

Vasavi College of Engineering

(Autonomous)

Accredited by NAAC with A++ Grade

(Sponsored by Vasavi Academy of Education)

(Affiliated to Osmania University & approved by AICTE)

9-5-81, Ibrahimbagh, Hyderabad 500 031, India, www.vce.ac.in

Minutes of 32nd meeting of the Board of Governors (BoG) **held at 11.30 a.m. on 05.08.2023 (Saturday)**

Members present:

- | | |
|---|--------------------|
| 1. Prof. D.N. Reddy | : Chairman |
| Former Director, C.R. Rao Advanced Institute of Mathematics
Statistics and Computer Science
University of Hyderabad Campus
Gachibowli, Hyderabad – 500 046 | |
| 2. Prof. Rega Rajendra | : Member |
| Department of Mechanical Engineering
Osmania University, Hyderabad (University Nominee) | |
| 3. Dr. N. Venkata Reddy, Professor, IIT-Hyderabad | : Member |
| 4. Dr. C. Srinath, Regional Joint Director of Technical Education, | : Member |
| O/o. CTE, Govt. Nominee | |
| 5. Sri P. Ramamohan Rao, President, VAE, (Mgmt. Nominee) | : Member |
| 6. Sri M. Krishna Murthy, Secretary, VAE, (Mgmt. Nominee) | : Member |
| 7. Sri V.M. Parthasarathi, Treasurer, VAE, (Mgmt. Nominee) | : Member |
| 8. Sri P. Balaji, Member, VAE, (Mgmt. Nominee) | : Member |
| 9. Dr. A.S. Sai Prasad, Director (A & A) | : Member |
| Professor & HoD-Physics, VCE, (Teaching Staff) | |
| 10. Dr. P. Hemagiri Rao, CoE, VCE | : Member |
| 11. Dr. S.V. Ramana, Principal, VCE | : Member-Secretary |

The following members could not attend the meeting:

- | | |
|---|----------|
| 1. Prof. Praveen Kumar, Department of Civil Engineering | : Member |
| Indian Institute of Technology, Roorkee-247 667,
Uttarakhand (UGC Nominee) | |
| 2. Sri G. Sudhakar, CEO, M/s. Jupiter Capital Pvt. Ltd., | : Member |
| Management Nominee. | |
| 3. Sri G. Yoganand, Managing Director, M/s. Manjeera | : Member |
| Constructions, Hyderabad (Industrialist) | |

Prof. D.N. Reddy, Chairman, presided over the meeting and welcomed the members to the meeting. The following items on the agenda were taken-up for consideration:

Agenda for Approval:

- Confirmation of the minutes of the 31st meeting of the Board of Governors on 24.12.2022:**

The minutes of the 31st meeting of the Board of Governors held on 24.12.2022 were reviewed and confirmed.

2. Approval of the Action Taken Report on the resolutions of the BoG meeting held on 24.12.2022:

Suggestion	Action taken
<u>Item No. 13.9 of ATR of 31st meeting of BoG:</u> The Chairman suggested incorporation of SCOPUS/SCI/ other indexing details for paper publications.	Information is provided as suggested vide Annexure-II
<u>Item # 8:</u> The Chairman, BoG, has suggested that henceforth the information about the number of years of experience of the faculty, reason for leaving the college may also be provided.	Information is provided as suggested in the Notes
<u>Item # 9.2 III</u> The Chairman-BoG has suggested to examine, whether the MoUs are functioning actively and prepare a Department-wise summary of the activities conducted as part of the MoU, company-wise.	Information is provided as suggested vide Annexure-III
<u>Item No. 9.2 IV (d):</u> The Chairman-BoG, has advised to enquire from the faculty (those who had not) the reasons for not completing/enrolling for the NPTEL Certificate(s) Courses during July – December, 2022.	The HoDs concerned were advised to counsel/mentor the faculty, who had not registered for NPTEL during July – December, 2022 and accordingly measures were taken to register for NPTEL Courses during Jan – April, 2023 session, by all the faculty.

After having gone through the Action Taken Report, members suggested the following:

Prof. Venkata Reddy advised to explore the possibility of deputing VCE faculty for a semester to IIT-Hyderabad to enhance the quality of their teaching.

Prof. Rega Rajendra advised to examine the possibility of entering into an MoU with M/s. Siemens in setting-up of a Centre of Excellence towards training the students & faculty.

