

AICTE Mandatory Disclosures

Vignan's Foundation for Science, Technology, and Research

Vadlamudi- 522213

Andhra Pradesh

VESTAR

AICTE Mandatory Disclosures

I. Name of the Institute:

**Vignan's Foundation for Science, Technology and Research
(Deemed to be University)**

Vadlamudi Post, ChebroluMandal, Guntur District,
Andhra Pradesh, PIN-522213

e-mail: info@vignan.ac.in

website: www.vignan.ac.in

Telephone: 0863-2344700 / 701

II. Name and Address of the Trust / Society / Company and the Trustees

Vignan's Foundation for Science, Technology and Research

Vadlamudi Post, ChebroluMandal, Guntur District,
Andhra Pradesh, PIN-522213

III. Name and Address of the Vice Chancellor/ Principal/ Director

Dr. M. Y. S. Prasad

Vice-Chancellor

Vignan's Foundation for Science, Technology and Research

Vadlamudi, Guntur District, Andrapradesh

PIN-522213

e-mail: vc@vignan.ac.in

website: www.vignan.ac.in

Telephone: 0863-2344700 / 701

IV. Name of the affiliating University:

Not Applicable

V. Governance

• **Members of the Board and their brief background**

Sl.No.	Name of the Member	Designation	Designation
1	Dr. M. Y. S. Prasad	Vice-Chancellor	Chairman
2	Dr. K. Satya Prasad	Rector	Member
Deans of Faculties not exceeding two (by rotation based on inter-se seniority)			
3	Dr. P. M. V. Rao	Dean, Academic Registration and Evaluation, VFSTR	Member
4	Dr. Ravi Kumar Vellanki	Dean, Admissions, VFSTR	Member
Three eminent academicians as nominated by the Chancellor			
5	Prof. B. V. R. Chowdary	Senior Executive Director, Presidents Office, Nanyang Technological University (NTU), Singapore.	Member
6	Prof. H. Devaraj	Former Vice-Chairman, UGC, New Delhi.	Member
7	Dr. T. S. Rao	Sr. Advisor, Dept. of Biotechnology, Ministry of Science & Technology, Govt. of India, New Delhi.	Member
Two teachers (one each from the cadres Professors and Associate Professors by rotation based on inter-se seniority)			
8	Dr. M. S. S. Rukmini	Professor, Dept. of ECE, VFSTR	Member
9	Mr. D. Vijay Krishna	Dean, Training & Placement Cell, VFSTR	Member

Nominees of the Sponsoring Trust (Maximum of four)			
10	Prof. P. V. G. D. Prasad Reddy	Professor, Dept. of Computer Science & Systems Engg., College of Engineering, Former Registrar of Andhra University, Visakhapatnam	Member
11	Dr. Y. Sarat	Director, United Health Systems Pvt. Ltd., Hyderabad	Member
12	Mr. L. Srikrishnadevarayalu	Vice-Chairman, Lavu Educational Society, Guntur	Member
13	Nominee of the Government	-	To be nominated by UGC
14	Cmdr. Dr. M. S. Raghunathan	Registrar, VFSTR	Member Secretary

• **Members of Academic Advisory Body**

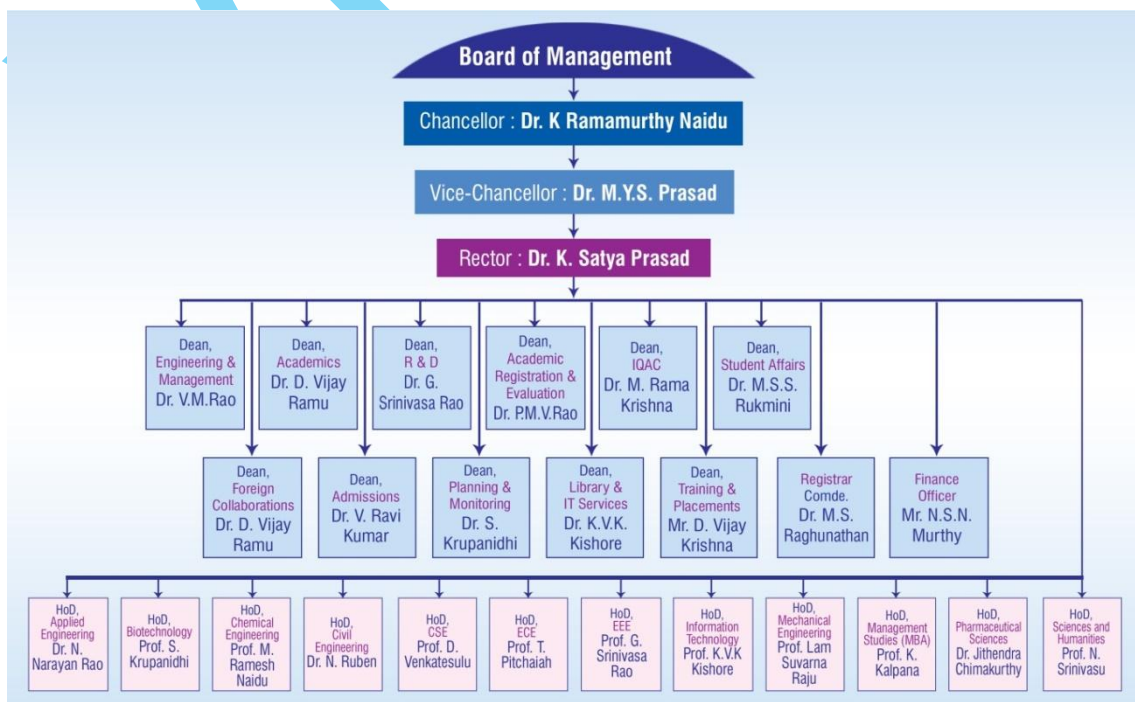
Sl.No.	Name of the Member	Designation	Designation
1	Dr. M. Y. S. Prasad	Vice-Chancellor	Chairman
2	Dr. K. Satya Prasad	Rector	Member
Deans of Faculty			
3	Dr. V. MadhusudhanRao	Dean, E&M, VFSTR	Member
4	Prof. K. V. Krishna Kishore	Dean, IT&Lib., VFSTR	Member
5	Dr. P. M. V. Rao	Dean, Academic Registration and Evaluation, VFSTR	Member
6	Dr. V. Ravi Kumar	Dean, Admissions, VFSTR	Member
7	Dr. M. S. S. Rukmini	Dean, Student Affairs, VFSTR	Member
8	Dr. M. Ramakrishna	Dean, IQAC, VFSTR	Member
9	Dr. S. Krupanidhi	Dean, P&M, VFSTR	Member
10	Dr. D. VijayaRamu	Dean, Foreign Collaboration, VFSTR	Member
11	Mr. D. Vijay Krishna	Dean, T&P, VFSTR	Member
12	Dr. D. VijayaRamu	Dean, Academics, VFSTR	Member
13	Dr. G. SrinivasaRao	Dean, R&D, VFSTR	Member
Heads of the Departments			
14	Mr. N. Narayan Rao	HoD, Applied Engg., VFSTR	Member
15	Dr. S. Krupanidhi	HoD, Biotechnology, VFSTR	Member
16	Dr. M. Ramesh Naidu	HoD, CHEM. Engg., VFSTR	Member
17	Dr. Ruben N	HoD, Civil Engg., VFSTR	Member
18	Dr. D. Venkatesulu	HoD, CSE, VFSTR	Member
19	Dr. T. Pitchaiah	HoD, ECE, VFSTR	Member
20	Dr. G. SrinivasaRao	HoD, EEE, VFSTR	Member
21	Dr. K. V. Krishna Kishore	HoD, IT, VFSTR	Member
22	Dr. N. Srinivasu	HoD, S&H, VFSTR	Member
23	Dr. L. S. Raju	HoD, Mech. Engg., VFSTR	Member
24	Dr. K. Kalpana	HoD, MBA, VFSTR	Member
Ten Professors, other than the Heads of the Departments, by rotation based on inter-se seniority			
25	Dr. M. Sreenivasulu	Professor, Dept. of S&H, VFSTR	Member
26	Dr. B. Seetharamanjaneyulu	Professor, Dept. of ECE, VFSTR	Member
27	Dr. M B Rao	Professor, Dept. of MBA, VFSTR	Member
28	Dr. P L N Varma	Professor, Dept. of S&H, VFSTR	Member
29	Dr. Nitta GnaneswaraRao	Professor, Dept. of CSE, VFSTR	Member
30	Dr. N. Usha Rani	Professor, Dept. of ECE, VFSTR	Member
31	Dr. N. Veerajaneyulu	Professor, Dept. of IT, VFSTR	Member
32	Dr. ShaikJakeerHussain	Professor, Dept. of ECE, VFSTR	Member

