

**ANNUAL REPORT
FOR THE
ACADEMIC YEAR 2022-23**



J.C. Bose Block



Ramanujan Block



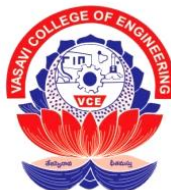
**Dr. Sarvepalli
Radhakrishnan Learning**



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.

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.



FOUNDER

Late Shri Pendekanti Venkatasubbaiah

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

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, HYDERABAD – 500 031

ANNUAL REPORT BY PRINCIPAL FOR THE ACADEMIC YEAR 2022-23

Revered President of today's function, Sri P. Ramamohan Rao, President, Vasavi Academy of Education, Prof. T.V. Subba Rao, Vice-President, VAE; Sri M. Krishna Murthy, Secretary, VAE; Sri P. Balaji, Chief Executive Officer, Sri V.M. Parthasarathi, Treasurer, VAE, Members of the Governing Body of Vasavi Academy of Education and Managing Committee of Vasavi College of Engineering, distinguished invitees; members of print and electronic media, learned colleagues; respected parents and my dear students. A very good evening to all of you!

On behalf of Vasavi College of Engineering, I have great pleasure in extending a cordial welcome to all of you to the Annual Day Celebrations. I deem it a privilege to present annual report of the college for the academic year 2022-23.

Vasavi College of Engineering, established in 1981, is a self-financed 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,

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

- Embedded Systems & VLSI Design (ECE)
- Advanced Design & Manufacturing (MECH)

- Communication Engineering & Signal Processing (ECE)
- Computer Science & Engineering (CSE)
- Power Systems & Power Electronics (EEE)

The college has been conferred with Autonomous Status by the University Grants Commission and Osmania University, Hyderabad for a period of six years with effect from the Academic Year 2014-15, for all the UG and PG Programmes and got further extension for ten years upto 2030-31. The college is accredited by the NAAC with A++ grade for five years with effect from 2021. The five UG programmes (BE Civil, CSE, ECE, EEE and Mechanical Engineering) are accredited by NBA upto 2023-24 under Tier-I.

INFRASTRUCTURE:

Vasavi College of Engineering, in its constant pursuit of offering quality education, has created excellent infrastructural facilities. **The College constructed Multi-Purpose Academic Complex with a built area of around 1.20 Lakh Sq.Ft. at a cost of around Rs.25.00 Crores.**

There are around 1869 computer systems are networked through LAN. 450 MBPS Leased line internet connectivity (200 MBPS from BSNL & 250 MBPS from Pioneer Elabs Limited), 1 GB (ACT Fiber–Broadband) allows students and staff to access Internet from anywhere in the campus. Wi-fi internet connectivity has been provided in some common areas.

LIBRARY:

The college has a spacious and well-stacked library with sufficient number of titles (13,384) and volumes (1,20,526) and with good reprographic facilities. Further, the college subscribes to print versions of 91 Print Journals; 6,950 e-Journals; 97,608 E-Books and 1,435 IEEE Conference Proceedings. All the electronics resources are integrated in

Knimbus Remote Access Platform for accessing them out side the campus.

FACULTY:

The College has 174 highly qualified and experienced faculty members including 77 teachers with Ph.D qualification 97 with postgraduate qualifications. Presently 50 faculty members are pursuing Ph.D programme.

STUDENTS:

With the consistent efforts, our students are able to achieve the overall pass percentage of 98.16 during the Academic Year 2021-22 and Branch-wise results are as follows:

B.E (2021-22)

Branch	CSE	I.T.	EEE	ECE	CIVIL	MECH
% Pass	100	96.89	98.52	99.24	100	95.31
Overall Pass Percentage : 98.16						

M.E/M.Tech (2021-22)

Branch	ADM	ES & VLSID	CE & SP	PS & PE	CSE
% Pass	100	100	100	100	100
Overall Pass Percentage : 100					

STUDENT DEVELOPMENT PROGRAMMES:

To equip the students to face the process of selection for placements, Training & Placement Cell is conducting 100 to 150 Hrs. structured

training programme during summer vacation to all eligible 3rd year B.E. students to meet the placement requirements of the industry.

In order to enhance the employability and placements of the students, the College is conducting the following "Skill Based Courses" during V & VI Semester of their study:

S No.	Course	Duration	Eligible Branches
1	Programming Practices in Advanced Algorithms and Programming Practices using JAVA, DBMS and ReactJS.	84 Hrs.	CSE and IT
2	Programming Practices in Advanced Algorithms and Programming Practices using JAVA, DBMS.	84 Hrs.	ECE and EEE
3	Programming Practices in Data Structures and Algorithms and Programming Practices using Python and DBMS.	84 Hrs.	Civil and Mech.

PLACEMENTS:

The campus recruitment process for the batch graduating in June 2023 is almost in its final stage. It is gratifying to note that, 647 students got placements and 1490 are the gross selections from 96 companies.