After review, the BoG has approved the action taken by the College against each item.

3. **Review and approval of the minutes of the 19th meeting of the Academic Council held on 15th July, 2023:**

The minutes of the 19th meeting of Academic Council held on 15.07.2023, which were placed before the BoG vide Annexure-II were reviewed.

- Prof. Rega Rajendra suggested to examine different types of online Courses related to Design Thinking being offered by SWAYAM-NPTEL, which can be undergone by the VCE students & faculty. He also advised to examine the feasibility of introducing Mechatronics – Theory & Laboratory Courses for B.E – Mechanical Engineering students.
- Prof. Venkata Reddy expressed his willingness to mentor a student/faculty project, if any, on developing a 3-D Printing Machine with retrofitting a Welding Machine.

The members have also reviewed the Scheme of Instruction & Examinations and the Academic Regulations, as detailed below, for offering the proposed “Minor Degree” in Computer Science & Engineering for B.E – Civil, ECE, EEE & Mechanical Engineering students to be offered from the Academic year 2023-24 and resolved to approve the proposal:

Minor Degree in Computer Science & Engineering : Scheme of Instruction & Examinations and Academic Regulations:

- Minor Degree in Computer Science and Engineering is an additional credential a student can acquire if she/he earns extra 18 credits by registering and completing the required courses. On successful accumulation of credits at the end of the programme, it will be mentioned in the Degree Certificate as “Bachelor of Engineering (XXX) with Minor Degree in Computer Science and Engineering”. The same will also be reflected in the transcript, along with the list of the courses taken. All requirements towards the basic degree and the Minor Degree have to be completed within the stipulated period of the basic programme for which they are admitted.

Eligibility Criteria:

- Any student admitted to BE regular programme in Civil, ECE, EEE & Mech Engineering disciplines can opt for BE –Minor Degree programme in CSE at the end of the III semester. The student should have a CGPA of 7.0 and above (upto B.E –II Semester) and should have cleared all the courses as prescribed in the curriculum in the first attempt.
- Batch Size : Minimum of 40 and Maximum of 60 students.
- The students should complete the mandatory requirement of completing ONE NPTEL Certification Course (as per BE regular programme regulations) by the end of III Semester of their study.

Academic Requirements:

- In addition to the BE regular programme course structure as specified, the BE –Minor Degree students must register & complete additional courses as prescribed by the College with a minimum of 18 credits during IV to VIII semesters of their study.
- Students who have opted for BE – Minor Degree programme will be exempted from the ECA-2 Course during V semester (which is the part of regular BE curriculum and does not carry any credits).

SCHEME FOR MINOR DEGREE IN COMPUTER SCIENCE AND ENGINEERING

Course Code	Name of the Course	Semester	Scheme of Instruction			Scheme of Examination			
			Hours per Week			Duration in Hrs	Maximum Marks		Credits
			L	T	P		SEE	CIE	
THEORY & LAB									
U22MD410CS	Python Programming	IV	2	-	-	3	60	40	2
U22MD411CS	Python Programming Lab	IV	-	-	2	3	50	30	1
U22MD510CS	Operating Systems	V	2	-	-	3	60	40	2
U22MD511CS	Operating Systems Lab	V	-	-	2	3	50	30	1
U22MD610CS	Database Management Systems	VI	2	-	-	3	60	40	2
U22MD611CS	Database Management Systems Lab	VI	-	-	2	3	50	30	1
U22MD710CS	Web Technologies	VII	2	-	-	3	60	40	2
U22MD711CS	Web Technologies Lab	VII	-	-	2	3	50	30	1
U22MD819CS	Mini Project	VIII	-	-	4	3	60	40	2
	NPTEL Courses	VIII	-	-	-	-	-	-	4
TOTAL			8	-	12	-	500	320	18
GRAND TOTAL			20				820		
Student should acquire Two NPTEL course certifications (Each 8 weeks or above duration having 2 credits) during IV Sem to VII Sem									

**Two NPTEL courses need to be completed from the below mentioned table
(Each 8 weeks or above duration having 2 credits)**

AI&ML	Data Science	IoT	Networks & Security	General
Introduction to Artificial Intelligence	Data Science for Engineers	Distributed Systems	Computer Networks and Internet Protocol	Programming In Modern C++
Artificial Intelligence Search Methods for Problem Solving	Data Analytics with Python	Cloud Computing	Cryptography and Network Security	Programming In Java
Introduction to Machine Learning	Big Data Computing	Introduction to Internet of Things	Introduction to Cyber Security	Software Engineering
Deep Learning	Computer Vision	Introduction to Industry 4.0 and Industrial Internet of Things	Blockchain and its Applications	Design & Implementation of Human-Computer Interfaces

Eligibility for the award of BE –Minor degree:

A student who has opted for BE – Minor Degree should earn additional credits of 18 by completing additional courses as prescribed upto VIII semester to become eligible for the award of BE –Minor Degree.

