ANNUAL REPORT
FOR THE
ACADEMIC YEAR 2023-24

J.C. Bose Block

Ramanujan Block

Dr. Sarvepalli Radhakrishnan Learning Resource Centre
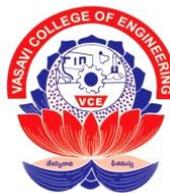
Dr. Vikram Sarabhai Block

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 (AUTONOMOUS), Hyderabad, T.S

Accredited by NAAC with 'A++' grade
Affiliated to Osmania University and Approved by AICTE.

Annual Report
2023-2024

Presented by:
Dr. S.V. Ramana, Principal

Revered President of today's function, Sri P. Ramamohan Rao, President, Vasavi Academy of Education, Prof. (Dr.) V. Srinivasulu, Vice-President, VAE; Sri M. Krishna Murthy, Secretary, VAE; Sri M. Anand Kumar, Joint Secretary, 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 2023-24.

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
- CSE (Artificial Intelligence & Machine Learning)
- Electrical & Electronics Engineering
- Electronics & Communication Engineering
- Information Technology
- Mechanical Engineering,

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

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

NBA Accreditation

The six (6) Undergraduate Programmes viz., (i) B.E – Civil Engineering (ii) B.E – Computer Science & Engineering (iii) B.E – Electrical & Electronics Engineering (iv) B.E – Electronics & Communication Engineering and (v) B.E – Information Technology & (vi) B.E – Mechanical Engineering have been accredited by the National Board of Accreditation under Tier-I.

NAAC Accreditation

The college has been accredited by NAAC with A^{++} Grade for five years with effect from the year 2020-21

Ranks and Recognitions

Year	Ranks and Recognitions
2024	• Approved as Host Institute (HI) for implementation of the Incubation component under MSME Innovative Scheme (MSME Champion Scheme). • Established Collaborative Research Centre (CRC) at the Department of ECE with HBL Power Systems Ltd, Hyderabad.
2023	• Swayam-NPTEL recognized VCE as a valuable Local Chapter with "AA" rating during (July– Dec) 2023 based on performance in NPTEL Certification Courses • Swayam-NPTEL recognized VCE as a valuable Local Chapter with "AA" rating during (January – April) 2023 based on performance in NPTEL Certification Courses.

Quality of Students Admitted (U.G)

B.E Admissions:
- Convener Quota (Category-A) 70% : TSEAMCET Ranks
- Management Quota (Category-B) 30% : JEE Ranks

Programme	2021-22	2022-23	2023-24
BE-CSE	60.83	75.00	67.22
BE-CSE(AIML)	60.00	61.67	60.00
BE-IT	47.78	50.00	44.44
BE-ECE	26.67	12.22	15.00
BE-EEE	1.67	0.00	0.00
BE-MECH	0.83	0.00	0.00
BE-CIVIL	1.67	0.00	0.00

% of students admitted under Category-A with below 10,000 EAMCET Rank

Programme	2021-22	2022-23	2023-24
BE-CSE	100	100	100
BE-CSE(AIML)	100	100	100
BE-IT	98.14	98.14	79.62
BE-ECE	35.18	100	7.40
BE-EEE	0.00	0.00	0.00
BE-MECH	2.77	0.00	0.00
BE-CIVIL	0.00	0.00	5.55

% of students admitted under Category-B with below 75000 JEE rank

Results Analysis - B.E 2023 Graduated Batch

B.E (2022-23)

Branch	CSE	I.T.	EEE	ECE	CIVIL	MECH
% Pass	99	98.47	87.87	95.36	93.93	89.84

Overall Pass Percentage : 95.42%

Student Achievements

MOOCS Online Certification

Calendar Year	Period	Students	
		Toppers	**Certified**
2023	Jan-June	45	844
	July-Dec	73	822
2022	Jan-June	30	838
	July-Dec	28	576
2021	Jan-June	18	609
	July-Dec	36	529

Placement Summary of 2023 Graduated Batch (B.E.)

Branch	Intake	No. of students eligible	Gross Selections	Net Selections	% of Selections	Average CTC Rs. LPA
CSE	201	192	507	187	97.40	9.65
IT	197	181	412	173	95.58	9.65
ECE	195	180	372	160	88.89	7.30
EEE	66	57	96	47	82.46	5.10
MECHANICAL	130	96	98	62	64.58	5.10
CIVIL	66	52	40	30	57.69	4.00
Total	855	758	1525	659	86.94	8.13

S.No.	Details	Total
1	No of students with 1 Offer	211
2	No of students with 2 Offers	196
3	No of students with 3 Offers	131
4	No of students with 4 Offers	82
5	No of students with 5 Offers	28
6	No of students with 6 Offers	9
7	No of students with 7 Offers	1
	Net Selections	659