Highest salary (Atlassian)	: Base salary : Rs.20.8 LPA, Sign on bonus : Rs.50,000 Stocks : US\$75,000 (over 4-years)
Minimum salary	: Rs.3.50 lakhs per annum
<u>Average Pay package:</u>	
CSE	: Rs.9.65 lakhs per annum
I.T	: Rs.9.65 lakhs per annum
ECE	: Rs.7.30 lakhs per annum
EEE	: Rs.5.10 lakhs per annum
Mech. Engg.	: Rs.5.10 lakhs per annum
Civil Engg.	: Rs.4.00 lakhs per annum

A total of 86 companies have visited the campus.

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

Higher studies:

A good number of students are able to secure admissions in the reputed foreign universities, IITs, NITs and B-Schools.

Details for 2022-23 are as follows:

No. of students got notable Ranks in GATE	: 26
CAT	: 01
GRE	: 43
IELTS	: 15
TOEFL	: 03

ENTREPRENEURSHIP DEVELOPMENT CELL:

The College is an Institutional Member of NEN, TiE and T-Hub who are globally known organizations for entrepreneurial leadership programmes.

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".

Our College is awarded "The Best College in E-Cell" by STUMAGZ and Telangana State Innovation Cell.

Our ED-Cell is recognized as one of the top E-Cells in the country by IIT-Madras.

NSS Activities:

The NSS Unit of the College has, in association with Institute of Preventive Medicine, Thalassemia & Sickle Cell Society, organized Blood

Donation Camp on 15.12.2022. A total of 274 donors (Students : 268 + Faculty : 6) have donated blood.

CLUBS:

To improve the oral & writing skills, and also bring the innate talent of the students the college has permitted establishment of various clubs viz., toast Masters, MUN, Writers' Club, Science Club, Arts Club, Quiz, Film & Photography Club, Dramatics Club.

Games & Sports:

Our college teams have participated in football, basketball, volleyball, tennikoit and Table Tennis Inter-Collegiate tournaments organized by Osmania University. The Department of Games & Sports has organized O.U. Inter-Collegiate Chess Tournament for men on 27th & 28th January, 2023. Major K. Shiva Prasad, International Arbiter in Chess was the Chief Guest of the Tournament.

Some of the remarkable achievers of our College will be reported by Mr. Aditya Reddy in his Annual Sports Report.

They have done us proud. Let us congratulate their remarkable performances.

NPTEL Courses:

The College is identified as the Regional Centre for offering the NPTEL Courses developed by the IITs and NITs. The College has bagged AA Ranking consecutively for the 3rd time during the Academic Year 2021-22.

Following are the details about the NPTEL Courses completed by the staff and students:

<u>FACULTY</u>	<u>STUDENTS</u>
Faculty passed : 60	Students passed : 576
Registered for Examination : 89	Registered for Examination : 818
Pass percentage : 67.4	Pass percentage : 70.4

FACULTY DEVELOPMENT:

VASAVI in its continuous pursuit conducts International/National Seminars/Conferences/Workshops/Guest lectures for the benefit of the faculty. In the recent past, the Department of Information Technology has organized the 1st International Conference on Machine Intelligence for GeoAnalytics and Remote Sensing (MIGARS 2023), technically Co-sponsored by IEEE GRSS Chapter from 27- 29 January, 2023. Dr. Prakash Chauhan, Director, NRSC, was the Chief Guest of the inaugural session of the Conference on 28.01.2023.

FDPs/Workshops organized:

During the period from April, 2022 as on date, the College has conducted 12 FDPs/Workshops across all the Departments.

FDPs/Workshops etc., attended by the faculty:

Further, 128 of our faculty were deputed to attend FDPs/ Workshops, Training Programmes organized by various reputed educational institutions viz., NITs, IITs, IIITs etc.

Paper publications:

The faculty have published 111 papers in SCOPUS/SCI/SCIE indexed journals during the calendar year 2022.

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.

Ph.D Degree:

During the academic year 2022-23, a total of 11 faculty members awarded with Ph.D Degree:

- 1 Mr. S. Vijay Kumar, Associate Professor of Civil Engg. – JNTU, Kakinada.
- 2 Mr. M. Jithender Reddy, Asst. Prof., Dept., of CSE, from O.U.
- 3 Mr. S. Subba Rao, Asst. Prof., Dept., of ECE – from NIT-Warangal.
- 4 Mr. N. Abid Ali Khan, Asst. Prof. Dept. of ECE, from O.U.
- 5 Mrs. A. Srilakshmi, Asst. Prof., Dept. of ECE from JNTU-Hyderabad.
- 6 Mr. K. Rama Krishna, Asst. Prof., Dept. of I.T., from O.U.
- 7 Mr. Mukesh Kumar Tripathi, Asst. Prof., Dept., of I.T., from VTU, Karnataka
- 8 Mrs. C. Naga Anuradha, Asst. Prof. of Mathematics, from JNTU-H.
- 9 Mr. R. Nagaraju, Asst. Prof., Dept., of Physics, from JNTU-Hyderabad.
- 10 Mrs. B. Sheela Rani Simon, Asst. Prof. of English, from O.U.
- 11 Ms. G. Meena, Asst. Professor of H & SS – from Nagarjuna Univ.

