V.S.B. ENGINEERING COLLEGE

NH – 67 Covai Road, Karudayampalayam post, KARUR – 639 111.

(An NBA Accredited and ISO 9001:2015 Certified Institution)

THAI

DEPARTMENT OF INFORMATION TECHNOLOGY

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CHAIRMAN'S MESSAGE

Our college was established with the aim of providing quality higher education on par with international standards. It persistently seeks and adopts innovative methods to improve the quality of higher education on a consistent basis. The campus has a cosmopolitan atmosphere with students from all corners of the globe. Experienced and learned teachers are strongly encouraged to nurture the students. The global standards set in the field of teaching and researches spur us on in our relentless pursuit of excellence. In fact, it has become a way of life for us.

Information Technology(IT) shapes its students' future by fostering a teamwork approach to instruction, encouraging interaction with faculty, providing access to high tech information, motivating them to develop new ideas and concepts, taking personal interest in students' career development and preparing them for success. IT has an ethos of its own, different from others. At a time when altruistic ideals and civic interests seem to have given way to power goals and heightened interest maintain status quo nor settle for observing change; they rather hope to be powerful instruments of change using their dynamic verve to make their contributions to the world.

I look back with an enormous sense of pride, the amazing progress that the IT department has made within a short span of time. This would not have been possible with-out the valuable support and contribution of faculty, student community, parents and my well-wishers. I strongly believe that serious, sincere and systematic services, surely se-cure supreme success.

With regards,
V. S. Balsamy, B.Sc., L.L.B.,
Founder& Chairman,
VSB Group of Institutions.

DEPARTMENT VISION

- To provide professional computing training to make competent IT engineers and thus prepare them to work in the emerging trends of information technology field.

DEPARTMENT MISSION

- Producing quality IT engineers with good technical knowledge by effective teaching.
- Making competent engineers to adapt to the dynamic needs of industries.
- Developing extensive learning skills in studies.
- Inculcating strong ethical values and professionalism to serve society with responsibility.

PROGRAMME EDUCATIONAL OBJECTIVES (PEOS)

- **PEO 1:** To make graduates to be proficient in utilizing the fundamental knowledge of various streams in engineering and technology.
- **PEO 2:** To enrich graduates with the core competencies necessary for applying knowledge of computers and technologies in the context of business enterprise.
- **PEO 3:** To enable graduates think logically and to pursue lifelong learning to understand technical issues related to computing systems and to provide optimal solutions.
- **PEO 4:** To enable graduates develop hardware and software system by understanding the importance of social, business and environmental needs in the social context.

PROGRAM SPECIFIC OUTCOMES (PSOS)

- **PSO 1:** Apply the mathematical and the computing knowledge to identify and provide solutions for computing problems.
- **PSO 2:** Design and develop computer programs in the areas related to algorithms, networking, web design and data analytics of varying complexity.
- **PSO 3:** Apply standard Engineering practices and strategies in software project using open source environment to deliver a quality product for business success.

GREEN COVER

The campus has a green cover with many trees and neatly maintained lawns. Concerted efforts were made in planting the trees regularly. A group of experienced laborers take care of watering and preservation of trees, lawns and garden to maintain a sustainable environment. Our College has received an award from Sakthi Devi Foundation, a division of M/s.Sakthi Masala Group, Erode, for "Conservation of Trees" during 2008.

DEPARTMENT ACTIVITIES

DEPARTMENT RESULTS

ACADEMIC YEAR (2017-2018 ODD)

CLASS / SEMESTER	TOTAL NO. OF STUDENTS	TOTAL NO. OF STUDENTS APPEARED	TOTAL NO.OF STUDENTS PASSED	TOTAL NO. OF STUDENTS FAILED	OVERALL PASS PERCENTAGE (%)
I / I 2016-2020 Batch	58	58	39	19	67.24%
II /III 2015-2019 Batch	54	54	46	08	85.18%
III/V 2014-2018 Batch	40	40	34	6	85.00%
IV/VII 2013-2017 Batch	28	28	28	NIL	100%
TOTAL	180	180	147	33	**81.66%**

ACADEMIC YEAR (2017-2018 EVEN)

CLASS / SEMESTER	TOTAL NO. OF STUDENTS	TOTAL NO. OF STUDENTS APPEARED	TOTAL NO.OF STUDENTS PASSED	TOTAL NO. OF STUDENTS FAILED	OVERALL PASS PERCENTAGE (%)
I / II 2016-2020 Batch	54	52	36	18	66.67%
II /IV 2015-2019 Batch	53	53	28	25	52.83%
III/VI 2014-2018 Batch	40	40	35	5	87.5%
IV/VIII 2013-2017 Batch	28	28	28	NIL	100%
TOTAL	175	173	127	48	**72.57%**

