ANNUAL REPORT
FOR THE
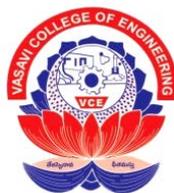## ACADEMIC YEAR 2019-20

J.C. Bose Block

Ramanujan Block

**Dr. Sarvepalli Radhakrishnan
Learning Resource Centre**

C.V. Raman Block

Visvesvaraya Block

Vasavi College of Engineering
(Autonomous)
Accredited by NAAC with A++ Grade
(Sponsored by Vasavi Academy of Education)
(Affiliated to Osmania University & approved by AICTE)
Ibrahimbagh, Hyderabad – 500 031

Our Vision………

"Striving for a symbiosis of technological excellence and human values"

Shri Pendekanti Venkatasubbaiah

Shri Pendekanti Venkatasubbaiah, one of the veteran statesmen of Independent India, held many important positions in his lifetime. He served in the capacities of the Union Minister of State for Home & Parliamentary Affairs (1980-84), the Governor of Bihar and later, of Karnataka.

Shri Pendekanti Venkatasubbaiah was born in an affluent family of agriculturists on 18th June, 1921 at Sanjamala, a village in the erstwhile Princely State of Banaganapalli in Kurnool District of Andhra Pradesh.

He took keen interest in the national movement while he was a student in Nandyal which constituency he represented subsequently for 27 years in Lok Sabha.

FOUNDER
Late Shri Pendekanti Venkatasubbaiah

Former Union Minister of State
for Home & Parliamentary Affairs
and
Former Governor of Bihar and Karnataka

He dedicated himself to the national movement and fought against oppression, braving imprisonment. A Gandhian as he was, he had passionate interest in Education, Khadi and Co-operation. He started several educational institutions, Poor Boys' Hostels and Co-operative Societies. Shri Venkatasubbaiah was secular in his outlook throughout his life and fought firmly against all kinds of inequalities and oppression. His vision for an egalitarian and progressive future reflects in the institutions that he founded and inspired.

Our mission.......

"To arm young brains with competitive technology
and nurture holistic development

of the individuals for a better tomorrow"

Our Quality Policy

"Education without quality is like a flower without
fragrance. It is our earnest resolve to strive
towards high standards of teaching, training and
developing human resources."

Vasavi College of Engineering, established in 1981, is an autonomous, private un-aided non-minority institution, affiliated to Osmania University and offers the following courses:

4-Year Undergraduate Programmes in

- Civil Engineering
- Computer Science & Engineering
- Electrical & Electronics Engineering
- Electronics & Communication Engineering
- Information Technology
- Mechanical Engineering,
- Computer Science & Engineering (Artificial Intelligence & Machine Learning) – Introduced from the Academic Year 2020-2021

and 2-Year ME Programmes (full time 4 semesters) in

- Computer Science & Engineering (CSE)
- Embedded Systems & VLSI Design (ECE)
- Communication Engineering & Signal Processing (ECE)
- Advanced Design & Manufacturing (MECH)
- Power Systems & Power Electronics (EEE)

INFRASTRUCTURE:

Vasavi College of Engineering, in its constant pursuit to offer quality education, has created excellent infrastructural facilities with a total built up area of 33,460 Sq. Meters. Almost all classrooms are provided with LCD Projection facility to make Teaching-Learning more effective. All the laboratories are well equipped with necessary equipment and latest softwares.

There are 1359 computer systems networked through a Campus Wide LAN. Two 100 MBPS Leased lines from two different Internet Service providers, 1Gbps Broadband and allow students and staff to access Internet from anywhere in the campus. Wi-fi internet connectivity has been provided in some common areas.

The College has started the construction of a Multi-Purpose Academic Complex with a built area of 91,718 Sq.Ft. at a cost of around Rs.22.00 Crores.

FACULTY:

The College has 158 highly qualified and experienced faculty members including 57 teachers with Ph.D qualification and 101 with postgraduate qualifications. Presently 54 faculty members are pursuing Ph.D programme.

During the academic year 2019-20, 104 research papers were published in reputed journals by our faculty. The College also encourages faculty to upgrade their qualifications while in service by providing assistance in the form of academic leave, reduction in their class work etc.

Around (112) National Seminars/Conferences /Workshops / Guest lectures and FDP were conducted by all the departments during the current academic year.

Around 100 faculty members were deputed to attend Seminars/Conferences/Workshops/conducted by various reputed institutions.

Notable events:

The college has been emphasizing on the enhancement of R&D and Consultancy activities by the faculty across the departments.

