ANNUAL REPORT
FOR THE
ACADEMIC YEAR 2017-18

J.C. Bose Block

Ramanujan Block

Dr. Sarvepalli Radhakrishnan Learning Resource Centre

C.V. Raman Block

Visvesvaraya Block

Vasavi College of Engineering
(Autonomous)
(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 NGINEERING, HYDERABAD – 500 031

ANNUAL REPORT BY PRINCIPAL FOR THE ACADEMIC YEAR 2017-18

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 K. Vasudeva Gupta, Joint Secretary, VAE; Sri P.V. Ratnam, Treasurer, VAE; Sri P. Balaji, Chief Executive Officer, Sri V.M. Parthasarathi, Director-Finance, 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 2017-18.

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,

3-Year Postgraduate Programme in

- Masters in Computer Applications (MCA)

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 NBA expert team visited the college during 17-19th February 2017 for accreditation of six UG programs. The accreditation result was announced by the NBA granting accreditation to all the six UG programs for a period of three years 2017-18 to 2019-2020 valid upto 30-06-2020.

The three PG eligible Programmes viz., (i) M.E – Advanced Design & Manufacturing (ii) M.E – Embedded Systems & VLSI Design and (iii) Master of Computer Applications were also accredited and have been given accreditation for a period of 2-Years from the Academic Year 2017-18 and 2018-19.

INFRASTRUCTURE:

Vasavi College of Engineering, in its constant pursuit of offering quality education, has created excellent infrastructural facilities with total expenditure of Rs.9.50 crores and a total built up area of 33,460 Sq. Meters. **The College proposes to construct Multi-Purpose Academic Complex with a built area of 91,718 Sq.Ft. at a cost of around Rs.19.0 Crores.**

There are around 1389 systems are networked through LAN. 1 GB (ACT Fiber – Broadband), 100 MBPS Lease line internet connectivity allows students and staff to access Internet from anywhere in the campus. Wi-fi internet connectivity has been provided in some common areas.

NPTEL Courses:

To reinforce the technical knowledge of the students, college has included National Project on Technology Enabled Learning (NPTEL) courses developed by IITs and IISc as part of regular timetable for our students.

QEEE Programme:

The college is participating in a pilot Project of QEEE (Quality Enhancement in Engineering Education) under TEQIP-II where live lectures by eminent professors from IITs are being webcast directly to the students. To provide the required infrastructural facilities for the QEEE Programme, the college has procured necessary software & hardware with required specifications including public address system, projectors.

Our students are participating in Virtual laboratory courses in Digital Signal Processing. Under Massive Online Open Courses (MOOCs), our students have registered for (i) Design and Analysis of Algorithms from Microsoft Research India and (ii) Discrete Time Signals and Systems offered by Rice University, through which they can receive certification.

LIBRARY:

The college has a spacious and   well-stacked library with sufficient number of titles (12,702) and volumes (1,09,399) and with good reprographic facilities. Further, the college subscribes to print versions of 87 National & 15 International Journals of repute and 2186 online e-Journals.

FACULTY:

The College has 179 highly qualified and experienced faculty members including 46 teachers with Ph.D qualification 133 with postgraduate qualifications.   Presently 39 faculty members are pursuing Ph.D programme.

Around 121 research papers were published in reputed journals by our faculty during 2017-18. 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 120 National Seminars/Conferences/Workshops/Guest lectures were conducted by all the departments during the current academic year.

More than 60% of faculty members were deputed to attend Seminars/Conferences/ Workshops/Guest Lectures conducted various reputed institutions.

Mr. Aditya Reddy, Assistant Physical Director, has been nominated as "OBSERVER" for "Telangana State Physical Education Common Entrance Test-2017" conducted by Mahatma Gandhi University, at Kakatiya University, Warangal.

RESEARCH PROJECTS:

Six of our faculty have **submitted Research Proposals** to DST-SCRP-EMR (Under NANO Machine Scheme) and also to various Funding Agencies **to the tune of Rs.160.70 lakhs.**

The Project entitled "Development of low cost methods for recycling Lithium Ion Batteries (Industry-Academia UK Project)" submitted by Dr. M. Chakravarthy, Professor, Department of EEE, VCE and Prof.Martha, Prof., IIT-Hyderabad and Prof.Surender Kumar, IIT-Hyd. has been approved and sanctioned an amount of £ 50,000

The UGC-Minor Project submitted by Sri S. Vijaya Kumar, Associate Professor, Department of Civil Engineering, VCE has been approved and sanctioned Rs.1,70,000 by the UGC.

The UGC-Minor Project submitted by Dr. P.V.S. Subhashini, Assistant Professor, Department of mechanical Engineering, VCE has been approved and sanctioned Rs.52,600 by the UGC.