33	Dr. K. Hemantha Kumar	Professor, Dept. of CSE, VFSTR	Member
34	Dr. Sharada Allamneni	Professor, Dept. of S&H, VFSTR	Member
Two Associate Professors from the Departments other than HoDs of Department (by rotation based on inter-se seniority)			
35	Mr. P. V. S. Sobhan	Assoc. Prof., Dept. of EEE, VFSTR	Member
36	Dr. D. Satyanarayana	Professor, Dept. of Mechanical Engineering.	Member
Two Assistant Professors from the Departments (by rotation based on inter-se seniority)			
37	Dr. K. Annapurna	Associate Professor, Dept. of ECE, VFSTR	Member
38	Mr. K. Praveen Kumar	Assistant Professor, Dept. of IT, VFSTR	Member
Three members from amongst educationalists of repute or persons from any other field related to the activities of the Institution Deemed to the University who are not in the service of the institution Deemed to be University, nominated by the Vice-Chancellor.			
39	Dr. Shanthi Swaroop	Chief Technology Officer, Uurmi Systems, Hyderabad	Member
40	Er. D. Rama Krishna	MD, Efftronics, Vijayawada	Member
41	Dr. K. Babu Rao	Director, Navayuga Infotech, Hyderabad	Member
Three Members who are not teachers, co-opted by the Academic Council for their specialized knowledge			
42	Mr. M. S. N. Murthy	Finance Officer, VFSTR	Member
43	Mr. R. Suresh Kumar	Systems Manager, Dept. of IT Services, VFSTR	Member
44	Mr. A. Gouri Shankar	Asst. Registrar, VFSTR	Member
45	Cmdr. Dr. M. S. Raghunathan	Registrar, VFSTR	Member Secretary
46	Dr. P. M. V. Rao	Controller of Examinations, VFSTR	Member Invitee

- **Frequently of the Board Meeting and Academic Advisory Body.**

Board of Management meets four times in a year, Academic council meets three times in an academic year

- **Organizational chart and processes**



- ***Nature and Extent of involvement of Faculty and students in academic affairs/improvements***

The VFSTR is committed to developing excellence in education, training and research. Institutionalized attempts are being made to promote and foster excellence in developing knowledge skills and attitudes in all students and commitment to values in faculty and staff. A special emphasis has been placed on developing an environment highly conducive to building of a solid foundation of knowledge, personality development, confidence building, and pursuit of excellence, self-discipline and enhancement of creativity through motivation and drive, which helps to produce professionals who are well trained for the rigors of professional and social life. All Students are encouraged to make life outside the classroom vibrant and enjoyable by engaging themselves in multiple extracurricular areas. Fun creativity, competition, distinction, establishing relationships with fellow students and others in the community and ultimately enhancing the value of their educational experience, is at the heart of all extracurricular activities.

Guidance: Appointment of eminent educationists, developing network with prestigious Institutes in India to promote the characteristics of an Institution of excellence have been identified and are being used as benchmarks for all activities.

Concept of Faculty Involvement : The faculty focuses on developing and strengthening systems thinking, problem solving, analysis, design, team work, communication skills and preparing students for lifelong learning. The faculty uses innovative techniques, interactive lectures, guided case studies, literature survey, regular lab assignments, project work and critical and creative thinking. As a pedagogical practice starting from first year courses itself, students are required to explore, study, summarize, critique, validate and evaluate classical as well as current research literature published by eminent research publishers. The faculty stresses on learner centric, active and collaborative learning. Labs are used for developing skills to use and apply various general professional competences.

Each Department lays down Departmental visions, objectives and roles in shaping the profile of the graduates. These are discussed, validated and converted in curricula and teaching practice to achieve the desired goals.

Faculty Development Programme(s): VFSTR believes in continuous training and development of its staff and teachers. The faculty is both multi-skilled and field specialized. Each year VFSTR organizes FDPs to impart to its faculty the lessons in professionalism and improving the quality of teaching. The concept of treating students as a customer and caring for them assists the faculty in getting feedback and incorporating necessary improvements.

Faculty Development Programme – Emphasizes on course preparation, lecture, tutorial and laboratory delivery, assessment and obtaining feedback. This is undertaken through specific lectures by senior colleagues, followed up by 'demo sessions' and participation in coordinated work groups. At the end of every program, there is a review session along with interaction with Supervisory Board Members. Symposiums / Interactive Sessions / Seminars / Lectures / Presentations are frequently organized; both in house and by inviting eminent external speakers to improve the quality of knowledge and skills.

Students are encouraged to explore the environment through participation in professional / curricular / co-curricular activities outside the Institute.

System of student mentoring has been put in place. Feedback is analysed at Departmental levels as also during meetings of various forums to imbibe and include new and valid suggestions.

Faculty is encouraged for undertaking R&D projects and do research to upgrade their knowledge. Faculty is supported through financial incentives to attend conferences / presentations / seminars and submit the reports, which are shared in the department for mutual benefit and enhancement of knowledge.