Option to drop out from BE –Minor Degree Programme:

Based on exigency, students will be permitted to exit from BE –Minor Degree Program after IV semester and continue their BE-Regular programme. However, in such a case, the students should complete the exempted ECA-2 course during V Semester of their study.

Mode of allotment:

After receiving the options from the interested students, allotment for 60 seats will be done on the basis of CGPA secured upto II Semester and following is the basis for the allotment:

- For ECE students : 30 Seats
- For EEE students : 10 Seats
- For Mech. Engineering students: 10 Seats
- For Civil Engineering students : 10 Seats

In case less number of students opt in any branch as against quota earmarked for respective branch, the leftover seats will be allocated to other branches on the basis of same ratio.

After review, the minutes of the 19th meeting of the Academic Council, which included the proposal of offering "Minor Degree" in CSE from the Academic Year 2023-24, are approved.

4. Review and approve the minutes of Finance Committee meeting held on 24.07.2023:

After having gone through the minutes of the Finance Committee, the Chairman, BoG, has suggested to show the expenditure incurred towards (i) Gold Medals (ii) Best Academic Awards and (iii) Best Project Awards.

Accordingly, the minutes of the Finance Committee meeting held on 24.07.2023 were then approved.

Agenda for Ratification:**5. Ratification of the recruitment of faculty during the period from 01.01.2023 to 15.07.2023:**

The BoG has noted the faculty members who have been appointed in various departments during the period from 01.01.2023 to 15.07.2023, as listed below:

S No.	Name of the faculty (Mr./Ms./Dr.)	Designation	Dept.	Date of joining	Nature of Appt.
1	K. Krishna Kishore	Asso. Prof.	ECE	09.01.2023	Contract
2	A.Deepthi	Asst. Prof.	CSE	11.01.2023	Contract
3	Hafizuddin Mahmed	Asst. Prof.	ECE	06.02.2023	Contract
4	Ch. Sahithi	Asst. Prof.	CSE	04.02.2023	Contract
5	G. Srinivas	Asso. Prof.	Civil	23.01.2023	Contract
6	G. Raghavendra	Asso. Prof.	Civil	27.01.2023	Contract
7	K. Jayasree	Asso. Prof.	Civil	10.05.2023	Regular
8	K. Deepthi	Asso. Prof.	ECE	10.05.2023	Regular
9	D. Vaman Ravi Prasad	Asst. Prof.	CSE	08.06.2023	Regular
10	Haseeba Yaseen	Asst. Prof.	I.T	08.06.2023	Regular
11	M. Sathya Devi	Asst. Prof.	I.T	08.06.2023	Regular
12	K.Ramakrishna Reddy	Asst. Prof.	EEE	08.06.2023	Regular
13	C. Srinivasaratnam	Asst. Prof.	EEE	08.06.2023	Regular
14	Shiek Ruksana	Asst. Prof.	EEE	08.06.2023	Regular
15	Vijaya Durga	Asst. Prof.	ECE	08.06.2023	Regular
16	K. Srividya	Asst. Prof.	CSE	08.06.2023	Regular
17	Sruthi Anand	Asst. Prof.	I.T	30.06.2023	Contract
18	P. Venugopal	Asso. Prof.	Chem	05.07.2023	Contract*
19	P. Bhargava	Asst. Prof.	ECE	07.07.2023	Regular
* Attained superannuation. Re-appointed as Associate Professor in the Department of Chemistry.					

The BoG has resolved to ratify these recruitments.