PLACEMENT RECORDS – 2018-2019 ACADEMIC YEAR

RANJANA.R

TCS, IBM

AASHIKA.R

TCS, IBM

PRIYADHARSHINI.S

TCS, ARICENT

POOJA.S

TCS, ARICENT

GAYATHRI.M

TCS, IBM

KAVIYA.E

TCS, CAPGEMINI

RAJA.A

TCS

JEEVABHARATHI.R

TCS

POONTAMILSELVA.S

TCS

TCS, ARICENT **ARICENT** **ARICENT**

KARTHIKA.S

TESTIMONY -TCS, ARICENT

SNEHA.K.J

ARICENT

PRAVEENKUMAR.S

ARICENT

SOMYUUKTHAA

CODE VITTA - TCS

ATHIRA.S.K

L&T

KALAIVANI.S

IBM

NIVETHA.A

IBM

VIJAYAPRABHA.M

IBM, CAPGEMINI

KUMARAN.K.S

LTI

GOBISELVI.R

CAPGEMINI

RAJENDRAPRASAD.T

CAPGEMINI

MERLINE PEULA.D

CAPGEMINI

TECHNICAL SEMINAR AND GUEST LECTURE

S. NO.	DATE	NAME OF THE EVENTS	NAME OF THE RESOURCE PERSONS
1.	28-08-2018	ADVANCED JAVA LANGUAGE	MR.E.JEEVANANDHAM, MR. M.NATHAN SENIOR WEB DEVELOPER, ACCENT TECHNO SOFT PVT LTD, COVAI.
2.	08-09-2018	DATA STRUCTURES	DR.R.MOHAN, ASSISTANT PROFESSOR, NIT, TRICHY.

PICTURE OF DIGNITARIES' SHOWS THAT MR. K.MANIVANNAN HOD (IT) TO HONOUR OUR TECHNICAL SEMINAR CHIEF GUEST MR.M.NATHAN, ACCENT TECHNO SOFT PVT LTD COIMBATORE.

PICTURE SHOWS THAT OUR TECHNICAL SEMINAR CHIEF GUEST IS INTERACTING WITH THE STUDENTS.

PICTURE SHOWS THAT OUR DEPARTMENT GUEST LECTURE CHIEF GUEST TEACHING DATA STRUCTURES CONCEPTS TO THE STUDENTS.

INDUSTRIAL VISIT & MOU

S.NO	DATE	EVENTS	COMPANY NAME
1.	25-08-2018	IV	ACCENT TECHNO SOFT PVT LTD
2.	25-08-2018	MOU	NIIT, KARUR.
3.	25-08-2018	MOU	ACCENT TECHNO SOFT PVT LTD.
4.	22-11-2018	MOU	LITZ TECH PVT LTD

PICTURE SHOWS THAT OUR STUDENTS ARE WENT FOR INDUSTRIAL VISIT ACCENT TECHNO SOFT PVT LTD, COIMBATORE ON 25.08.2018.

TRAINER FROM ACCENT TECHNO SOFT PVT LTD, COIMBATORE LECTURING ON ADVANCED JAVA LANGUAGE TO OUR II & III IT STUDENTS.

VALUE ADDED COURSES

S.NO	COMPANY NAME
1.	IBM
2.	AMPHISOFT

STUDENT'S ACTIVITIES

UNIVERSITY RANK HOLDERS 2018

RAGAVI S 8.78 CGPA

16TH RANK

SUDHA C 8.47 CGPA

45TH RANK

DIVYA M 8.43 CGPA

49TH RANK

PROJECT CONTEST – TNCST

CRIME RATE PREDICTION USING PREDICTIVE ANALYSIS

Analytics is the discovery of meaningful insights and communicating it in an efficient way using the data available. The advancement in analytics has led to the development of various techniques which help make people use their resources optimally. This emerging area of analytics world can help build models to literally predict future possibilities (i.e. the probability of event happening can be predicted). Using this algorithm we can reduce fake information and rumor that are coming from whatsapp, facebook, etc.

S.Karthika, .Gayathri,
L.Varsha, R.Ranjana
IV IT

LOCATION FOUNDER

This project will use to help the passenger who is new to the particular place while he/she is travelling in a public vehicle like bus or train. The application will give the details about the place where the person want to go, by simply registering his/her mobile number in this application. The local information of a target is based on premeasured and built map in a database by map based positioning system. This is a new application to identify the bus stop or railway station which is the new place to the passenger without the help from anyone by registering the mobile number with this application. It will give the prior information to the passenger about their destination.