Students have a Youth club called JYC, the sole student body of the college, which believe in furthering the development of the students as a whole, and strive to provide a climate that nurtures the holistic development of our students, an environment that is trusting and spontaneous; and encourages flexibility, celebration and recognition. This is achieved through annual cultural, technical fests, various events, parties, treks, outings and other spontaneous activities to maintain high levels of enthusiasm and team integration. Focusing on technical, literary, sports, and cultural competitive activities, apart from serving as a retreat from intense academic loads, these extracurricular activities presents with an opportunity this builds confidence, encourages teamwork and gives students a strong sense of achievement and belonging. The motto followed by them is "We're looking for commitment and passion for activities outside of the academic setting we're looking for depth rather than breadth."

A system of student feedback on faculty and teaching is in place. The student feedback analysis is considered by the management and appropriate points implemented for further improvement.

- ***Mechanism / Norms & Procedures for Democratic / Good Governance***

The Institute has developed following methods:

- Meeting of Vice Chancellor & HODs once in a fortnight.
- Faculty meeting of the Institute Presided by the Vice Chancellor once in a month to discuss issues of Academics, Administration, feedbacks and suggestions besides reviewing the progress over all points.
- Nomination of students' counsellors. Each faculty has been assigned specific number students for mutual interaction.
- The role of faculty as student mentor is listed below :
 - (i) Act as local guardian of the students and therefore perform all such activities as a local guardian should perform.
 - (ii) Continuously monitor their academic performance including their attendance, marks in quizzes, minor tests, major tests and discipline,
 - (iii) Teach at least one course to such students as far as possible.
 - (iv) Discuss all issues with the students whether personal or official.
 - (v) Be in constant touch with their parents to inform of their progress.
 - (vi) Meet every student at least once every fortnight.
- Direct access of faculty and students to the Vice Chancellor, HODs, Registrar and Administrative Heads. No timings have been laid down. Thus all problems are attended to with due urgency.

Placement Facilities:

Training and Placement is an important activity of the Institute. T&P Cell is mainly responsible for arranging practical training of the Undergraduate students to meet their degree requirement and to facilitate the placements of under graduate & postgraduates' students in suitable jobs in the Industry and various private & public sector organizations. To facilitate placements T&P cell invites senior executives of Major Industries / Organizations to give talks to the students at Campus which helps them acquire better knowledge about the organization prior to campus interviews.

Teaching Learning Process:

It aims to develop a number of qualities in students. These are as follows:

Group & Self-Learning

This is a very effective means towards preparing professionals who are proactive in seeking and acquiring knowledge rather than having it imparted only in the classroom. Free exchange of ideas among the group members through discussions and presentations not only leverages on time and effort but also enhances teaching and communication skills. Aptitude is developed for self-study and use of web resources and data banks to foster life long learning.

Problem Solving Exercises

Problem solving is an integral part of the teaching-learning process. Lectures emphasize this aspect through carefully set, open-ended design problems. Students are organized in small groups where an opportunity is provided to do problem solving, engage in design exercises, and perform information search and processing.

Sustained Disciplined Work

The ability to put in sustained and disciplined hard work over a sufficient length of time is one of the key factors to success in professional life. A typical semester is designed in an intensive and a modular fashion with an emphasis on regular and continuous work. The Evaluation System (see section 3) is designed to encourage this concept.

Self Learning

In its attempt to move away from teacher-centered learning to student-specific learning, the curriculum will actively encourage self learning. For this purpose 15% of the time allotted to theory and tutorial classes will be specifically earmarked for independent study. That is, Self learning time per course = (theory time + tutorial time)*0.15

Flexibility in Pace of Learning

The evaluation system makes special provision for different paces of learning for different students. Yet, it attempts to inculcate respect for deadlines. Thus, while specifying a time limit within which tutorial/practical work must be completed, there is scope to submit such work beyond the deadline. However, there will be a small penalty for late submission. The faculty will notify of the penalty for late submission for each tutorial/practical session and also the time up to which late submissions will be accepted.

Design Orientation

The curriculum is structured so that basic implementation skills and design skills are interwoven together. Thus, for example, a student of Programming Systems learns not only how to program but also how to design programs (The teaching- learning process structures a course in the two levels of implementation and design).

Quality Consciousness

Students should be aware of the importance of continuous improvement, building zero-defect products and doing quality work. All courses will emphasize on quality as an integral part of teaching. Students will be taught how to test and certify their laboratory work and how to evaluate the worth of theoretical results.

Co-operative Working

Given the complexity of technological problems of today, large teams work together to provide solutions. Thus, it is very important to learn group dynamics and to work in teams. Through co-operative work wherever possible, the Institute will encourage students to learn to select good teams, resolve leadership and group issues and in general, to make effective groups.

Highlights of mechanism/ Norms and Procedure for democratic/ good Governance

1. A comprehensive institutional manual defining authority and responsibilities of every position is available.
2. The apex bodies : Board of Management, Finance Committee, Planning and Monitoring, Academic Council Board are constituted with a judicious mix of industry experts, Scientists and academicians from reputed organizations as per the guidelines of the UGC. **Vice-Chancellor is the Chairman for all the apex bodies.**
3. The **Chancellor, Prof. K. Ramamurthy Naidu**, an Eminent educationist served as a **member in UGC** for two terms, and he is not a member of the Trust. Appointment of Vice-Chancellor is done as per UGC guidelines. **Vice-Chancellor, Dr. M Y S Prasad, is a Distinguished Scientist and former Director of ISRO and retired in the grade of Secretary, Government of India.**

4. The University Research Board constitute of eminent expert from industry research organization and academic institution to guide the research activities.
5. All apex bodies meet at regular intervals as per the norms and their recommendations are implemented and reported back in the next meeting.
6. The entire process of administration is decentralized and made transparent. About 20 committees are working to carryout various activities in a **democratic** way.
7. All appointed authorities exercise full autonomy in day-to-day functioning.

Highlights of Good Governance

- Transparency in financial aspects
- Responsiveness
- Consensus Oriented.
- Equity and Inclusiveness.
- Effectiveness and Efficiency.
- Accountability.

• ***Student Feedback on Institutional Governance/ Faculty performance***

1. Alumni Feedback is taken from Alumni for the academic year. The analysis helped the institute in development of curriculum for 'Autonomy'.
2. Feedback about Faculty is taken from students twice a semester. The various parameters on which teaching is assessed are: Communication Skills, Quality of Teaching/ Academic input, Subject Knowledge, Content and Method of Delivery, Resourcefulness, Readiness of teacher, Accessibility and Availability of Teacher in Campus/ Department. Feedback is signed by the Director and conveyed to the faculty by respected Head of the Department. Counselling of faculty having feedback count less than 7(out of 10) is carried out by Head of the Department as well as by the Director for his/ her improvement.
3. An Institute level Parent Teacher meeting is conducted once every semester. During the meeting, parents are made aware about their wards' attendance, academic performance for the semester as well as about the various learning processes conducted in the institute. In academic year 2017-18, Parent Teacher meeting for the first semester was conducted on August12, 2017 and for second semester on February10, 2018. Suggestions given by parents were taken into consideration for further actions. Also this helped in identifying the parents who would help in providing support to the institute in terms of Projects, internship and placement etc.
4. Feedback about Institute is also taken from all students once in a year. This includes the feedback about the facilities and the infrastructure of the institute.
5. Various companies visit the campus of the institute for the placement of the students. Based on this feedback, Guest lectures, workshops, seminars are organized for students to help them to be ready for industry.