- **Total number of companies visited : 106**
- **Maximum Salary   : Rs. 1.34 Crore**
- **Minimum Salary   : Rs. 3.00 Lacs**

Top Achievers of 2023 Graduated Batch : B.E

Bhavani Silasagaram
Recruited with a CTC of
Rs. 1.34 Cr in
Google
(California,USA)

Maturi Sripriya
Recruited with a CTC of
Rs. 81 LPA in
ATLASSIAN

N. Taruni
Recruited with a CTC of
Rs. 30 LPA in
Google
(India)

Top Achievers of 2023 Graduated Batch : B.E

S.NO.	H.T.NO.	NAME OF THE STUDENT	SELECTED BY	CTC (LPA)	BRANCH
1	1602-19-733-111	M. Srividya Reddy	Google	₹ 34.00	CSE - B
2	1602-19-733-043	Sameeha Mubeen	Service Now	₹ 30.00	CSE - A
3	1602-19-733-091	Sadia Firdous	Visa Inc. - PPO	₹ 28.54	CSE - B
4	1602-19-737-008	M. Charishma Reddy	Amazon - PPO	₹ 42.50	IT- A
5	1602-19-737-017	Yaksha Kasturi	Amazon - PPO	₹ 42.50	IT- A
6	1602-19-737-048	C. Sujith Reddy	Providence	₹ 27.00	IT- A
7	1602-19-735-004	N Anagha	Providence	₹ 27.00	ECE - A
8	1602-19-735-061	Nomula Aarthi Sai	Oracle - GBU	₹ 21.00	ECE - B
9	1602-19-735-113	Vazir Sreeja	Oracle - GBU	₹ 22.00	ECE - B
10	1602-19-734-040	G Sindhuja	NCR Corporation	₹ 14.00	EEE
11	1602-19-734-004	Ankan Mahapatra	Value Labs	₹ 9.00	EEE
12	1602-19-734-043	Sri Vaishnavi	Mars Global Services	₹ 8.60	EEE
13	1602-19-732-301	S Sreelekha	Inncircles	₹ 6.00	Civil
14	1602-19-732-302	Agurla Madhukar	Inncircles	₹ 6.00	Civil
15	1602-19-732-304	Pasupula Rohith	Aaree Associates	₹ 5.00	Civil
16	1602-19-736-003	M. Akash Varma	NCR Corporation	₹ 14.00	MECH - A
17	1602-19-736-092	C. Samyuktha	Invesco	₹ 9.00	MECH - B
18	1602-19-736-044	SK MD Shahadil Hussain	TCS - Digital	₹ 7.00	MECH - A

Results: M.E/ M.Tech-2023 Graduated Batch

M.E/M.Tech (2022-23)

Branch	ADM	ES & VLSID	CE & SP	PS & PE	CSE
% Pass	100	75	100	100	100
				Overall Pass Percentage : 95.83%	

Our Valued Recruiters

No. of students secured Score / Percentile in GATE / GRE/TOEFL

Academic Year	No of ranks in GATE / GRE/TOEFL
2023-24	78*
2022-23	133
2021-22	97

* In progress

CAT Ranks

Year	2023	2022	2021
No. of students	19	22	30

Admissions into B-Schools

Year	2023	2022	2021
No. of students	Admissions are in process	14	23

Some of the prestigious Management Institutions in which our students admitted through CAT ranks:
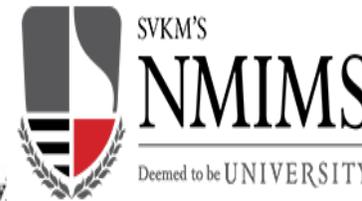
Awards : Smart India Hackathon-2023-2024

Title of the Event	Date	Organized By	Prizes won
State Level hackathon for women	16-17th Feb 2024	Indian Industry CII-IWN Indian Women Network (IWN)	First prize and received a cash award of Rs 50,000/-.
Smart India Hackathon (SIH) Grand finale 2023	19-20th Dec 2023	Smart India Hackathon, Guwahati, Assam	Shortlisted for SIH Grand finale 2023
Innovasia 2023 Hackathon	1st -2nd Dec 2023	Vasavi College Of Engineering	• 1st place- Cash prize Rs.10000/- (Theme: Tourism & Culture) • 2nd place- Cash prize Rs.7500/-(Theme: Health & Wellness) • 2nd place Cash prize of Rs. 7500/ (Theme: Lifestyle & Environment)
VJ Hackathon	25th Nov 2023	VNR VJIET	• 5th place- received a Cash prize of Rs. 2000/-
KIMO Technical Quiz competition	15th Nov 2023	Team KIMO	• 1st prize, received a Cash award of Rs. 15000/- • Also got 2nd, 3rd , 4th and 5th Rank
Hacktopia	25th -26thAug 2023	GNI	• Second Prize
Smart Hacks 2K23	31st Aug to 2nd Sept 2023	Anurag University	• First Prize - Cash prize of 10k