Agenda to Note:**6. The status of Campus Placements for the academic year 2022-23:**

The Member-Secretary presented the status of the campus placements of UG and PG students for the 2023 graduated batch as follows:

1) B.E.: Placements summary (2023 Graduated batch as on 15.07.2023):

Branch	No. of students eligible	Gross Selection	Net Selection	% Selection	Average Pay Package (Rs. in lakhs per annum)
CSE	192	507	187	97.40	9.65
IT	181	410	172	95.03	9.65
ECE	180	372	160	87.22	7.30
EEE	57	96	47	82.46	5.10
Mech.	96	98	62	63.54	5.10
Civil	52	40	30	57.69	4.00
Total	758	1523	658	86.28	8.13

• No. of students with 1 offer	:	211
• No. of students with 2 offers	:	196
• No. of students with 3 offers	:	131
• No. of students with 4 offers	:	82
• No. of students with 5 offers	:	28
• No. of students with 6 offers	:	9
• No. of students with 7 offers	:	1
Net selections	:	658
Highest salary : (Atlassian)	Base salary : Rs.20.8 LPA, Sign on bonus : Rs.50,000 (Bonus 10% of salary) Stocks : US\$75,000 (over 4-years)	
Min. salary	:	Rs.3.50 lakhs per annum
Average salary	:	Rs.8.13 lakhs per annum

b) ***M.E/M.Tech.: Placements summary (2023 Graduating batch as on 15.07.2023):***

Branch	No. of students eligible	Gross Selection	Net Selection	% Selection	Average Pay Package (Rs. in lakhs)
M.E (ADM)	6	---	---	---	---
M.E (ES&VLSID)	3	2	2	66.66	5.00
M.E (CE & SP)	1	0	0	0	0.00
M.E (PS & PE)	6	1	1	16.66	6.50
M.Tech. (CSE)	3	2	2	66.66	4.50
Total	19	5	5	26.31	4.75

The BoG noted the status of the campus placements

7. Status of AQAR-2022 submitted to NAAC:

The Member-Secretary informed that the College has submitted the AQAR for the year 2021-22 on 12th May, 2023 and also submitted the clarifications to the DVV process.

The BoG noted the status of the campus placements

8. The retirements of staff due to superannuation & resignations during the period from 01.01.2023 to 15.07.2023:

The BoG noted that the following faculty members were relieved on their attaining the age of superannuation/acceptance of resignation during the period from 01.01.2023 to 15.07.2023:

S No.	Name of the faculty (Mr./Ms./Dr.)	Designation	Dept.	Total service	Date of relief	Reasons for leaving
1	V. Venkata Krishna	Prof.	I.T	4 Yrs. 7 months	07.01.2023	Personal
2	Khaja Fasuddin	Asst. Prof.	ECE	2 Yrs. 8 months	28.02.2023	Personal
3	S. Subba Rao	Asst. Prof.	ECE	2 Yrs. 5 months	16.03.2023	Personal
4	M. Bajji Babu	Asst. Prof.	ECE	2 Yrs. 6 months	18.03.2023	Personal
5	K. Pavan Kumar	Asso. Prof.	Civil	1 Yr.	01.03.2023	Personal

S No.	Name of the faculty (Mr./Ms./Dr.)	Designation	Dept.	Total service	Date of relief	Reasons for leaving
6	Ch. Sahithi	Asst. Prof.	CSE	1 Yr.	09.03.2023	Personal
7	S. Kirthana	Asst. Prof.	Mech.	7 Yrs. 9 months	27.03.2023	Personal
8	K. Kavya	Asst. Prof.	I.T	8 months	15.05.2023	Personal
9	P. Samyuktha	Asst. Prof.	CSE	2 Yrs. 2 months	20.05.2023	Personal
10	Mukesh Kumar Tripathi	Asst. Prof.	I.T	1 Yr. 9 months	15.05.2023	Personal
11	A.Deepthi	Asst. Prof.	CSE	4 months	10.05.2023	Personal
12	T.Krishna Chaitanya	Asst. Prof.	Mech.	4 Yrs. 10 months	31.05.2023	Personal
13	NAL Sruthi	Asst. Prof.	ECE	8 months	01.05.2023	Personal
14	P. Venugopal	Asso. Prof.	Chem	22 Yrs.	30.06.2023	Superannuated
15	T. Srinivas	Asso. Prof.	Civil	34 Yrs.	30.06.2023	Superannuated
16	K. Dheerga Rao	Prof.	ECE	7 Yrs. 3 months	31.05.2023	Personal
17	Manoj Patil	Asst. Prof.	I.T	2 Yrs. 6 months	15.05.2023	Personal
18	M. Sudhakar	Asst. Prof.	Mech.	14 Yrs.	04.07.2023	Personal