• ***Grievance Redressal mechanism for Faculty, staff and students***

For the cases that are not solved through the established processes like recounting and revaluation the students can approach Evaluation Standard Committee for their grievances. The grievances are discussed by the ESC and placed before the DDH for its recommendations.

Some of the major complaints received and redressed during last 5 years:

1. Complaint against question papers: Out of nearly 100 end semester exams conducted for every year, so far complaints about only 2 or 3 question papers were received. As a preventive measure, lead faculty system is established.
2. Complaint against evaluation: Only 1 or 2% of the students have so far complained against the evaluation. A reliable system is in place for recounting and revaluation.
3. Complaint against laboratory examinations: A few complaints were received on laboratory examinations for subjectivity. There is a system for verifying whether the marks are allotted as per the scheme of evaluation.

- **Establishment of Anti Ragging Committee**

The Institute established Anti Ragging Committee in the campus and the committee members as follows:

Sl.No.	Faculty / Student	Designation
1	Dr. N. Veeranjanyulu	Chairman
2	All HoDs	Members
3	Chief Warden (Boys Hostel)	Member
4	Dy. Chief Warden (Girls Hostel)	Member
5	Assistant Registrar	Member
6	Physical Director	Member
7	Vigilance and Security Officer	Member
8	Kundurthi Mani Sai	Student Member
10	K Gagan Chand	Student Member
11	AllaRevanthVenuSai	Student Member
12	MallavarapuTanvenDraSaiNadh	Student Member
13	ItlavalaChaitanya	Student Member

- **Establishment of Online Grievance Redressal Mechanism**

YES

- **Establishment of Grievance Redressal Committee in the Institution and Appointment of OMBUDSMAN by the University**

In order to address issues related to grievances of students as well as the staff, grievance redressal mechanism is in place in accordance with UGC regulations.

Students Grievance redressal committee

The institute has a student grievance redressal committee and grievances are reported to the committee. The constitution of the committee is as below:

Sl.No.	Faculty / Student	Designation
1	Dean, Engineering & Management	Chairman
2	All HoDs	Members
3	Ms.K.V.N.Supriya(171FA04277)	Student Member
4	Mr.D.Rafi (171FA15075)	Student Member
5	Ms.ZuriShaddai(161FA16012)	Student Member
6	Mr.V.Teja(171FA04497)	Student Member
7	Ms.S. Sowmya (161FA14029)	Student Member

The committee actively handled and resolved 11 grievances from students during 2016-17, and 10 grievances during 2017-18. Many of the minor grievances are redressed immediately due to the openness and promptness of all the concerned.

Staff Grievance redressal committee

The institute has a staff grievance redressal committee and grievances are reported to the committee. The constitution of the committee is as below:

Dean, E&M	–	Chairman
Dean, Academics	–	Member
Dean, Student Affairs	–	Member
Chairman, Anti Ragging Committee	–	Member
Convener of Women Empowerment Cell	–	Member
Assistant Registrar	–	Convener

Appointment of OMBUDSMAN:

Mr.KollaBasavaiah, Retired District Judge, has been appointed as Ombudsman of Vignan's Foundation for Science, Technology and Research Deemed to be University, Vadlamudi.

- **Establishment of Internal Complaint Committee (ICC)**

A gender sensitive campus with sound discipline provides a conducive and secure environment for girls. An active Women Empowerment cell which includes an **Internal Complaints Committee** works to make the campus safe and harassment free for the girls. Gender Champions who are elected from students work to ensure gender equality and progress. These special initiatives help girl students to become confident in their interpersonal relationships. With this sensitive environment girls' population has reached to 45% and they fare very well in campus interviews securing a good number of placements in top MNCs.

Sl.No.	Faculty / Student	Designation
1	Dr. N. Usha Rani, Professor, HoD, Dept. of ECE	Chairman
2	Dr. A. Sharada, Professor, Dept. of S&H	Member
3	Dr.K.VenkatRao, Professor, Dept. of Mech. Engg.	Member
4	Dr. K. Hemanth Kumar, Professor of CSE	Member
5	Ms.VasireddyPriyanbandhavi, Secretary, KodaliVeeraiah Educational Academy	Member
6	Mrs. V. Yoga Bharathi, OS, Registrar's Office	Member
7	Mrs. G. Bhanumathi, Sr. Asst, PS to Chairman	Member
8	Ms.KotikalaHimabindu, Research Scholar, ECE, 18FG05003	Student Representatives
9	Mr. D. Pavan Kumar, M.Tech, EEE181FB10003	Student Representatives
10	Ms. P. Lolitha, II MBA, 181FC01070	Student Representatives
11	Mr. K. Prudhviraj, IV CSE 161FA04091	Student Representatives
12	Ms. T. PavanaLaxmi, IV BT, 161FAOLL27	Student Representatives

- **Establishment of Committee for SC/ ST**

VFSTR constituted SC/ST Cell and the following members are the committees:

Sl.No.	Faculty / Student	Designation
1	Dr. T. Pitchaiah, HoD, Dept. of ECE	Chairman
2	Dr. P. Bangaraiah, Professor, Dept. of Chemical Engg.	Member
3	Ms.VaniManda, Asst. Prof., Dept. of S&H	Member
4	Mr. S V Ramakrishna, Asst. Prof. Dept. of CSE	Member
5	Mr. D. Ch. SrinivasaRao, Sr. Accountant	Member
6	Mr. T. DheerajSai, 161FA06036, IV-EEE	Student Member
7	Mr. A. Sai Krishna, 161FA05019, IV-ECE	Student Member
8	Mr. M. Sujay, 161FA04248, IV-CSE	Student Member

- **Internal Quality Assurance Cell**

The Internal Quality Assurance Cell (IQAC) of the institution continuously monitors and reports on the teaching-learning process, evaluation, research and general maintenance systems on the campus, besides undertaking the tasks related to the annual ISO Certification, submission of information to AQAR - NAAC, AICTE, participation in NIRF Ranking and surveys conducted by AISHE, ACU and AIU. All this results in ensuring the quality in Teaching Learning process, Research and Governance.