Achievements: Games and Sports

I am happy to inform that Vasavi College of Engineering has organized a National Level Inter-Engineering Collegiate Sports Meet, "SPARDHA-2024" on 15th & 16th, March, 2024 to inculcate the sportsperson spirit among the student fraternity and also to bring out their innate talent in this field in the following games & sports:

For Boys	For Girls
Volleyball	Volleyball
Basketball	Throwball
Kabaddi	Kabaddi
Table-Tennis	Table-Tennis
Chess	Chess

- **Runners - O.U. Inter Collegiate Basketball (Men) Competition – (January-2023)**

- **Organized O.U. Inter Collegiate Chess (Men) Tournament (January- 2023)**

- **Winners – National level Inter Engineering Collegiate Sports Meet 2022**

- **IT Students represented Senior National level Handball (Women) Competition 2022 (December- 2022)**

Faculty Publications, Workshops, FDPs

Year	Publications		Books / book Chapters	Workshops/FDPs/	Conferences
	Journal	Conferences		Organised	Attended
2023-24	130	78	23	15	160
2022-23	129	170	23	15	160
2021-22	127	109	20	19	119

Ph.D Guidance by the Faculty

No of faculty identified as Ph.D Supervisors (OU & JNTU)	**23**
No of Scholars pursuing Ph.D on part-time basis under VCE faculty	**88**
No of Scholars completed their Ph.D under the guidance of VCE faculty	**28**

MOOCS Certification by Faculty

Calendar Year	Period	Staff	
		Toppers	Certified
2023	Jan-June	20	161
	July-Dec	23	75
2022	Jan-June	3	20
	July-Dec	12	60

R & D and Consultancy: Summary

Summary of Grants Received

Year	Total value (Rs)
2023-24	1,72,02,598
2022-23	45,07,500
2021-22	56,65,000

Summary of Consultancy Activities

Year	Total value (Rs)
2023-24	18,09,400
2022-23	5,56,648
2021-22	5,61,700

*Including the consultancy works i.e., Mixed Design Testing, Ballast Testing, Structural Stability Checking, Testing of CC Cubes, CC and BT Roads Testing etc.., for various Government, Public Sector Undertakings and Private Agencies being carried-out by the Departments of Civil Engineering and ECE.

Ongoing Sponsored Research Projects

| S. No.	Title of the Project	Name of the Funding Agency & Scheme	Investigators	Budget Sanctioned, Duration & Date of Sanction
1	Development of General-Purpose Control Board for Safety Critical Control System	HBL POWER SYSTEMS LTD	1) Mr. V. Krishna Mohan, Principal Investigator /TBD 2) Dr. K. Deepti / Dr. S. Aruna Deepthi / Mr. K. Rama Krishna, Co-Principal Investigators UG Students: 1) M. Vinay (1602-20-735-307) 2) Puwara Rithika Priya (1602-20-735-038)	Sanctioned Budged : Rs. 48,14,400 Duration : 2 Year Date of Sanction :07-12-2023
2	Development of Beamforming Techniques for Hydrophone Sensor Arrays	HBL POWER SYSTEMS LTD	1) Dr. K. Krishna Kishore, Principal Investigator 2) Dr. Arun Kumar, Co-Principal Investigator UG Students: 1) Vijigir Pallavi (1602-20-735-089) 2) Payyawal Pranith (1602-20-735-030)	Sanctioned Budged : Rs. 65,13,600 Duration : 3 Year Date of Sanction :07-12-2023
3	Development of IP-Based Voice and Data Communication Board	HBL POWER SYSTEMS LTD	1) Dr. D.M.K. Chaitanya, Principal Investigator 2) Dr. E. Sreenivasa Rao, Co-Principal Investigator UG Students: 1) Domala Nithin (1602-20-735-024) 2) Hafsa Anam (1602-20-735-073)	Sanctioned Budged : Rs.39,64,800 Duration : 1.5 Year Date of Sanction :07-12-2023
4	Development of FPGA Based UHF Radio System and its Integration with SDR Platform	**HBL POWER SYSTEMS LTD**	1) Dr. K. Krishna Kishore, Principal Investigator 2) Dr. E. Sreenivasa Rao, Co-Principal Investigator	Sanctioned Budged : Rs.9,67,600 Duration : 1 Year Date of Sanction :24-11-2023