The BoG noted the above list for the period from 01.01.2023 to 15.07.2023

9. The notable achievements of the College during 01.01.2023 to 15.07.2023:

9.1 Guest lectures/Training Programmes/Workshops/Hackathon organized for students:

S No.	Department	No. of Programmes organized
1	Civil Engineering	08
2	Computer Science & Engineering	13
3	Electronics & Communication Engineering	24
4	Electrical & Electronics Engineering	4
5	Information Technology	25
6	Mechanical Engineering	3
7	Mathematics	1
8	Physics	---
9	Chemistry	2
10	Humanities & Social Sciences	---
Total		80

9.2 FDPs/Workshops/Conferences/Training Programmes conducted for faculty:

The College has organized a workshop on "Time Management" for the benefit of the faculty on 28.03.2023. Dr. K.S.R. Sarma, Assistant Professor, Siva Sivani Institute of Management, Secunderabad, is the Resource Person for the Workshop.

The Department-wise details pertaining to the conduct of various FDPs/Workshops/Conferences/Training Programmes for the benefit of faculty are as follows:

	Department	No. of Programmes organized
1	Civil Engineering	2
2	Computer Science & Engineering	1*
3	Electronics & Communication Engineering	4
4	Electrical & Electronics Engineering	1
5	Information Technology	3+1@
6	Mechanical Engineering	1
7	Mathematics	1+1\$
	Total	15

* The Department of CSE organized an International Conference on "Cognitive & Intelligent Computing (ICCIC-2022), on 27th & 28th December, 2022.

@ The Department of I.T., conducted an International Conference "Machine Intelligence for GeoAnalytics and Remote Sensing (MIGARS) 2023" from 27.01.2023 to 29.01.2023.

\$ The Department of Mathematics has organized 1-Day national level workshop. Dr. Subrahmanya Sastry Challa, Professor, IIT-Hyderabad, was the Chief Guest.

The Department of Mathematics has also organized National Mathematics Day on 15.05.2023. Prof. M.A. Srinivas & Prof. M. Raghavendra Sharma were the Chief Guests of the function.

9.3 FDP/Conferences/Workshops attended by the faculty:

S No.	Department	No. of faculty attended
1	Civil Engineering	7
2	Computer Science & Engineering	27
3	Electronics & Communication Engineering	65
4	Electrical & Electronics Engineering	14
5	Information Technology	30
6	Mechanical Engineering	14
7	Mathematics	8
8	Physics	7
9	Chemistry	29
10	Humanities & Social Sciences	14
	Total	215

9.4 Journal & Conference publications by the faculty:

S No.	Department	No. of publications
1	Civil Engineering	2
2	Computer Science & Engineering	44
3	Electronics & Communication Engineering	45
4	Electrical & Electronics Engineering	6
5	Information Technology	27
6	Mechanical Engineering	9
7	Mathematics	9
8	Physics	9
9	Chemistry	3
10	Humanities & Social Sciences	13
Total		167

9.5 The following faculty members were awarded with Ph.D degree:

- Ms. B. Sheela Rani Simon, Asst. Prof., Dept. of H & SS, from O.U.
- Ms. G. Meena, Asst. Prof., Dept. of H & SS, from Acharya Nagarjuna Univ.
- Ms. M. Jyothi, Asst. Prof., Dept. of H & SS, from Osmania University.
- Ms. K. Jhansi Rani, Asst. Prof., Dept. of H & SS, from Osmania University.
- Mr. K. Rama Krishna, Asst. Prof., Dept. of I.T., from Osmania University.
- Ms. A. Srilakshmi, Asso. Prof., Dept. of ECE, from JNTU-Hyderabad.
- Mr. V.B.S. Rajendra Prasad, Asso. Prof., Dept. of Mech. Engg., from O.U.
- Ms. S. Sri Lakshmi, Asst. Prof., Dept. of I.T., from Osmania University.
- Mr. N. Abid Ali Khan, Asst. Prof., Dept. of ECE, from Osmania University.
- Mr. P. Ravi, Assistant Professor, Dept. of EEE, from KL University.
- Ms. G. Sandhya Rani, Asst. Prof., Dept. of EEE, from Osmania University.