The following faculty members have submitted their Ph.D. Thesis:

Name of the faculty	Designation	Dept.	Name of the Univ.
Mr. R. Sateesh Kumar	Asst. Prof.	CSE	O.U
Mrs. S. Aruna Deepthi	Asst. Professor	ECE	O.U.
Ms. R. Leelavathi	Asst. Prof.	ECE	JNTU – A
Ms. Vibha D. Kulkarni	Asst. Prof.	ECE	O.U.
Ms. K. Jhansi Rani	Asst. Prof.	H & SS	O.U
Mrs. S. Sreelakshmi	Asst. Professor	I.T	O.U.
Mr. V.B.S. Rajendra Prasad	Asso. Prof.	Mech.	O.U.

Research proposals:

I) Following are the details about the research grants received during the academic year 2022-23:

1. Dr. D.M.K. Chaitanya, Associate Professor, Department of ECE received Rs.5.90 Lakhs from DRDO – CAS Scheme.
2. Prof. K. Ram Mohan Rao, HoD-IT, received Rs.34.78 lakhs from DST-SERB.
3. Prof. K. Ram Mohan Rao, HoD-IT, received Rs.3.00 lakhs from DST-SERB for IEEE Conference.

II) Following are the details of the Research proposals submitted by VCE faculty during 2022-23:

1. Prof. B. Sridhar, HoD-Civil Engg., submitted to DST-CRG with proposed budget of Rs.45.00 lakhs.
2. Prof. T. Adi Lakshmi, HoD-CSE, submitted to DST-CRG with proposed budget of Rs.46.00 lakhs.
3. Dr. K. Srinivas, Associate Professor, Dept., of CSE, submitted to DST-SERB with proposed budget of Rs.35.00 lakhs.
4. Dr. D.M.K. Chaitanya, Associate Professor of ECE, submitted to DST-SERT with proposed budget of Rs.29.00 lakhs.
5. Prof. K. Veera Swamy, Professor of ECE, submitted to DRDO-CARS with proposed budget of Rs.9.79 lakhs.

6. Dr. Arun Kumar, Professor of ECE, submitted to DRDL-YSL with proposed budget of Rs.1.92 crores.
7. Dr. M. Chakravarthy, HoD-EEE, submitted to DST with proposed budget of Rs.26.00 lakhs.
8. Dr. C. Srinivasa Ratnam, Asst. Professor of EEE, submitted to DST-CRG with proposed budget of Rs.23.00 lakhs.
9. Dr. T. Hitendra Sarma, Associate Professor of I.T., submitted to IIIT with proposed budget of Rs.70.00 lakhs.
10. Ms. B. Leelavathi, Asst. Professor of I.T., submitted DST-SURE with proposed budget of Rs.30.00 lakhs.
11. Dr. N. Vasudha, Associate Professor of Maths and Dr. P.V. Rao, Associate Professor of Physics, have submitted to DST-CRG with proposed budget of Rs.35.00 lakhs.

Consultancy:

A total of Rs.57.70 lakhs is received through consultancy done by various Departments as follows:

Civil	:	Rs.0.50 lakhs
CSE	:	Rs.5.00 lakhs
ECE	:	Rs.39.90 lakhs
I.T.	:	Rs.6.30 lakhs
Mech.	:	Rs.6.00 lakhs

Memorandum of Understanding:

- The Department of CSE has entered into an MoU with M/s. Chidhagni Consulting Private Limited on 10.09.2022.
- The Department of CSE has entered into an MoU with M/s. Navaratan Technologies on 04.07.2022.
- The Department of Information Technology, has entered into an MoU with M/s. Cropin Technology Solutions Private Limited on 05.08.2022.
- The Department of Information Technology, has entered into an MoU with M/s. Sorting Hat Technologies Private Limited (Codechef) on 28.09.2022.

MERIT AWARDS:

To encourage merit and to develop 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 University 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 token 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 University Examinations. In addition, Gold Medals have been instituted by industry partners, alumni, parents and individuals.

Merit-cum-Means Scholarships:

In addition to the above initiatives, the Management of Vasavi College of Engineering is providing Merit-cum-Means Scholarships to the needy students for their academic improvement.

CONCLUSION:

I wish all our students an educative, interactive, fruitful and enjoyable academic journey at VASAVI and hope that they will take full advantage of the facilities available in the college 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 and faculty members, monitor the performance of their wards in attendance and academics and encourage them to achieve all round excellence.

Thank you.