Ongoing Sponsored Research Projects

S. No.	Title of the Project	Name of the Funding Agency & Scheme	Principal Investigators	Budget Sanctioned, Duration & Date of Sanction
1	Investigation of Signal Reflections in PCM telemetry Link During Indoor Testing	DRDO-CAS	Dr. D.M.K. Chaitanya, Asso. Prof. (PI) Dr. Arun Kumar, Prof. (Co-PI-1) Dr. E. Sreenivasa Rao, Prof. (Co-PI-2) Dr. A. Srilakshmi, Asso. Prof. (co-PI-3)	Sanctioned Budged : Rs.5,90,000 Duration : 1 Year Date of Sanction :16.12.2022
2	Development of gaming tool for cognitive behavior therapy in management of conduct disorder among Children/Adolecsents/ Students	DST – CSRI	Dr. Ch. V.K.N.S.N. Moorthy	Sanctioned Budget : Rs.38,35,000 Duration : 3 Years Date of Sanction :18.08.2021
3	Investigation on Non-Linear, Fatigue and Fracture Behaviour of Elastomers and Composite Materials	AICTE-RPS	Dr. T. Ram Mohan Rao	Sanctioned Budget : Rs.21,29,400 Duration : 3 Years Date of Sanction : 14.08.2020
4	Dimensionality Reduction and pixel classification in Hyperspectral images	SERB-Teachers Associateship for Research Excellence	Dr. Hitendra Sharma	Sanctioned Budget : Rs.18,30,000 Duration : 3 Years Date of Sanction : 26.02.2019
5	Establishing a Wireless Technology Centre & 3-D Bio Lab	DST-FIST	Prof. E. Sreenivasa Rao Prof. T. Ramamohan Rao	Sanctioned Budget : Rs.60,00,000 Duration : 5 Years Date of Sanction : 20.12.2018
6	Drone/UAV based Multi Sensor High Quality Precision Photogrammetric Laser Mapping and Data Capture Processing for Geo-Spatial Platforms	DST-NGP-GTD	Prof. K. Ram Mohan Rao	Sanctioned Budget : Rs.35,75,261 Duration : 2 Years Date of Sanction : 12.01.2023
7	Development of PCM Telemetry Data Reduction & Analysis Software	DRDO-CARS	Prof. K. Veera Swamy Prof. E. Sreenivasa Rao Prof. Arun Kumar	Sanctioned Budget : Rs.9,72,270 Duration : 14 Months Date of Sanction : 18.07.2023

Ongoing Consultancy Projects

S. No.	Title of the Project	Name of the Organization	Principal Investigators	Budget Sanctioned, Duration & Date of Sanction
1	Development of Impulse Voltage Measurement System for Transformer Testing	**Digilogic Systems Pvt. Ltd.** # 102, 1st Floor, DLS Abacus Tech Park, Beside DSL virtue Mall, Uppal, Hyderabad., State Name : Telangana, Code 36	Dr. E. Sreenivasa Rao (PI) Dr. Arun Kumar (Co-PI-1) Dr. K. Veera Swamy (Co-PI-2)	Sanctioned Budget : Rs.31,32,428 Duration : 1 Year Date of Sanction : 23.12.2022
2	Simulation of Spectrum Monitoring Receiver	**Digilogic Systems Pvt. Ltd.** # 102, 1st Floor, DLS Abacus Tech Park, Beside DSL virtue Mall, Uppal, Hyderabad., Telangana, Code 36	Dr. K. Veera swamy (PI) Dr. K.R. Deepthi (Co-PI-1) Dr. Arun Kumar (Co-PI-2) Dr. E. Sreenivasa Rao (Co-PI-3)	Sanctioned Budget : Rs.7,08,000 Duration : 1 Year Date of Sanction : 10.11.2022
3	Product Development Related to DRDO	**Next Gen Avarokin Technologies India LLP** (Formerly known as Next Generation Technologies) Plot No. 10, 1st Floor, Above TATA Motors, P & T Colony, Medipally, Medchal Dist., Telangana	Dr. Arun Kumar, Professor (PI) Dr. E. Sreenivasa Rao, Professor (Co-PI-1) Dr. K. Veera Swamy, Professor (Co-PI-2)	Sanctioned Budget : Rs.1,50,000 Duration : 1 Year Date of Sanction : 01.08.2022