R.Aashika,S.K.Athira,
S.Priyadharshini, M.Pavithra IV IT

PROJECT CONTEST – ACCENTURE

REMOVAL OF POLYTHENE BAGS BY USING PROXIMITY CAPACITIVE SENSOR

The main idea of this project is to identify the polythene covers which are present and dumped under the soil can detect with the help of capacitive proximity sensor or photoelectric sensor. This sensor might be suitable for a plastic or polythene target. So it can remove the polythene from the environment. Capacitive proximity sensors sense "target" objects due to the target's ability to be electrically charged. Inside the sensor is a circuit that uses the supplied DC power to generate AC, to measure the current in the internal AC circuit, and to switch the output circuit when the amount of AC current changes.

K.J.Sneha
IV IT

TOUCH LESS DOOR BELL USING IR PROXIMITY SENSOR

A proximity sensor is a sensor able to detect the presence of nearby objects without any physical contact. A proximity sensor often emits electromagnetic field or a beam of electromagnetic radiation and looks for changes in the field or return signal. The object sensed is often referred to as the proximity sensors target. Different proximity sensor targets demand different sensors. For example a capacitive or photoelectric sensor might be suitable for a plastic target inductive proximity sensor always requires a metal target. The maximum distance that this sensor can detect is defined nominal range. Some sensors have adjustments of the nominal range or means to report a graduated detection distance. Proximity sensors can have a high reliability and long functional life because of the absence of mechanical parts and lack of physical contact between sensor and the sensed object. Proximity sensors are commonly used on smartphones to detect accidental touchscreen taps when held to the ear during a call. A proximity sensor adjusted to a very short range is often used as a touch switch. Micro cameras will be used to identify the face of the thief or the person who enters.

V.Somyuukthaa, A.Nivetha
V.KowsalyaDevi, R.Mynavathi
IV IT

INTERNSHIP & INPLANT TRAINING DETAILS

S.NO	COMPANY VISITED	TOTAL STRENGTH
1	MAN FREE TECHNOLOGIES	10
2	PANTECH PROED SOLUTIONS	2
3	MASS SYSTEMS	1
4	BSNL	2
5	INOX AIR PRODUCTS	1
6	CODE BIND TECHNOLOGIES	1
7	I – GRANDEE SOFTWARE TECHNOLOGIES	2

STUDENTS PARTICIPATION DETAILS

S. NO	DATE	NAME OF THE EVENT	NAME OF STUDENT	ORGANIZED BY
1.	15.09.2018	Workshop	M.Karthika	M.Kumarasamy college of engineering
2.	15.09.2018	Workshop	K.Mounika	M.Kumarasamy college of engineering
3.	15.09.2018	Workshop	M.Naveena	M.Kumarasamy college of engineering
4.	15.09.2018	Workshop	P.Nithya	M.Kumarasamy college of engineering
5.	15.09.2018	Workshop	M.Padmapriya	M.Kumarasamy college of engineering
6.	20.09.2018	Paper presentation	Devamathanika G	CIT,Coimbatore
7.	20.09.2018	Paper presentation	Harshavardhini A	CIT,Coimbatore
8.	20.09.2018	Paper presentation	Hema R	CIT,Coimbatore
9.	20.09.2018	Workshop	Kamalnath S	KEC,ERODE
10.	20.09.2018	Sports	Lakshmanan G	SIT Madurai
11.	20.09.2018	Workshop	Manoj R	KEC,Erode
12.	20.09.2018	Paper presentation	Samrin S	CIT,Coimbatore
13.	19.09.2018	Symposium	Arunkumar S	CIT, Coimbatore
14.	19.09.2018	Symposium	Deepak M	CIT, Coimbatore
15.	19.09.2018	Symposium	Dinakar B	CIT, Coimbatore
16.	19.09.2018	Symposium	Kavinkumar R	CIT, Coimbatore
17.	19.09.2018	Symposium	Kesavakumar K	CIT, Coimbatore
18.	19.09.2018	Symposium	Prabhakaran T	CIT, Coimbatore
19.	19.09.2018	Sports	Lakshmanan G	SIT, Madurai
20.	20.09.2018	Presentation & Code smash	Arvinth S	MEC, Thirunchangode
21.	20.09.2018	File Quest & Code Smash	Hariharan R.N	MEC, Thirunchangode
22.	18.09.2018	Sports	Ramyadevi N	Bharat Niketan College of Engg, Theni.
23.	18.09.2018	Sports	G.Dharani	Bharat Niketan College of Engg, Theni
24.	20.09.2018	Presentation	Shalini Devi R	SRM College of Arts & Science,Covai
25.	20.09.2018	Presentation & Code Smash	Siddharth S	MEC, Thirunchangode
26.	20.09.2018	Presentation	Soumiya R	SRM College of Arts & Science,Covai
27.	16.10.2018 & 17.10.2018	Workshop	K. Vignesh	KCE college Trichy
28.	16.10.2018 & 17.10.2018	Workshop	M. Rishik	KCE college Trichy
29.	16.10.2018 & 17.10.2018	Workshop	M. Gokula Prasath	KCE college Trichy
30.	13.10.2018	Workshop	G. Kaviya	KCE college Trichy
31.	13.10.2018	Workshop	R. Nivetha	KCE college Trichy