IQAC Composition

SI.NO.	Name	Designation
1	Dr. M. Y. S. Prasad, Vice-Chancellor	Chairman
2	Dr. M. Ramakrishna, Professor, Dept. of Mech. Engg.	Member
3	Dr. S. Krupanidhi, Professor, Dept. of Biotechnology HoD& Dean, P&M (Management Representative)	Member
4	Mr. Y. KiranBabu, CEO, Egnify Technologies, Hyderabad. (Industry Expert)	Member
5	Dr.MeeraSaheb, Assoc. Prof., Dept. of Mechanical Engineering, University College of Engineering, JNTUK (Academia)	Member
6	Mr. V. Brahmaiah, Parent (Community Representative)	Member
7	Dr. K. Balamurugan, Professor, Mech. Engg. Dept.	Member
8	Dr.SrinivasaDesikan, Professor, S&H	Member
9	Dr. K. SatyaSampath Kumar, Assoc. Prof., Biotechnology	Member
10	Dr. U. Janardhan, Asst. Prof. Dept. of Information Technology	Member
11	Ms. J. Prathibha, Asst. Prof. Dept. of ECE	Member
12	Ms. Y. Jyothi, Asst. Prof. Dept. of Mechanical Engg.	Member
13	Mr. Y. Ramamohan,	Member
14	Ms. P. Vijetha, Asst. Prof., Dept. of Chemical Engg. (Alumni)	Member
15	Ms. B. Anitha Reddy, Asst. Prof. Dept. of Applied Engg.	Member
16	Ms. Ch. Anjani Devi, Asst. Prof. Dept. of Biotechnology	Member
17	Mr.VaseemChawan, Asst. Prof. Dept of Chemical Engg.	Member
18	Mr. P. Padma Rao, Asst. Prof., Civil Engg.	Member
19	Dr. T. P. Latchomi, Assoc. Prof. Dept. of CSE	Member
20	Mr. M. K. C. Rao, Asst. Prof. Dept. of ECE	Member
21	Dr. Y. SrinivasaRao, Asst. Prof. EEE	Member
22	Dr. K. Sujatha, Assit. Prof. Dept of IT	Member
22	Mr. E. Govindarajulu, Asst.Prof. Dept. of Mechanical Engg.	Member
23	Dr. B. SrinivasaRao, Professor, MBA	Member
24	Dr. J. NitchalKiran, Professor, S&H Dept.	Member
25	Mr. V AshishChowdary, IV Year, Mechanical Engg.	Student Member
26	Ms. R. Aamani	Jr. Asst.
27	Mr. B. Ashok Kumar	Office Assistant

VI. Programmes

- **Name of the Programs approved by AICTE**

- UG
 - B.Tech
 - B.Pharmacy
- PG
 - M.Tech
 - MBA
 - MCA

- **Name of the Program Accredited and its details**

AICTE Institution Permanent ID: 1-3714520176

Sr. No.	Level	Course	Duration (Years)	Intake Approved
1	Under Graduate	Agriculture Engineering	4	60
2	Under Graduate	Automobile Engineering	4	60
3	Post Graduate	Masters In Business Management	2	240
4	Under Graduate	Bioinformatics	4	60

5	Under Graduate	Biomedical Engineering	4	60
6	Under Graduate	Biotechnology	4	180
7	Under Graduate	Chemical Engineering	4	60
8	Under Graduate	Civil Engineering	4	60
9	Under Graduate	Computer Science & Engineering	4	540
10	Under Graduate	Electrical and Electronics Engineering	4	60
11	Under Graduate	Electronics and Communications Engineering	4	420
12	Under Graduate	Food Technology	4	120
13	Under Graduate	Information Technology	4	120
14	Under Graduate	Mechanical Engineering	4	120
15	Under Graduate	Petroleum Engineering	4	60
16	Under Graduate	Textile Technology	4	60
17	Under Graduate	Pharmacy	4	60
18	Post Graduate	Master of Computer Applications	3	60
19	Post Graduate	Biotechnology	2	18
20	Post Graduate	Computer Science & Engineering	2	36
21	Post Graduate	Embedded Systems	2	18
22	Post Graduate	VLSI	2	18
23	Post Graduate	Farm Machinery Technology	2	18
24	Post Graduate	Food Processing	2	18
25	Post Graduate	Machine Design	2	18
26	Post Graduate	Power Electronics And Drives	2	18
27	Post Graduate	Structural Engineering	2	36

• **Status of the accreditation of Courses**

Total Number of Courses	Course Accredited	Status of Accreditation
5	0	Applied for SAR and results awaited

• **Admission Procedure**

The following measures have been adopted to ensure transparency in admissions procedure:

- Awareness sessions and dedicated campaigns are conducted for parents and students at community centers of different cities and educational institutions.
- Application forms and information brochure are made available in the university website, Vignan's offices, other educational institutions, and selected Indian bank branches located in AP & Telangana.
- A specially designed entrance test, Vignan's Scholastic Aptitude Test (VSAT) for admission into B.Tech is conducted for all applicants and ranks obtained by them are displayed in the institution website as well as informed to the applicants by post and SMS. Merit in the qualifying examination and entrance test is the prime criterion followed for admissions in the institution.
- The available seats are divided into two categories, category-A (90%) and category-B (10%). Adhering to the national policy, VFSTR Deemed to be University maintains a judicious distribution of seat allotment in two categories where category – A seats are allotted to students who are qualified in VSAT / EAMCET/JEE with minimum 60% aggregate marks in the qualifying examination. Category – B seats are open for candidates who have at least 60% aggregate marks in intermediate or equivalent.
- Vignan's Joint Entrance test (V-JET) for admissions into BBA / BCA.
- GATE, PGECET, VUGATE (entrance test conducted by VFSTR) for admissions into M.Tech,
- CAT/MAT (national level entrance tests) and ICET) for admissions into MBA
- ICET for admissions into MCA
- Category – B seats are filled on merit in the qualifying examination. This procedure is followed for admission into all UG& PG programmes.
- For Ph.D. programme, 100% of the seats are filled in Category-A only based on the combined performance in GATE/CSIR/NET/CAT / entrance test of the institution and technical interview.

- The Admissions Advisory Committee monitors and reviews the admission procedure from time to time and ensures that all admission norms are scrupulously followed in letter and spirit.

With the above measures in practice, institute is widely known among all stakeholders, particularly, among student community. The fact that students belonging to different socio-economic, cultural and educational background have taken admission in the Deemed to be university bears testimony to the highly credible and transparent admission procedure.