Patents
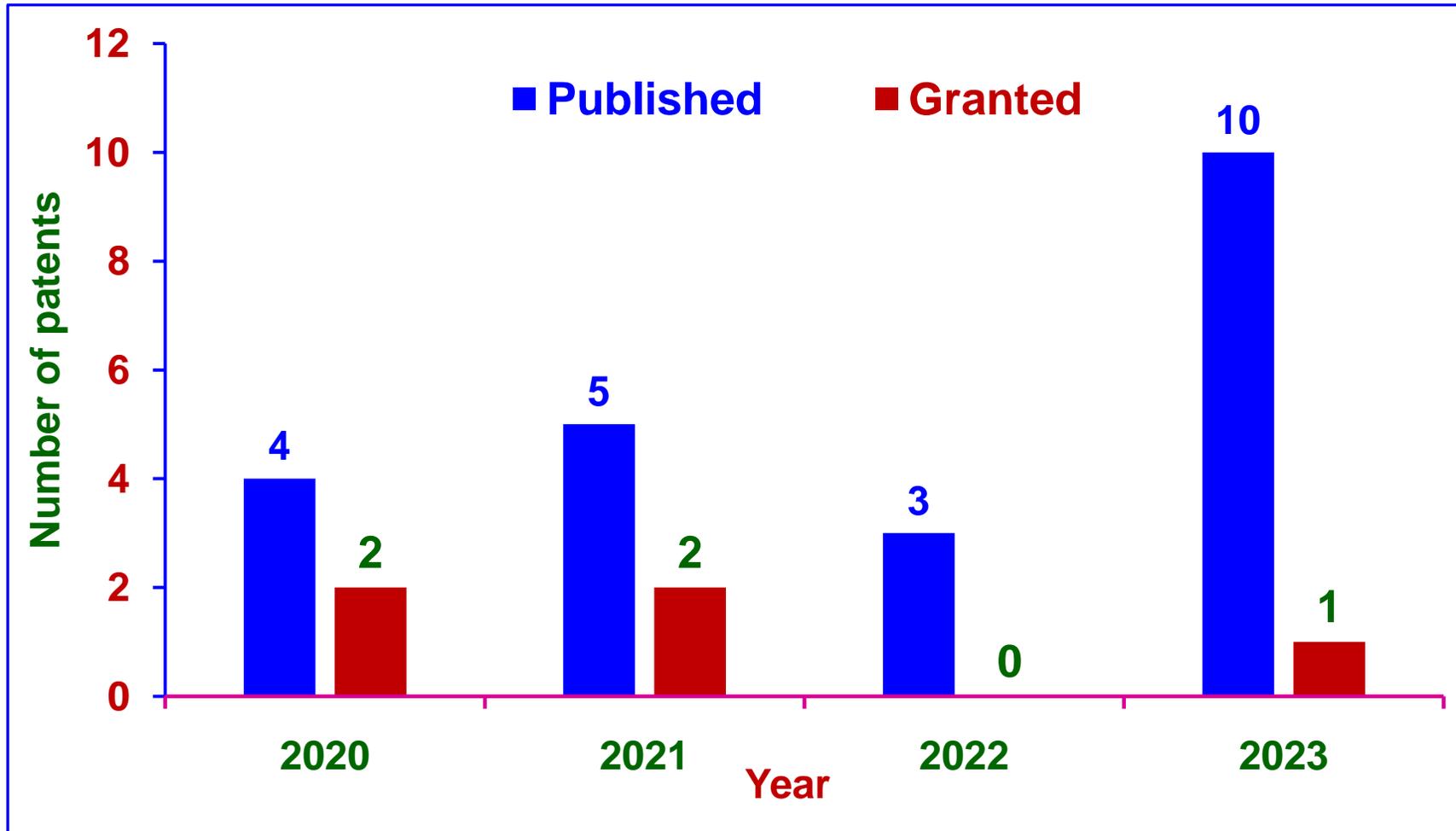
Functional MoUs

S. No.	Name of the institution/ industry/ corporate house	Department
1	National Institute of Amateur Radio, Hyderabad	ECE
2	Vaaluka Solutions Pvt. Ltd, Hyderabad	ECE
3	HBL Power Systems Ltd, Hyderabad	VCE
4	Edge Technologies	EEE
5	Quali Zeal	CSE
6	M/S Binford Research Labs Pvt., Hyderabad	Mech
7	IRISET	VCE
8	Infosys	VCE
9	Pega Systems India Limited	VCE
10	T-HUB Foundation, IIIT Hyderabad Campus	VCE
11	TiE Hyderabad Chapter	VCE
12	M/s Inncircles technologies Private ltd.	IT
13	WOIR Software	IT
14	EPAM Systems India Pvt.Ltd	IT
15	CISCO	IT

Functional MoUs

S. No.	Name of the institution/ industry/ corporate house	Department
16	Mitranjali TMI networks	IT
17	Deeploop Technologies	CSE
18	Chidhagni Consulting Private limited	CSE
19	Navarathan Technologies	CSE
20	NI Lab View	ECE
21	Vaaluka Solutions	ECE
22	Sri Gayatri Energy Services	ECE
23	Light speed AI	ECE &MECH
24	Adroitec Solutions Private Limited	MECH
25	Avishkar Industries Private Limited	MECH
26	VARCAS	EEE
27	SolarBull LLP	EEE
28	Eprosys Engineering Consultants India Pvt Ltd	EEE
29	Vertex Homes Pvt. Ltd, Hyderabad	CIVIL
30	Susanji Consultants Structural Engineering and Architects, Hyd	CIVIL
31	Geomap Solutions Pvt. Ltd, Hyderabad	Civil