The summary of the Research Proposals submitted to the AICTE/DST/ UGC/DRDO/MNRE *(Ministry of New and Renewable Energy)* and the consultancy activities during 2017-18 and 2018-19 is as follows:

RESEARCH PROPOSALS

Year	No. of proposals submitted	Total budget (Rs. in lakhs)	No. of projects Sanctioned	Total amount sanctioned (Rs. in lakhs)
2017-18	17	169.43	04	34.06
2018-19	14	702.32	01	60.00
2019-20	16	100	06	78.20

CONSULTANCY ACTIVITIES

Year	No. of consultancy projects	Total value (Rs.)
2017-18	22	2,60,177.00
2018-19	29	5,04,320.00
2019-20	18	92,650.00

LIBRARY:

The college has a spacious and well-stacked library with sufficient number of titles (13125) and volumes (116137) and with good reprographic facilities. Further, the college subscribes to print versions of __76____ National & __04____ International Journals of repute, E-Journals (24985) and E-Books (97608).

Book Lending Scheme:

A novel scheme of giving one complete set of textbooks to each student for the entire semester/year, at a nominal rent of Rs.1000/- per year with a caution deposit of Rs. 5000/- was introduced in the year 2002.

ACCREDITATION:

NBA Accreditation:

All six UG programmes have been accredited by the National Board of Accreditation for a period of three years from the academic year 2017-18 to 2019-2020. By taking into consideration the COVID-19 Pandemic, the accreditation status in extended up to June 2021. The ME-(ADM) PG Programme is also accredited by NBA upto the academic year 2019-2020 and its status also extended up to June 2021.

NAAC Accreditation:

The College had submitted its NAAC-SSR and an Inspection Team from NAAC is expected to visit the College during December/January, 2021.

NIRF (National Institutional Ranking Framework):

The MHRD, Govt. of India, had announced the ranks for NIRF-2020 and the College is placed at 187th position out of top 200 ranks among 1079 colleges that have participated in the NIRF India Rankings 2020.

Rankings of the College as per various agencies:

Following are the Ranks awarded by various surveying agencies:

➢ *Based on the Times of India Engineering Institute Ranking Survey-2019, the College secured*

    i)   2nd position in top 25 Engineering Institutes – Telangana State.

    ii)   2nd position in Top 10 Telangana Private Institutes – in Research category.

    iii)   2nd position in Top 10 Telangana Private Institutes – in Placements category.

    iv)   6th position in Top 10 Telangana Private Institutes – in Infrastructure category.

    v)   32nd position in top 140 Private Engineering Institutes - In India.

➢ *As per the Education World survey, the College obtained*

- 34th position in Nation-wide, out of 100 private engineering colleges.
- 3rd position in Telangana State
- OUTLOOK College Ranking 2019: Stood 94th position in India's top 150 Private Engineering Colleges.

PROCTORAL SYSTEM

Proctoral System was introduced in the year 2001. The philosophy of the "Proctoral System" is that each student, is under the parental care and observation of a teacher. The teacher is also a local guardian to those students who stay in hostels. Every student can approach the Proctor assigned to talk about his/her academic

problems as well as personal problems,   if any. The details of the Proctor are shared with the parent also, who can be in touch with the Proctor to get an update of the academic progress and attendance particulars of their wards from time to time. The proctor guides and mentors the students in his care throughout the four years of his engineering.

STUDENT COUNSELLOR:

Qualified and Professional Student Counsellor services are available to the students to guide them on personal, social and other problems.

ANTI-RAGGING MEASURES & COMPLAINTS:

Complying with the directives of the Hon'ble Supreme Court of India, the College has formed the Anti-ragging Committee and Squads for overseeing the implementation of the provisions of the Act.

MERIT AWARDS:

To encourage merit and to develop healthy competition among the students, Best Academic Performance Awards are given to top 3 students of each section, for all the courses, based on their performance in the Semester-end Examination in the preceding year.

Best Project Awards are given for final year students to encourage innovativeness for the projects relevant to their respective fields of engineering.

Best Attendance Awards are given to all those students who have secured 100%, 99% and 98% of attendance in the preceding academic year.

In recognition of their all-round performance, Young Leader Awards are given to the 4th year students.

GOLD MEDALS:

Vasavi Academy of Education has instituted Gold Medals to the toppers of each discipline based on their cumulative performance (from 1st year to final year) in the Semester End Examinations. In addition to this, Gold Medals have been instituted by industry partners, alumni, parents and individuals.