- Fees

BRANCH	Tuition Fee (per year) (Rs.)
CIVIL ENGG/CSE / ECE/ EEE / INFORMATION TECHNOLOGY / MECHANICAL ENGG.	2,00,000/-
AGRICULTURAL ENGG / AUTOMOBILE ENGG. / BIOTECHNOLOGY / BIOMEDICAL ENGG. / BIOINFORMATICS / FOOD TECHNOLOGY	1,20,000/-
CHEMICAL ENGG./ PETROLEUM ENGG. / TEXTILE TECHNOLOGY	60,000/-
B.Pharmacy	1,20,000/-
B.B.A	1,00,000/-
B.C.A	60,000/-
B.Sc.	60,000/-
M.Tech	100000/-
M.B.A	1,30,000/-
M.C.A	30,000/-
Ph.D	60,000/-

1. Fee Fixed at Rs.2.0 lakhs for all traditional and conventional courses like CSE, Civil, ECE, EEE, IT and Mechanical Engineering
2. The other courses like Chemical Engineering, Petroleum Engineering and Textile Technology, Biotechnology, Bioinformatics, Biomedical Engineering, Food Technology, Auto mobile and Agricultural Engineering which are unconventional in this region are encouraged by fixing at a lower level in the range of Rs.60,000/- - 1,20,000/-

- Program Details:

Name	AGRICULTURAL ENGINEERING
Number of seats	60
Duration	IV Years
Cut off marks/rank of admission during the last three years	2019-20: VSAT-7140 EAMCET -95846 JEE – 74.45 2018-19 VSAT-10922 EAMCET -55582 2017-18 VSAT-15686 EAMCET –94191 JEE Advance - 142118
Fee	1.2 L
Name	AUTOMOBILE ENGINEERING
Number of seats	60
Duration	IV Years
Cut off marks/rank of admission during the last three years	2019-20: JEE – 62.15 2018-19: VSAT-13454 EAMCET -68943 2017-18

	VSAT-18044 EAMCET -121098
Fee	1.2 L
Name	BIOTECHNOLOGY
Number of seats	180
Duration	IV Years
Cut off marks/rank of admission during the last three years	2019-20: VSAT-8642 EAMCET -160765 2018-19: VSAT-10132 EAMCET -55508 2017-18 VSAT-16703 EAMCET -77288
Fee	1.2 L
Name	BIOMEDICAL ENGINEERING
Number of seats	60
Duration	IV Years
Cut off marks/rank of admission during the last three years	2019-20 VSAT-3999 EAMCET -47495 2018-19: VSAT-8245 EAMCET -43604 2017-18 VSAT-9926 EAMCET -48736
Fee	1.2 L
Name	BIOINFORMATICS
Number of seats	60
Duration	IV Years
Cut off marks/rank of admission during the last three years	2019-20 VSAT-8018 EAMCET -115241 2018-19: VSAT-8267 EAMCET -49962 2017-18 VSAT-13457 EAMCET -45684
Fee	1.2 L
Name	CHEMICAL ENGINEERING
Number of seats	60
Duration	IV Years
Cut off marks/rank of admission during the last three years	2019-20 VSAT-12585 EAMCET -116839 JEE - 47.45 2018-19: VSAT-10867 EAMCET -79430 2017-18 VSAT-8234 EAMCET -88149
Fee	0.6 L
Name	CIVIL ENGINEERING
Number of seats	60
Duration	IV Years
Cut off marks/rank of admission during the last three years	2019-20 EAMCET -106080 JEE - 56.63

	2018-19: VSAT-11762 EAMCET -15596 2017-18 VSAT-17284 EAMCET -88352
Fee	2.0 L
Name	COMPUTER SCIENCE ENGINEERING
Number of seats	540
Duration	IV Years
Cut off marks/rank of admission during the last three years	2019-20 VSAT-7303 EAMCET -111510 JEE - 40.70 2018-19: VSAT-10255 EAMCET -66256 JEE - 47 Marks 2017-18 VSAT-15887 EAMCET -65805 JEE - 67 Marks
Fee	2.0 L
Name	ELECTRONICS AND COMMUNICATION ENGINEERING
Number of seats	420
Duration	IV Years
Cut off marks/rank of admission during the last three years	2019-20 VSAT-7885 EAMCET -118619 JEE - 44.83 2018-19: VSAT-10289 EAMCET -90000 2017-18 VSAT-15127 EAMCET -67854 JEE - 85 Marks
Fee	2.0 L
Name	ELECTRICAL AND ELECTRONICS ENGINEERING
Number of seats	60
Duration	IV Years
Cut off marks/rank of admission during the last three years	2019-20 EAMCET -112734 JEE - 82.05 2018-19: VSAT-10437 EAMCET -52405 2017-18 VSAT-14772 EAMCET -92207
Fee	2.0 L
Name	FOOD TECHNOLOGY
Number of seats	120
Duration	IV Years
Cut off marks/rank of admission during the last three years	2019-20 VSAT-9054 EAMCET -104969 2018-19: VSAT-10204 EAMCET -55879 2017-18 VSAT-16577 EAMCET -86624

Fee	1.2 L
Name	INFORMATION TECHNOLOGY
Number of seats	120
Duration	IV Years
Cut off marks/rank of admission during the last three years	2019-20 VSAT-8701 EAMCET –115917 JEE – 47 2018-19: VSAT-13576 EAMCET –113568 2017-18 VSAT-18039 EAMCET –97610
Fee	2.0 L
Name	MECHANICAL ENGINEERING
Number of seats	120
Duration	IV Years
Cut off marks/rank of admission during the last three years	2019-20 VSAT-9322 EAMCET –119016 JEE – 46 2018-19: VSAT-10379 EAMCET –101624 2017-18 VSAT-18477 EAMCET –97445
Fee	2.0 L
Name	PETROLEUM ENGINEERING
Number of seats	60
Duration	IV Years
Cut off marks/rank of admission during the last three years	2019-20 VSAT-4377 EAMCET –90071 JEE – 73.73 2018-19: VSAT-9531 2017-18 VSAT-12115 EAMCET –77196 JEE – -
Fee	0.6 L
Name	TEXTILE TECHNOLOGY
Number of seats	60
Duration	IV Years
Cut off marks/rank of admission during the last three years	2019-20 VSAT-3962 EAMCET –115314 JEE – 79.95 2018-19: VSAT-12935 EAMCET –111420 2017-18 VSAT-16106
Fee	0.6 L
Name	BIOTECHNOLOGY
Number of seats	18
Duration	II Years
Cut off marks/rank of admission during the last three years	2019-20 VUGATE – 15 Marks 2018-19:

	VUGATE – 13 Marks 2017-18 VUGATE -14 Marks
Fee	1.0 L
Name	COMPUTER SCIENCE AND ENGINEERING
Number of seats	36
Duration	II Years
Cut off marks/rank of admission during the last three years	2019-20 VUGATE – 16 Marks 2018-19: VUGATE – 12 PGE CET - 2847 2017-18 VUGATE -14 PGE CET - 2601
Fee	1.0 L
Name	EMBEDDED SYSTEMS
Number of seats	18
Duration	II Years
Cut off marks/rank of admission during the last three years	2019-20 VUGATE – 18 Marks PGE CET - 2094 2018-19: VUGATE – 12 PGE CET - 3785 2017-18 VUGATE -15 PGE CET - 3800
Fee	1.0 L
Name	FARM MACHINERY
Number of seats	18
Duration	II Years
Cut off marks/rank of admission during the last three years	2019-20 GATE - 494 2018-19: PGE CET - 76
Fee	1.0 L
Name	FOOD TECHNOLOGY
Number of seats	18
Duration	II Years
Cut off marks/rank of admission during the last three years	2019-20 VUGATE – 14 Marks 2018-19: PGE CET - 44 2017-18 VUGATE -13
Fee	1.0 L
Name	MACHINE DESIGN
Number of seats	18
Duration	II Years
Cut off marks/rank of admission during the last three years	2019-20 VUGATE – 20 Marks 2018-19: PGE CET – 3305 GATE – 50701 2017-18 VUGATE -13 PGE CET - 1261
Fee	1.0 L
Name	POWER ELECTRONICS AND DRIVES
Number of seats	18