Faculty Recognitions

Year	Recognitions
2024	❖ Dr. N. Abid Ali Khan, Assis Prof, ECE awarded best IETE Student Forum (ISF) Coordinator by IETE, Hyderabad. ❖ Dr. Tilottama Goswami, Prof., is one of the Top 15 Global Finalists "WomenTech Network Community Award 2023 ❖ Dr. Tilottama Goswami Prof. Received an appreciation certificate as the facilitator of the staff development program (FDP) on the topic "Tutorial to Master in ML using No Code Tool Orange" at University of Technology and Applied Sciences on 13.02.2024 at Al Mussanah, Sultanate of Oman
2023	❖ Dr. T. Adilakshmi, HoD, CSE, received best paper awards for the paper titled "XLNet-LSTM : A Hybrid Architecture for Efficient MOOCs evaluation using Deep transfer Learning" and "Detecting Multi-Type Lung Cancer through CT-Scan Images Based on Various Deep Learning Models" at 9th International Conference on Computers, management & Mathematical Sciences-2023. ❖ Dr. K. Ram Mohan Rao, HoD, IT, received Instructor years of service (20 years of active participation and dedicated service in Cisco Networking Academy.

Equity Action Plan (EAP)

Financial Assistance extends to students During the Academic Year

2022-23

TOTAL AMOUNT SANCTIONED : Rs.3,92,000

S.No	Details of Financial Assistance	No of Students											Total Amount Sanctioned
		BC		SC		ST		OC		Total			
		M	F	M	F	M	F	M	F	M	F	M+F	
1	Hostel, Local Transport and Spl fee exemption	10	1	5	5	4	1	3	1	22	8	30	₹2,84,000
2	Technical Skills Course Fee	3	2	1	1	2	2	4		10	5	15	₹76,000
3	Book Lending Scheme	6	1	-	-	-	-	1	-	8	0	8	₹32,000
	Total	**19**	**4**	**6**	**6**	**6**	**3**	**8**	**1**	**39**	**14**	**53**	**₹3,92,000**

Employability and Skill Development Courses

Courses having focus on employability and Skill Development:

- In addition to the English Language & Communication Skills (Theory & Lab) Courses in 1st & 2nd Semesters of all B.E. Programmes, the College offers the following Finishing School/Skill Development Courses with credit weightage in the semesters as indicated below:
  - Skill Development Course – 1 : III Semester (Communication Skills in English-I)
  - Skill Development Course – 2 : IV Semester (Communication Skills in English-II & Aptitude-I)
  - Skill Development Course – 3 : V Semester (Aptitude II & Technical Skills-I)
  - Skill Development Course – 4 : VI Semester (Communication Skills in English-III & Technical Skills-II)

  The Finishing School, now renamed as "Skill Development Courses".

Technical Skill Courses

The following Technical Skill Courses are offered by various Departments:

Civil
- Project Management (Primavera)
- MEP and Structures (Revit)
- Industry Standard Coding Practices in C
- Industry Standard Coding Practices using Data Structures

ECE:
- IoT-Based Rapid Prototype Development,
- ARM-Based Embedded System Design
- Verification using System Verilog and FPGA based System Design
- Ethical Hacking and Cyber Security
- Industry Standard Coding Practices in C
- Industry Standard Coding Practices using Data Structures and Industry Coding Practices in Java
- NI LabVIEW

CSE and I.T
- Industry Standard Coding Practices in C
- Industry Standard Coding Practices using Data Structures and Algorithms

EEE:
- Industry Standard Coding Practices in C
- Industry Standard Coding Practices using Data Structures
- Industry Coding Practices in Java

Mechanical:
- FEA (Hyper Works)
- MATLAB
- Solid Modelling (CATIA)
- Industry Standard Coding Practices in C
- Industry Standard Coding Practices   using Data Structures.

Mandatory and Value-added Courses

Mandatory Courses:

- Co-curricular activities in a structured manner.
- Extra Curricular activities in a structured manner.
- Theme based project in addition to main project .
- Online Certification Course of 2 credits (NPTEL, Coursera)

Value-Added Courses:

- CISCO certification courses for ECE and IT
- Professional Practice School for Civil and EEE

Mandatory and other Courses addressing the cross-cutting issues:

- Environmental Science
- Human Values & Professional Ethics
- Human Values & Professional Ethics
- Introduction to Entrepreneurship (Mandatory)
- Basics of Entrepreneurship (Open Elective)
- Advances in Entrepreneurship (Open Elective)

B. E (Honours) Degree introduced in the Departments of ECE, IT and Mechanical Engineering from the academic year 2020-21.

B.E (Minor) Degree in Computer Science & Engineering is introduced for B.E Civil, ECE, EEE and Mechanical Engineering from the academic year 2023-24.

