytics, Cloud Application Developers etc how to start a career in it. The technical seminar presentation on DEVOPS was given by him, where he delivered a talk on "DevopsTechnology". DevOps is a set of practices that combines software development (Dev) and information-technology operations (Ops) which aims to shorten the systems development life cycle and provide continuous delivery with high software quality. Students understood that a full stack Developer is someone who works with the backend of the application as well as the frontend. A full stack developer must have a skill in a wide variety of coding niches, from database to graphic designing and UI/UX management in order to do their job well. The speaker has given the sufficient information about the DevOPs and students also interacted with him for clarification on this topic on the recent trends. Students were eager to have similar events in the future to have support and career guidance from experts.

WORKSHOP ON "FULL STACK WEB DEVELOPMENT"

Date: 29-05-2023

The prime objective of organizing the event is to teach the students the fundamentals of web development. So the students can learn how to build a website on their own from scratch so it will be helpful for them in their further projects. Brief idea was given to the students about the fundamentals of Web Development. HTML and CSS was taught to the students and various doubts were solved. Also an idea about Bootstrap was given to the students. Then the students started to develop a fully working website and they code was given to each and every student. Various components were added to the website. All the remaining doubts we're solved by Resource person. Web development is the fundamental process for starting with any of the projects. Also it is beneficial for the students as now they will be able to make their own websites and host it successfully. The feedback about the workshop was very good.

PROFESSIONAL SHORT TERM COURSES

The department of computer science offered two 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 and additionally VI Semester students will get Internship certificate.

Sl No	Institution Name	Course Name	Mode	No of Hours	No of Students Attended
1	Glovish Technologies Pvt. Ltd	Python using Machine Learning	Offline	30	32
2		Full Stack Java Web Development	Offline	30	32
3	NASSCOM(AISECT)	Cloud Application Development	Offline& online	120	28
4	NASSCOM	Digital 101	Offline	30	30
5	Infosys Springboard	Introduction to Cyber Attacks & Network Communication	Online	34	25
6	Infosys Springboard	Introduction to Cyber Security and Wireless communication	Online	33	38

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 34% in II semester BCA June 2021 examination. Ms Ameena Bi Bi topped the class securing 9.54 CGPA in the II Semester examinations with 03 other students securing Outstanding, 11 First Class Exemplary , 10 First class distinctions and 02 with first class.

III YEAR BCA

The overall pass percentage was 76% in V semester BCA June 2021 examination. Mr Tilak B V topped the class securing 9.43 CGPA in the V Semester examinations 02 other students securing Outstanding, 05 First Class Exemplary, 08 First class distinctions and 06 with first class.

For the VI Semester (2021-22) the overall pass percentage was 100%. Ms Yashaswini D topped the class with 9.54 CGPA. The management, principal and staff members applauded the efforts of students and the guidance provided by faculty members.

STUDENTS ACHIEVEMENT -2022

Ms Aswathi S of 2019-2022 batch have bagged 7th Rank in Bengaluru City University Examination and have secured 94.06% as announced by Bengaluru City University.
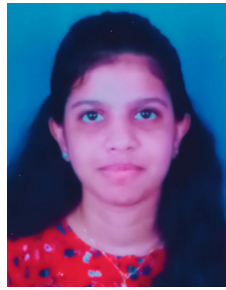
During the academic year **Tilak B V** of V sem secured centum marks in Java Programming, Artificial Intelligence and Data Mining.

Class Toppers ODD & EVEN Sem – 2022-23 Examination

Yashaswini. D 9.53 CGPA	**Aswathi S** 9.6 CGPA	**Tilak B V** 9.43 CGPA	**Keerthana R** 9.47 CGPA	**Ameena BiBi** 9.19 CGPA	**Kavyashree** 9.19 CGPA

Placement

During the Academic Year 2022-23 3 students got placed in RSJ Inspection Service Ltd. For the Academic Year 2021-22 15 students got placed in companies RHEA Technologies, Wealth Glow, Q Connect Buisness, Telligent, EOX, Transact Global so on.

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	32
Webinars/Seminars/Workshop	12
Faculty Development Program	10
Publications	21

GRADUATION DAY

VET First Grade College organized graduation day ceremony on 6/09/2022 at the college auditorium. Graduates who passed out during the academic year 2022(Batch 2019-22) received their graduation certificates from Principal. Chief Guest for the day was Dr. Ramesh B, 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 barriers 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.