Duration	II Years
Cut off marks/rank of admission during the last three years	2019-20 VUGATE – 14 Marks PGE CET - 1185 2018-19: PGE CET - 1253 2017-18 PGE CET - 755
Fee	1.0 L
Name	STRUCTURAL ENGINEERING
Number of seats	36
Duration	II Years
Cut off marks/rank of admission during the last three years	2019-20 PGE CET – 4048 GATE - 18881 2018-19: VUGATE – 14 PGE CET - 4836 2017-18 VUGATE -15 PGE CET - 5606
Fee	1.0 L
Name	VERY LARGE SCALE INTEGRATION (VLSI)
Number of seats	18
Duration	II Years
Cut off marks/rank of admission during the last three years	2019-20 VUGATE – 16 Marks GATE - 13147 2018-19: VUGATE – 14 PGE CET – 3525 GATE- 16124 2017-18 VUGATE -15 PGE CET - 3231
Fee	1.0 L
Name	MASTER OF BUSINESS ADMINISTRATION
Number of seats	240
Duration	II Years
Cut off marks/rank of admission during the last three years	2019-20 ICET- 41339 2018-19: ICET- 37617 2017-18 ICET- 511921
Fee	1.3 L
Name	MASTER OF COMPUTER APPLICATIONS
Number of seats	60
Duration	III Years
Cut off marks/rank of admission during the last three years	2019-20 ICET- - 2018-19: ICET- 41161 2017-18 ICET- 46613
Fee	0.3 L
Fee	1. Fee Fixed at Rs.2.0 lakhs for all traditional and conventional courses like CSE, Civil, ECE, EEE, IT and Mechanical Engineering 2. The other courses like Chemical Engineering, Petroleum Engineering and Textile Technology, Biotechnology, Bioinformatics, Biomedical Engineering, Food Technology, Auto mobile and

	Agricultural Engineering which are unconventional in this region are encouraged by fixing at a lower level in the range of Rs.60,000/- - 1,20,000/-
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- **Placement Details**

S.No.	Year	Min. Salary	Max. Salary	Avg. Salary
1	2016-17	120000	480000	350000
2	2017-18	140000	520000	385000
3	2018-19	180000	700000	420000

VII. Faculty Information

Name of the Department	Ph.Ds	Prof.	Assoc.	Asst.	Total	FSR
Biotechnology	28	6	10	20	36	1:18
Computer Science and Engineering	22	4	12	70	86	1:23
Electronics and Communication Engineering	25	10	10	55	75	1:22
Electrical and Electronics Engineering	4	1	3	12	16	1:12
Mechanical Engineering	11	7	2	17	26	1:12
Science & Humanities	62	11	21	78	110	1:21
Applied Engineering	4	1	0	23	24	1:19
Chemical Engineering	11	5	1	32	38	1:19
Civil Engineering	4	2	2	14	18	1:19
Information Technology	3	3	1	14	18	1:19
Management Studies	31	10	11	32	53	1:19
Pharmacy	2	0	2	7	9	1:19
Total	207	60	75	374	509	1:18

VIII. Profile of Vice-Chancellor/ Director/ Principal/ Faculty

Detailed Bio-data of Dr. MYS Prasad,

Former Distinguished Scientist(APEX) – ISRO & Padmashree Awardee, Former Director, SDSC SHAR

Date of Birth : 04-05-1953

Date of Joining ISRO : 08-05-1975

Education Qualifications : Bachelor of Engineering (Electronics & Communications) in 1974 from Govt. College of Engineering, Kakinada–A.P.
Ph.D. in “Investigations into the interference problems in the Satellite Communications with special reference to GSO” from BITS Pilani in November 2004.

Worked in : VSSC, Trivandrum (1975 - 1994),
ITLU, Paris (1994 - 1997),
MCF, Hassan (1998 - 2005),
SAC, Ahmedabad (2005 - 2008),
DECU, Ahmedabad (2006 - 2008), and
SDSC SHAR, Sriharikota (March 2008 – May 2015).

1. Last Official Assignment :

Worked as Director, SDSC SHAR, Sriharikota of ISRO from 01-01-2013, and superannuated on 31st May 2015.

Joined SDSC SHAR as Associate Director In charge of Range Operations, Liquid Propellant Storage & Service Facilities, and Launch Complexes in March 2008. Promoted to the grade of Outstanding Scientist with effect from 31st July 2008, to the grade of Distinguished Scientist from 21st October

2011, and to the grade of Distinguished Scientist APEX (equal to the Secretary Govt. of India) from 1st May 2013.

2. Special Contributions/ Achievements made so far :

At VSSC (1975-1998)

- Planned and Designed EMI/EMC Test Facility at VSSC. Introduced EMC Design Practices, EMI Testing requirements, and Protection of special circuits from EMI in the Avionics Packages of SLV-3. These contributions resulted in successful functioning of Avionics Systems of SLV-3.
- Introduced Design Reviews, Failure Analysis, Component Log Books, and Quick Look Data Analysis Methodology for SLV-3 - These practices are still being followed for all Launch Vehicle Projects.
- Planned the Ground Stations for Telemetry, Tracking & Command Systems for Launch Vehicles at SHAR. Detailed studies carried out for Onboard – Ground Compatibility, Flame Attenuation Effects, and Inter-modulation problems contributed to the successful performance of ground network in SLV-3 Launches.
- Planned all new Avionics Systems and Packages for ASLV – S Band TTC, Onboard Computers (OBC), Digital Autopilot, Inertial Platform Based Navigation System, and Closed-Loop-Guidance in ASLV Launch Vehicle in the capacity of Manager – Avionics Systems.
- Designed and implemented successfully the flight sequencing configuration using Prime and Redundant onboard computers in ASLV – this basic configuration is still being followed for all the Launch Vehicles.
- Contributed significantly in the Failure Analysis of ASLV-D1 & D2 Launches, and worked on the solutions to make ASLV-D3 successful.
- Designed and implemented successfully Real Time Decision (RTD) in flight sequencing from configuration to usage-in-flight in ASLV. This is one of the solutions which made ASLV Flights successful after the earlier two failures. The RTD scheme is being used in all current Launch Vehicles.