Research and Innovation

- **Anti-plagiarism software** Turnitin is made available with remote Access Facility
- **Incentive policy** to the faculty and the students towards R&D , consultancy and innovation achievements.
- Member of National Entrepreneurship Network (NEN) from 2009
- Member of The Indus-Entrepreneurs (TiE) from 2009
- Member of Technology Entrepreneurship Programme (TEP), which is a joint initiative of ISB and TASK. (Telangana Academy for Skill and Knowledge)
- Member of T-Hub (Technology-Hub) – Funded and supported by the Government of Telangana.
- Member of Confederation of Indian Industry (CII)
- Established ED Cell and Incubation Centre

Professional Societies and their Activities

Following professional societies are engaged in conduct of various co-curricular activities:

- ✓ **CSI : Computer Society of India**
- ✓ **IEI : Institution of Engineers (India)**
- ✓ **SAE: Society of Automotive Engineers**
- ✓ **ACM: Association for Computing Machinery**
- ✓ **IEEE: Institute of Electrical and Electronics Engineers**
- ✓ **ISTE: Indian Society for Technical Education**
- ✓ **IETE: Institution of Electronics and Telecommunication Engineers**

Summary of Activities

Professional Bodies activities organized In the Academic Year : 13

Department	2023-24	2022-23	2021-22
Civil	1	1	1
CSE	3	1	4
ECE	1	9	2
EEE	1	4	
I.T	6	3	2
Mech.	1	1	2
Total	13	19	11

Outreach Programmes organized during the Academic Year : 03

Department	2023-24	2022-23	2021-22
Civil	0	4	3
CSE	0	1	1
ECE	1	1	1
EEE	1	1	1
I.T	0	1	1
Mech.	1	6	6
Total	03	14	13

Extension Activities (NSS)-2023-24

The NSS Unit of the College has organized FIVE Extension Activities during the Academic Year 2023-24

Sl.No	Date	Activity	Collaboration	Students Participated
1	05-09-23	**Substance abuse and it's effect on Youth(Anti-Drug) Awareness Programme:**The Department of Prohibition and & Excise has organized Anti-Drug campaign and Awareness Programme. By Md. Musharaf Ali Paruqui, IAS, Director. Our NSS volunteers have actively volunteered in awareness programme.	The Department of Prohibition and & Excise Hyderabad.	**850**
2	05-09-23	**Women Safety and laws that protect women:**The Department of Police, She Teams, Women Safety Wing, has organized Women Safety and laws that protect women, Smt. Sumathi, IPS, DIG, Telangana. Our NSS volunteers have actively volunteered in awareness programme.	The Police Department, She Teams, Women Safety Wing , Govt. of Telangana	
3	05-09-23	**Traffic Awareness Programme:**The City traffic Police has organized Traffic awareness programme. M. Narising Rao Garu, DSP, City traffic In-charge, Hyderabad. Our NSS volunteers have actively volunteered in awareness programme.	City traffic	**850**
4	01-10-23	**Swachhata Hi Sewa -2023:**Cleaning and Campaigning Programme, Organized at Govt. Primary Scholl, Ibrahimbagh, Hyderabad on 01-10-2023, on the occasion of Mahatma Gandhi birth anniversary.	As per the instructions of AICTE.	
5	12-09-23	**Systematic Voters Education and Electoral Participation**: Voter awareness program SVEEP conducted by GHMC was a wonderful session taken by deputy commissioner karwan circle MRO Golconda and Assistant nodal officer sveep to create awareness among students on importance of vote and how to register for vote online.	GHMC, Deputy commissioner karwan circle, MRO Golconda and Assistant nodal officer sveep	**300**

Entrepreneurship Cell Activities 2023-2024

S.No	Name of the Event	Conducted on	No. of Participants
1.	Ideation contest	26.02.2024	Around 70 Students from Our Colleg
2.	Entrepreneurship Unveiled (Webinar)	21.08.2023	Around 60 Students from Our College
3.	Orientation program	25.09.2023	80-100 students from Swayam
4.	E-Plexus (Networking Event)	30.09.2023	8 E-Cells from Hyderabad (50+Students)
5.	MindKraft Quiz	19.10.2023	Around 80 Students
6.	Pixels to Peace (Webinar)	27.10.2023	Around 60 Students from Our College
7.	Beyond Bulls and Bears-Navigating the Stock Market (E-Talk)	24.11.2023	Around 120 Students
8.	Art of Hustle (Podcast Episode 5) With Charan Lakkaraju, Founder Student Tribe	Released on 8th December 2023	Instagram views: Around 3k views YouTube Views: Around 500
9.	Shutter Success (Workshop)	15.12.2023	Around 100 Students from Our College
10.	Ideation Contest	26.02.2024	Around 70 Students from Our College

Extra Curricular Activities and Clubs

S. No	Name of the club
1	Toast Masters' Club
2	Quiz Club
3	Writer's Club
4	MUN Club
5	Arts Club
6	Photography Club
7	Films Club

Students & Staff Strength

	Male	Female	Total
UG Students	**2291**	**1079**	**3370**
PG Students	**26**	**16**	**42**
Faculty Members	**100**	**71**	**171**
Non-Teaching Staff	**144**	**39**	**183**
Outsourced Staff	**16**	**19**	**35**

- **Faculty with Ph.D qualification : 84**
- **Faculty with M.Phil qualification: 01**
- **Faculty with PG qualification   : 86**
- **Adjunct faculty   : 19**

The Teachers-Student Ratio is as prescribed by AICTE Guidelines.