Merit-cum-Means Scholarships:

Apart from the above initiatives, the Management of Vasavi College of Engineering provides Merit-cum-Means Scholarships to the needy students for their academic progress.

CBCS (Choice-Based Credit System):

The College has introduced Choice-Based Credit System with effect from the academic year 2016-17. In addition to the courses from Basic Sciences; Humanities & Social Sciences; Basic Engineering; Professional Core; Professional Elective; students are also given choice to select Open Elective Courses (Inter Disciplinary) and Extra-Curricular Activities, [e.g., (a) Toastmasters Club, (b) MUN Club (c) Writers Club (d) Quiz Club (e) Photography (f) Film Making Club (g) Maths Club (h) Science Club (i) Arts Club and (j) Dramatics Club.

Further, Co-curricular Activities, Paper Presentations and report submission on Theme-Based Projects and also part of the curriculum and mandatory.

HVPE (Human Values & Professional Ethics):

Human Values and Professional Ethics Courses are prescribed for B.E. III & V-Semester students. The courses aims at inculcating Human Values and Professional Ethics.

NPTEL Courses:

To reinforce the technical knowledge in the students, the College has made it mandatory that a student shall complete one NPTEL Course during III to VII-Semesters and allocated 2-Credits weightage for the same.

Skill Development Courses (Soft Skills):

The College offers Communication skills in the III & IV-Semesters in addition to the English Language Theory & Lab course in the 1st year. The College also offers Placement related skills (Quantitative, logic & aptitude) in the V and VI-Semesters.

Advanced Technical Skills:

In order to enhance the employability/placement opportunities for the students, the following technical skills which are branch specific have been introduced in the V and VI-Semesters as a part of Skill Development Courses (Technical Skills) in addition to the 6-Week CRT being offered to the students during summer break:

1   Industry Standard Coding Practices in C
2   Industry Standard Coding Practices using Data Structures
3   Industry Standard Coding Practices in Algorithms
4   Industry Standard Coding Practices in Java
5   Project Management(Primavera) and MEP and Structures (Revit Architecture)
6   IoT Based Rapid Prototype Development
7   ARM Based Embedded System Design
8   Finite Element Analysis (Hyperworks) and Modeling(CATIA)

Internships:

Some of the recruiting companies are providing internships to the VII-Semester students, which is a part of the students project work.

One of our V Semester student Ms. MahaLakshmi from Dept. of IT, secured an internship with Google, with a monthly stipend of Rs.1,00,000/-.

Companies offering internships:

S.No.	Name of the Company	Monthly Stipend
1	Amazon	Rs.60,000/-
2	CISCO	Rs.60,000/-
3	ServiceNow	Rs.40,000/-
4	FactSet	Rs.30,000/-
5	NCR Corporation	Rs.25,000/-
6	Oracle	Rs.25,000/-
7	Accolite	Rs.20,000/-

ENTREPRENEURSHIP DEVELOPMENT CELL:

Recognizing the importance of Entrepreneurship, the College is an Institutional Member of NEN, CII and TiE which are globally known organizations for entrepreneurial leadership programmes. The college is also a part of Technology Entrepreneurship Programme run by ISB and TASK (Telangana Govt.).

Courses offered on Entrepreneurship:

A course titled "Introduction to Entrepreneurship" is offered as a mandatory course in the third semester. In addition, Basic Course in Entrepreneurship and Advanced Course in Entrepreneurship are also offered as open electives for IV & V-Semester students of all Courses. A Professional Elective

Course, titled "Entrepreneurship" is offered for the final year B.E. students.

SWAYAM – ED Student Cell:

The Entrepreneurship Development Cell of the College is functional since 2002. For the overall development of the students, VCE encourages the conduct of various entrepreneurship related activities through "SWAYAM-The Entrepreneurship Development Cell". I am glad to inform you that VCE won the prestigious E-Week National Championship Award for the years 2016 & 2018 conducted by Wadhwani

Foundation-NEN. I congratulate our SWAYAM students' team who won the Award from Wadhwani Foundation-NEN.

Higher studies:

Notable number of students secure admission in IITs, NITs in India and in reputed universities of USA/UK/Germany etc., every year where they pursue their ME/MS Programme. A few students secure admission in prestigious Business Schools including IIMs for MBA.

STUDENTS RESULTS:

I am happy to inform that the students of outgoing batch of B.E. (CBCS) (2016-2020) have secured an overall pass percentage of 99.00 %.

➢ Civil   :   98.61%
➢ CSE   :   99.30%
➢ ECE   :   100.00%
➢ EEE   :   99.30%
➢ I.T   :   98.55%
➢ Mech.   :   98.54%

Once the supplementary examination results are declared, exact pass percentage can be obtained for the batch (2016 – 2020).