FACULTY'S ACTIVITIES

ONLINE COURSE CERTIFICATION DETAILS

STAFF NAME	ONLINE COURSES CERTIFICATION
MR. K.MANIVANNAN HOD	NPTEL COURSE, ORACLE CERITIFICATION
DR.P.SHANTHAKUMAR, PROFESSOR	ORACLE CERITIFICATION
MR.R.GANESHAN,AP	ORACLE CERITIFICATION
MRS.G.ABINAYA, AP	ORACLE CERITIFICATION
MR.V.MATHESWARAN,AP	ORACLE CERITIFICATION
MR.A.MOHANRAJ,AP	ORACLE CERITIFICATION
MR.K.KARTHIK,AP	ORACLE CERITIFICATION
MR.S.NELSON	ORACLE CERITIFICATION
MS.C.APARNA	NPTEL COURSE, ORACLE CERITIFICATION

FACULTY PUBLICATION DETAILS:

SNO	STAFF NAME	TITLE	JOURNAL NAME
1	MR.K.MANIVANNAN	Improved K-means with Fuzzy-Genetic Algorithm for outlier detection in multi-dimensional databases, volume-118 issue -20.	IJPAM - International Journal of Pure and Applied Mathematics
2	DR.P.SHANTHAKUMAR	Viewing and sharing real time traffic information via vehicular clouds	IJR - International Journal of Research
3	MR.R.GANESHAN		
4	MR.S.NELSON		
5	MRS.G.ABINAYA		
6	MR.A.MOHANRAJ	Patient monitoring system using IOT	AJAST - Asian Journal of Applied Science and Technology
7	DR.P.SHANTHAKUMAR	Healthcare monitoring system using cloud computing	IJSIET - International Journal of Science and Innovative Engineering & Technology

வெற்றி வந்தால் பணிவு
அவசியம் –
தோல்வி வந்தால் பொறுமை
அவசியம்–
எதிர்ப்பு வந்தால் துணிவு
அவசியம் –
எது வந்தாலும் நம்பிக்கை
அவசியம் –

மதிப்பெண்...

புத்தகத்தைப் படித்தோம்...
மனப்பாடம் செய்தோம்...
வெள்ளைத் தாளில் ஒப்பித்தோம்...
ஒரு வார்த்தைகள் கூட மறக்காமல்
கொட்டித் தீர்த்தோம்...!
மறந்தாலும் நினைவுக்குக் கொண்டு வந்து
எழுதினோம்...!
நல்ல மதிப்பெண்கள் வாங்கினோம்...
இந்த மதிப்பெண்கள் யாருக்கு
என் அறிவுக்கா...?
என் மனப்பாட சக்திக்கா...?

EDITORIAL TEAM

CHIEF PATRON:

THIRU.V.S.BALSAMY, CHAIRMAN

EDITOR-IN-CHIEF:

- **MR.KIRUBASHANKAR, VICE PRINCIPAL**

EDITORS:

- **MR.K.MANIVANNAN, HEAD OF THE DEPARTMENT**
- **MR.R.GANESHAN, ASSISTANT PROFESSOR**
- **MR.K.KARTHIK, ASSISTANT PROFESSOR**

STUDENT EDITORS:

III YEAR

- **M.DHARISHANKUMAR**
- **V.RAJESH**
- **N.TAMILARASU**

IV YEAR

- **R.JEEVA BHARATHI**
- **T.RAJENDRA PRASAD**
- **S.PRAVEENKUMAR**

"TEACHERS SHOULD BE THE BEST MINDS IN THE COUNTRY"

DR. RADHAKRISHNAN