Department	Professor	Assoc. Prof.	Asst. Prof.
Principal	1	-	-
Civil	02	07	06
CSE	03	08	22
ECE	03	06	20
EEE	03	01	10
IT	02	07	19
Mechanical	05	06	11
Maths	01	03	05
Physics	01	01	03
Chemistry	-	01	05
H&SS	-	-	07
Total	21	40	108
Librarian	1		
Asst. Physical Director :	1		
Total Staff :	171		

Ph.D Degree:

During the academic year 2023-24, a total of 15 faculty members awarded with Ph.D Degree:

1	Ms. B. Sheela Rani Simon, Asst. Prof., Dept. Of H & SS, from O.U.
2	Ms. G. Meena, Asst. Prof., Department of H & SS.
3	Ms. M. Jyothi, Asst. Prof., Department of H & SS.
4	Ms. K. Jhansi Rani, Asst. Prof., Department of H & SS.
5	Mr. K. Rama Krishna, Asst. Prof., Department, of I.T.,
6	Ms. A. Srilakshmi, Asso. Prof., Department of ECE.
7	Mr. V.B.S. Rajendra Prasad, Asso. Prof., Department of Mech. Engg.,
8	Ms. S. Sri Lakshmi, Asst. Prof., Department of I.T.
9	Mr. N. Abid Ali Khan, Asst. Prof., Department of ECE
10	Mr. P. Ravi, Assistant Professor, Department of EEE.
11	Ms. G. Sandhya Rani, Assistant Professor, Department of EEE.
12	Ms. S.A. Deepthi, Asst. Prof., Department of ECE.
13	Mr. R. Sateesh Kumar, Asst. Prof., Department of CSE
14	Ms. Vibha D. Kulkarni, Asst. Prof., Department of ECE.
15	Mr. D.N.S. Bhaskar, Asst. Prof., Deptartment of H & SS.

IT Infrastructure

S. No.	Particulars	Availability	Total
1	PC exclusively available to students	1,503	
2	PCs available in Administrative Office	94	1,768
3	PCs available to Faculty Members	171	
4	No. of Servers	13	13
5	Virtual Servers (Cloud 4C,AWS)	02+03+03	08
6	Internet Bandwidth : a) BSNL – Internet Leased line	250Mbps	
	b) Pioneer – Internet Leased line	400Mbps	
	c) Act Fiber net – Broadband Connection	1Gbps	
7	Internet Contention ratio	1:1	
8	Printers	74	
9	No. of Application Softwares	56	
10	No. of System Softwares	06	
11	No. of Open source Softwares	20	
12	Wi-Fi Connectivity (No.of Access points)	55	
13	UPS Facility	43	
14	Closed Circuit Cameras(CC Cameras)	202	
15	Biometric Attendance System (Staff) eSSL UFace 602 Face Recognition Device – 09 Nos eSSL x990 Biometric & RFID based Devices-16 No	25	
16	EPABX (134 PRI Connections)	1	

Library

Regular up-dation of Titles and Volumes

UG & PG	2023-24	2022-23	2021-22	2020-21
New titles added	29	206	35	7
New Editions added	16	76	11	4
New Volumes added	161	3194	1254	324

Particulars	Volumes
E-Books	97608
Reference Books	12981
Bounded Volumes (Journals)	2,596
Rare Books	123
Project Reports	1,452
Books and Journals CDs	1,329

Year	No. of International Periodicals/Journals			No. of National Periodicals/ Journals
	Softcopy (ASME / ASCE / ELSVIER / DELNET / N-LIST / JGATE)	Softcopy (IEEE proceedings)	Hardcopy	Hardcopy
2023-24	6950	1435	15	86
2022-23	24935	1435	15	86
2021-22	24935	1435	15	86
2020-21	26420	1435	04	79

Infrastructure: Other facilities

- **Generator Facility - 500 kVA and 625 kVA**

- **50KL Sewerage Treatment Plant**

- **275kW Rooftop Solar Installation**

- **R.O Plants**

- **Central Fabrication Facility Machine shop**

- **CAM Laboratory**

- **Research/Statistical Data bases**

- **3D Bio Laboratory (Mech)**

- **4G Laboratory (ECE)**