9.6 Faculty pursuing Ph.D:

S No.	Department	No. of faculty
1	Civil Engineering	4
2	Computer Science & Engineering	10
3	Electronics & Communication Engineering	10
4	Electrical & Electronics Engineering	6
5	Information Technology	13
6	Mechanical Engineering	8
7	Mathematics	4
8	Physics	---
9	Chemistry	---
10	Humanities & Social Sciences	1
Total		56

9.7 Patents published

- Dr. Kasi Rama Krishna Reddy, Assistant Professor of EEE, certified that a patent entitled "Full-Bridge Soft Switched Driver for Led Based Street Lighting" has been granted.

- Dr. T. Adilakshmi, HoD-CSE and others, published a patent "Optimization of the Pv6 Neighbor Discovery Protocol to Boost Network Performance and Enable Seamless Integration of IoT" (No. 202241066133).
- Dr. T. Adilakshmi, HoD-CSE and others, published a patent GIS Based Swage Monitoring System using IOT (No. 202341001586).
- Dr. R. Santosh Kumar, Asso. Prof., of CSE, VCE and others, published a patent "Mutual Authentication of Sensor Nodes with Intermediate nodes for IoT in the Context of Fog Computing" (No. 202341027057).
- Ms. T. Priyanka, Asst. Professor of CSE, VCE and others, published a patent "Design System of Microservices-Based IoT-Cloud Service Composition over Multiple Clouds" (No. 202341007192).
- Dr. R. Santosh Kumar, Asso. Prof., of CSE, VCE and others, published a patent "The Design of a Low-cost IoT System for Automated Attendee Registration based on Wireless Electronic Sensors" (No. 202341025670).
- Mr. M.V.B. Murali Krishna, Asst. Prof., of CSE, VCE and others, published a patent "Fire Detection and Prevention Device" (No. 382544-001).
- Mr. D. Vaman Ravi Prasad, Asst. Prof., of CSE, VCE and others published a patent "Convolutd Passenger Counter" (No. 202341020809).
- Mr. D. Vaman Ravi Prasad, Asst. Prof., of CSE, VCE and others published a patent "IRIS recognition" (No. 202341018503).
- Ms. J. Madhumathi, Asst. Prof., of CSE, VCE and others published a patent "Implementation of Intelligent Online Security System with Cloud Server" (No. 202341027057).
- Dr. K. Veera Swamy, Professor, Department of ECE, VCE and others published a patent "Microwave Sensor based Soil Analyzer" (No. 373989-001).
- Dr. E. Sreenivasa Rao, HoD-ECE, VCE and others published a patent "AI and IoT Based Automatic Smart Healthcare Monitoring System to Monitor Health for Pet Animals and Birds" (No. 202341006893 A).
- Dr. K. Veera Swamy, Professor, Department of ECE, VCE and others published a patent "Optical Emission Spectrometer" (Design No. 377790-001).
- Dr. K. Veera Swamy, Professor, Department of ECE, VCE and other faculty members of ECE, VCE, published a patent "Image Processing and Face Detection Analysis of Face Verification and the Performance Based on the Age Stages" (No. 202341018 628A).
- Dr. E. Srinivasa Rao, HoD-ECE, VCE and other faculty members of ECE, VCE, published a patent "A Long Range Radio Communication and Water Level Monitoring in Motor Control System Techniques" (No.202341018629A)
- Dr. A. Srilakshmi, Asso. Prof., of ECE, VCE and other faculty members of ECE, VCE, published a patent "GPS Based Tracking and Real Time Altering Message System for Service Delivery" (No.202341027222A).