The Computer Society of India has given the BEST HoD Award to Dr. T. Adilakshmi, Head, Department of CSE, VCE during the CSI Annual Convention on 21.01.2018.

Dr. K. Ram Mohan Rao, HoD-IT, received "Instructor Years of Service Award" from CISCO Networking Academy in recognition of 15 years of Active Participation in the CISCO Networking ® Programme in 1st Academy Council Meeting held at Vizag on 05.03.2018.

STUDENTS:

Osmania University Ranks

Our students have been consistently achieving good academic results and ranks in the University Examinations. The following university ranks were secured by our students of 2017 passed out batch under affiliation:

S.No	Branch	Ranks (Total no. of Ranks)
1	Civil Engg.	5th & 8th **(2 Ranks)**
2	EEE	3rd, 4th 5th, & 7th **(04 Ranks)**
3	ECE	1st, 2nd, 5th **(03 Ranks)**
4	Mech. Engg.	2nd, 4th 5th, 6th, 7th & 10th **(06 Ranks)**
5	CSE	1st, 3rd, 4th 6th, 7th & 8th **(06 Ranks)**
6	I.T	1st, 2nd , 4th 9th, & 10th **(05 Ranks)**
	Total	**26 out of 60 ranks**

The overall pass percentage was 98.47%, total number of university ranks is 26

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.

ENTREPRENEURSHIP DEVELOPMENT CELL:

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

I congratulate our SWAYAM students' team who won the Award from Wadhwani Foundation-NEN during E-week Finale at New Delhi.

73 of our students have participated a Contest "Hyderabad's Best Coder 2018" organized by Being Zero and out of which 13 students qualified for FINALS.

Through the IEDC Scheme, a total of 29 student innovative ideas were converted into a product and are further planning for their commercialization – e.g., LPG Doctor; Smart Home; Clean It All; Smart Drip Irrigation etc..

Every year, a total of Rs.5.00 lakhs funded for student innovation projects

INNOVATION CENTRE:

The College has established **Innovation Center** in the year 2010-11 for nurturing innovative ideas from the students. An amount of Rs.48.50 Lakhs has been sanctioned by Department of Science and Technology, Government of India, to establish IEDC in the college for five years starting from the academic year 2010-11. As a part of this initiative, Ideation contests were conducted every year. The college provides necessary facilities and financial support upto Rs.1.00 lakh to carry out each one of the projects. A Committee consisting of experts from different industries is involved in the selection of ideas.

Microsoft Inc. has recognized Vasavi College of Engineering as a Microsoft Innovation Centre and about 250 Apps which were developed by the students have uploaded to Microsoft.

INCUBATION CENTRE:

The College has set-up an Incubation Centre in 2010 to provide platform to start-up entrepreneurship to convert their innovative ideas into commercially viable products.

STUDENT DEVELOPMENT PROGRAMMES:

To equip the students to face the process of selection for placements, a six-week training programme is being conducted during summer vacation to all eligible students of B.E. 3rd year and MCA 2nd year. In addition finishing school classes have been made compulsory for 2nd & 3rd year students to increase the employability of our graduates.

Higher studies:

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

PLACEMENTS:

The campus recruitment process for the batch graduating in June 2018 is almost in its final stage. It is gratifying to note that, 448 students got placements and 679 are the gross selections from 56 companies. The recruitment by the companies is continuing for 2017-18 batch. Adobe Systems offered a pay package of 39.00 Lakhs per annum, Amazon Development offered a pay package of 22.00 Lakhs per annum, Microsoft offered a pay package of 21.60.

Other major companies that selected our students in the current final year include Accenture (with 132 offers). Capgemini (with 87 offers), Infosys (69 offers)

Other companies that visited our campus this year are Oracle, Service Now, Pega Systems, Deloitte Consulting, IVY Comptech Private Limited, Arcserve India , Epam, Copart, NCR Corporation, FactSet, Salesforce, Zensar, Cognizant, Netcracker, ADTRAN Networks, ADP, TCS, TechnipFMC, Bank of America, Optum, etc., along with six core companies such as AMD, Qualcomm, Hyundai Mobis India Limited, , Thomson Reuters, Medha Servo Drives Pvt. Ltd, Dolcera ITES (P) Ltd.etc..

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

A total of 51 companies have visited this year till date. The average pay package is 4.6 LPA.

We have recorded highest placements this year when compared with other colleges in Telangana and Andhra Pradesh.

EXTRA-CURRICULAR ACTIVITIES:

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

Games & Sports:

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

Some of the remarkable achievers of our College will be introduced later during sports prize distribution function.

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

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., SpeakEasy Club, Music Club; Abhinay Club; Street Cause; Theme Ballet Event Club; Kriti – Arts Club; Vasavi Talkies - Film & Photography Club, ECO Club, Writers Club, Math Club.

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:

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.

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