PLACEMENTS:

It is gratifying to note that, 571 students of the 2020 graduated batch got placed in campus selections. 1067 were the gross selections from 69 companies.

➢ Amazon offered a pay package of Rs.22.00 Lakhs per annum.

➢ ServiceNow offered a pay package of Rs.21.00 Lakhs per annum.

➢ Commvault offered a pay package of Rs.20.00 Lakhs per annum.

➢ Sobha Hartland Contracting Limited(Dubai) offered AED 60,000 per annum.

➢ CISCO offered a pay package of Rs.11.00 Lakhs per annum.

➢ Oracle India Private Limited selected 43 students with a pay package of Rs.9.00 Lakhs per annum

Other major companies that selected our students include L&T Infotech(132 offers), Accenture(188 offers), TCS(153 offers), Infosys (125 offers), Cognizant (with 55 offers). Other companies that visited our campus for 2019 batch are Qualcomm, F5 Networks, Pega Systems, Deloitte Consulting, IVY Comptech, Epam, NCR Corporation, Salesforce, ADTRAN Networks, ADP, TCS, TechnipFMC, Value Labs, IBM, Energy Tech Global, Hexagon, Samsung R&D Institute, Franklin Templeton, AIR Worldwide, Bank of America, Optum, etc., along with four core companies such as AMD, Hyundai Motors Engineering Private Limited, Thomson Reuters, Medha Servo Drives Pvt. Ltd,

Placements for 2020-21 i.e., batch graduating in 2021 have already begun and the brief summary as on date is as follows:

S No.	Name of the Organization	Pay package	No. of students selected
1	ServiceNow	21.00 Lakhs p.a.	10
2	Amazon	21.00 Lakhs p.a.	1
3	Oracle	11.00 Lakhs p.a.	33
4	Accolite Software	9.00 Lakhs p.a.	13
5	TCS Digital	7.00 Lakhs p.a.	20
6	NCR corporation	7.00 Lakhs p.a.	18
7	Loyalty Juggernaut	7.00 Lakhs p.a.	06
8	L&T Infotech	5.00 and 6.5 Lakhs p.a.	87 + 32
9	Merilytics	5.00 Lakhs p.a.	05
10	Accenture	4.5 and 6.6 Lakhs p.a.	89 + 2

A total of 289 students are already recruited across 18 companies with the gross offers being 433.

Other companies that are conducting their recruitment process virtually and are yet to complete their interview process include:

- Infosys, Cognizant , TCS, etc.

All of us at VASAVI sincerely thank all the companies for reposing their confidence in our students and the College.

Games & Sports:

Our students regularly participate in the Inter-Collegiate, Inter-University tournaments and win prizes.

Our college teams have participated in football, basketball, volleyball, tennikoit and Table Tennis Inter-Collegiate tournaments organized by Osmania University.

ALUMNI:

The college has been interacting with the Alumni regularly through the alumni portal with a view to facilitate connectivity and seek their cooperation in areas of placements, Students' projects, Students' visits, Consultancy etc.

Our Alumni have also instituted awards for students who have secured overall best performance in academics.

CONCLUSION:

When a new student enters an institution they come with diverse thoughts and are a little apprehensive about the new environment. To help them adjust to the new environment and to inculcate in them the philosophy of the institution, an On-line induction programme as per AICTE directions is planned for next 2-weeks.

We here at Vasavi have very meticulously chalked out a two week programme to develop awareness, sensitivity and understanding of the self, people around them and the society at large. We have kept yoga and meditation sessions, life-skill workshops, personality development lectures, foundation courses etc.

We hope all of you will make the best use of these activities. You must attend these sessions and put in atleast 85% of attendance.

I wish all our students an educative, interactive, fruitful and enjoyable academic journey with VASAVI and hope that they will take full advantage of the resources and shape themselves into good engineers and more importantly as good human beings.

I appeal to the parents to continue their interaction with our Heads of Departments, Mentors and faculty members, monitor the performance of their wards in attendance and academics and encourage them to achieve all round excellence.

As per the State Government guidelines and by taking into consideration the prevailing situations caused by COVID-19, the College has made all the arrangements for the conduct of On-Line induction programme and also On-line classes.

I appeal to the parents to arrange the appropriate IT infrastructure facilities like Laptop/Desktop, Proper internet connectivity to their wards so that they can attend the on-line classes and also examinations without any difficulty.

Thank you.