- Dr. D.M.K. Chaitanya, Asso. Prof., of ECE, VCE and other faculty members of ECE, VCE, published a patent "System and Method for Monitoring and Analysis The Exercise Parameters in Wireless Wearable Devices" (No.202341027221A).
- Dr. K. Krishna Kishore, Asso. Prof., Department of ECE, VCE, published a patent "Device to Learn Braille Board by Blind People" (No.202341034796A)
- Dr. B. Kezia Rani, Asso. Prof., Department of I.T, VCE, published a patent "A Novel Techniques Based on Support Vector Machines for Predicting The Daily Closing Prices of Selected Shares in the Stock Market" (No.202241077043A).
- Dr. B. Kezia Rani, Asso. Prof., Department of I.T, VCE, published a patent "Implementation of Machine Learning Techniques for Attack and Anomaly Detection in IoT Sensors and Sites" (No.202241073450A).
- Ms. S. Renuka, Asst. Prof., Department of I.T., VCE, and others published a patent "analysis of issue faced by mid-level employee in Indian IT Sector" (No. 202241065320A).
- Dr. S.K. Prashanth, Asso. Prof., Dept., of I.T., VCE and others published a patent "IoT Based Face Mask Detecting and Body Temperature Measuring Device" (No. 376913-001).
- Ms. S. Rajyalaxmi, Asst. Prof., Department of I.T, VCE and others published a patent "Systematic Framework for Analyzing the Performance of Supply Chain Finance Management through Block Chain" (No.202241069356A).
- Ms. Haseeba Yaseen, Asst. Prof., Department of I.T. and others published a patent "A Method for identification of appropriate drugs for specific diagnosis" (No.202341016138A).
- Dr. Goswami Tilottama, Professor, Department of I.T. and others published a patent "Research Contribution on Framework for Representing Outdoor Scenes has been granted (**German Patent IPC : G06T 7/10, Appln. No. 20 2023 101 249**).
- Dr. T. Hitendra Sarma, Asso. Prof., Department of I.T., and others published a patent "Development of a Novel Fused descriptor-based framework for recognition of fish species applying Machine Learning Techniques" (No. 202341018025A).
- Dr. S.K. Chaya Devi, Asso. Prof., Department of I.T., and others published a patent "Smart Attendance System" (No. 202341029239A).
- Dr. T. Ramprasad, Asso. Prof., Department of Mathematics, published a patent "A System for calculating binomial Mathematical expression and method thereof" (No. 202241021363).

- Dr. T. Ramprasad, Asso. Prof., Department of Mathematics, published a patent "Statistical Analysis of Healthcare Information System" (No. 202221023350).
- Dr. T. Ramprasad, Asso. Prof., Department of Mathematics, published a patent "The" (No. 202221023350).
- Dr. T. Ramprasad, Dr. Ch. Naga Anuradha & Mr. Y. Bhanu Prakash, faculty of Mathematics, VCE, presented a patent "An AI based system and method for simulating systems described by partial differential equations" (No.202341019981).

9.8 Outreach programmes conducted:

- The Department of CSE has organized an Outreach Programme on "Fundamentals of Python and Java Programming" for the students of Govt. ITI, Shanthinagar, masabtank, Hyderabad from 17.04.2023 to 21.04.2023.
- The Department of EEE has organized an Outreach Programme on "Modern Practices in Electrical Engineering" from 20.03.2023 to 25.03.2023 for the Diploma students of Annapurna ITC, Ramsing Pura, Tallagadda, Karwan, Hyderabad.
- The Department of ECE has organized 1-Week Skill Development Workshop for the 1st year ITI Students, Govt. ITI, Mallepally, Hyderabad from 20.02.2023 to 25.02.2023.
- The Department of Mechanical Engineering has organized CAD/CAM training to 32 Diploma students of Govt. Polytechnic, Masab Tank, Hyderabad, from 19.01.2023 to 23.01.2023.
- The Department of Information Technology has organized an Outreach Programme on "Computer Basics and MSOffice" for rural youth of nearby villages.
- The Department of Civil Engineering has organized Outreach Programme for the students from Govt. Polytechnic College, Masab Tank, Hyderabad on 18th April, 2023.

9.9 MoUs:

- The Department of Civil Engineering has entered into an MoU with Geomap Systems Pvt. Ltd., Hyderabad.

9.10 SWAYAM-NPTEL

For the period Jan- June 2023 the College has secured two certificates from NPTEL (1) Grade AA certificate and (2) Best faculty performance certificate

Following is the summary with regard to staff and students enrolled, total pass etc. in the NPTEL Examinations conducted during January – April, 2023:

<i>Faculty Information (Jan - April 2023)</i>												
S.No	Certification type	Civil	CSE	ECE	EEE	IT	MED	HSS	Maths	Phy	Che	Total
1	Elite + Gold + topper 1 %											
2	Elite + Gold + topper 2 %											
3	Elite + Gold + topper 5 %			2		1	1	1				5
4	Elite + Gold											0
5	Elite+Silver + topper 1 %	1		2								3
6	Elite+Silver + topper 2 %		1			1						2
7	Elite+Silver + topper 5 %	2	1			3		3				9
8	Elite+Silver	2	7	6	3	4	8		2	3	5	40
9	Elite +topper				1							1
10	Elite	6	12	22	4	11	9		3	4	3	74
11	Successfully completed	2	5	7	2	6	1	2	2			27
	No Certificate											
Total -->		13	26	39	10	26	19	6	7	7	8	161

<i>Students Information (Jan - April 2023)</i>									
S.No	Certification type	Civil	CSE	ECE	EEE	IT	MED	Total	
1	Elite + Gold + topper 1 %		3			1		4	
2	Elite + Gold + topper 2 %		1	1				2	
3	Elite + Gold + topper 5 %		1	1				2	
4	Elite + Gold		1	1				2	
5	Elite+Silver + topper 1 %					1		1	
6	Elite+Silver + topper 2 %		6		1	4		11	
7	Elite+Silver + topper 5 %	1	15	3	1	2	1	23	
8	Elite+Silver	11	56	40	9	28	2	146	
9	Elite Topper 2%							0	
10	Elite Topper 5%					2		2	
11	Elite	22	121	102	28	76	23	372	
12	Successfully completed	10	54	56	27	67	65	279	
13	No Certificate								
Total -->		44	258	204	66	181	91	844	

Faculty passed	:	161	Students passed	:	844
Faculty registered for Examination	:	172	Students registered for Examination	:	1086
Faculty pass percentage	:	93.6	Students' pass percentage	:	77.7
Faculty + Students passed	:	1005			
Total registered	:	1258			
Pass percentage	:	79.9			

9.11 Project Proposals:

- Dr. B. Sridhar (PI), Dr. M.V.S.S. Sastry (Co-PI) and Dr. V Vinayaka Ram (Co-PI) have jointly submitted project proposal "Development of Durable Eco-Friendly Recycled Aggregates Based Prestressed Alkaly-Activated Concrete Railway Sleepers" to SERB.
- The Consultancy Project viz., "Design & Development of Engineering KPI platform using AI & Other Tech Stacks" submitted to M/s. Navaratan Technologies Pvt. Ltd. The cost of project is Rs.1,40,000/-.
- The Project proposal "Drone/UAV Based Multi Sensor High Quality Precision Photogrammetry Laser Mapping and Data Capture, Processing for Geo-Spatial Platforms" submitted by the Department of I.T., has been accepted by DST-MST. The cost of the Project is Rs.34,78,200/-.
- The Consultancy Project proposal "Design & Development of 2-D Convergent & Divergent Nozzle Operating Mechanism" submitted by the Department of Mechanical Engineering, has been accepted by M/s. Misochain, Bengaluru. The cost of the Project is Rs.8,30,000/-.

9.12 Events organized:

- The Department of Civil Engineering, VCE, organized "World Water Day-2023" on 21.03.2023.

9.13 Industrial Visit:

- A total number of 50 students studying B.E (Civil) – III Semester visited National Academy of Construction, Hyderabad on 03.03.2023.

9.14 Extra-Curricular Activities:

- The College NSS Unit organized the following events during the period from 15.12.2022 to 30.06.2023:
 - Blood Donation Camps
 - Anti-Drug Awareness Programmes
 - Voters' Day
 - World Water Day
 - Aksharamala – a Volunteer based online coaching to the students studying in Govt. Schools
 - World Environment Day
 - Tree plantation
 - International Yoga Day
 - Anti-ragging Awareness Programme

Sports & Games:

The Department of Sports & Games organized the following events during the period from 15.12.2022 to 30.06.2023:


- Annual Sports Meet
- O.U. Inter Collegiate Chess Tournament on 27th & 28th January, 2023. Major K.A. Shivaprasad garu, Vice-President of Telangana State Chess Association and President of Ranga Reddy District Chess Association was the Chief Guest.


- Students' participation:

Some of the notable achievements of our students are as follows:

- Ms. S. Bhavya, 2/4 I.T. students participated in 34th Federation Cup Handball Championship for Women from 10th to 13th January, 2023, at Karauli, Rajasthan.
- Ms. S. Bhavya, 2/4 I.T. students participated in 51st Senior Women National Handball 34th Federation Cup Handball Championship on 15th to 19th March, 2023 at Varanasi, U.P.
- The College Basketball Team participated in O.U. Basketball (Men) Tournament from 13th to 15th December, 2022 and stood Runner-ups.

The BoG noted the above achievements of the College


(Prof. D.N. Reddy)
Chairman, BoG


(Dr. S.V. Ramana)
Principal, VCE
Member-Secretary, BoG