At ITLU, PARIS (1994-1997)

- Worked as Counsellor (Space) in Embassy of India Paris from 1994 to 1997, and interfaced with all the Space Agencies and leading Aerospace Industries of Europe for ISRO's Programmes.
- Networked with a number of Aerospace Professionals of European and Other Countries for the benefit of ISRO.

At MCF (1998-2005)

- Worked as Director of Master Control Facility (MCF) from 1998 to 2005. Nine Communication Satellite Missions were carried out and all the Orbit raising and on-Orbit operations were successfully carried out under my direction.
- A number of On-Orbit Satellites Emergencies were handled and critical satellite services were maintained. The On-Orbit Management of INSAT-2E was one of the most challenging tasks handled – and the Satellite gave full-life service even after many crippling failures, due to actions taken at MCF under my Guidance.
- The facilities at MCF Hassan were extensively augmented to simultaneously control and manage 20 satellites (from the previous 3 satellite capability).
- A new Master Control Facility was established at Bhopal at a cost of Rs.50 Crore in a record time of 15 months from land acquisition to commissioning of the Facility. MCF – Bhopal can control upto 20 GSO Satellites.

At SAC & DECU (2005-Mar 2008)

- Worked as Director of Development & Educational Communication Unit (DECU) for one year. All the facilities, and programmes are given a new overall direction. More than ten detailed technical programmes, and more than 100 curriculum-based educational programmes were produced by DECU during this period.
- Worked as Deputy Director at Space Applications Centre (SAC) responsible for SATCOM & IT Applications Area from October 2005 to March 2008. The Ka Band Payload of GSAT-4, the Ground systems, and the fishermen distress alert system were developed under my leadership.
- As Project Director of Disaster Management Communication System, established a Satellite based Communication Network to connect all the Organisations which monitor / forecast the Disasters, all State Capitals, and top level National Executives (like PM, Home Ministry, NDMA etc.) to support Disaster Management activities. The Hub of this Network is located at New Delhi.
- Established Satellite based communication link between Maitri Station of Antarctica and NCAOR of Goa for continuous video, audio and data links. This system is successfully

working for the last five years providing much needed services to the Indian Expedition teams at Antarctica.

In UN (1995-2006)

- Represented ISRO and India in the United Nations Committee on Peaceful Uses of Outer Space (UN-COPUOS) and its S&T Sub-Committee for eleven years from 1995 till 2006. Worked in finalising the Agenda of UNISPACE-III and Vienna Declaration of UNISPACE-III.
- Worked as member of the Working Group of COPUOS, which evolved "Space Debris Mitigation Guidelines". Upheld the interests of India and Developing Countries during tough negotiations with the Developed Countries to evolve Debris Mitigation Guidelines acceptable to all. These Guidelines were adopted by UN General Assembly in December 2007.

In SDSC SHAR (Mar 2008-May 2015)

- Worked as Range Operations Director for PSLV-C9/ CARTOSAT-2A Mission, PSLV-C11/ Chandrayaan-I Mission, PSLV-C12/RISAT Mission, and PSLV-C14/ OCEANSAT-2 Mission. The Launch Campaign, Countdown and Launch Operations were carried out smoothly.
- Handled the leak of PS2 Oxidizer during Propellant filling operation in Count Down phase of PSLV-C11. Successfully managed and directed the Teams on repairs at Launchpad and completion of Propellant servicing.
- Handled the emergency during the count down of PSLV-C12 Launch caused by the unintended disconnection of main Umbilical.
- Worked as Range Operations Director for GSLV-D3 / GSAT-4 Mission, and GSLV-F06 / GSAT-5P Mission. The Launch Campaign, Vehicle Assembly, Count Down and Launch Operations were carried out smoothly.
- Contributed significantly for the Failure Analysis of GSLV-D3 AND GSLV-F06 Launches using Ground and On-board System data, and photography data from the Range.
- Overseen the preparations of all PSLV Launches from PSLV-C15/ Cartosat-2B Mission onwards. The Launch Campaign, Vehicle Assembly, Count Down and Launch Operations were carried out smoothly. Reviewed and Guided all the Technical Teams of SDSC SHAR from all Entities towards readiness for the Launch Missions, along with FRR & MRR Reviews.
- Guided the SHAR Meteorology Team and Inter-Centre Weather Forecasting Team during the Launches with clear and focused approach, and with satisfactory results.
- Worked as Deputy Director, LSSF and controlled LSSF Team for all technical and administrative activities during this period. The capital equipments worth Rs. 40 to 45 crores on an average every year are procured for augmentation and replacement in the Facilities.
- The Earth Storable Propellant Bulk Storage Facility is completed and commissioned. Organised the regular operations of the Facility. This facility stores the Liquid Propellants sufficient for servicing 2 GSLV and 4 PSLV Launches.
- Directed and Organised the trial propellant filling of indigenous Cryo stage CUS, and organised the modifications in the ground systems required for Cryo propellants servicing of Flight Stages.
- Guided a large number of augmentations of LSSF facilities for GSLV MkIII, and most of them are completed during this period.
- Reviewed and guided the work to realise 15 KL LH2 storage tank indigenously with joint R&D by LSSF and INOX Ltd Baroda.
- Formulated a clear strategy for contamination control with execution and review Teams. This resulted in sustained clean and contaminant-free operations.
- Worked as Chairman of Inter Centre Committee on Lightning Protection for the critical facilities at SHAR. Formulated strategy for standing lightning protection activity.
- Directed RO Team in planning the systems for New MCC. Guided the Team in realizing and equipping new MCC building with all necessary instrumentation, networks, and consoles. The Systems in MCC were realised at a cost of Rs. 530 lakhs.
- Guided the realisation of the Acoustic Suppression System at SLP – consisting of Civil works (Overhead Tank, Trenches, Special supports etc.) & Water Injection Sub-system (piping, piping lay out, valves, nozzles and computerized control system). System will be commissioned in by October 2012.
- Guided SHAR Team in the study, proposal, and preliminary design of the Multi Object Tracking Radar (MOTR). The efforts resulted in excellent work packages for all the Teams.

The configuration of Antenna, back up structure, T/R Modules, Data Processing System, and RADOME are finalised.

- Guided and Directed the Work Progress of MOTR Project including Preliminary Design Review, Realisation of TR Modules, and procurement of 200 TR Modules for Phase-1 of the Project activity. Guided the Team in preparing the final Project Report.
- Overseen and guided the teams in the installation and commissioning of MOTR, which was completed in May 2015, thus taking SDSC SHAR to the position of one of five Companies having the technology and capabilities of Phased Array Radars.
- Reviewed and guided the Teams to finalise the lay out and overall configuration of Third Launchpad. Guided the VAST Team to finalise the configuration of Second VAB and in the preparation of Project Report.
- Guided the Teams and Overviewed the Trial Propellant Filling Operations, and Decontamination Operations into the L110 Stage of GSLV MkIII. The Operations involved filling and draining of approximately 300 Tonnes of hazardous Liquid Propellants. All Operations, stretching over two months time, met all the objectives.
- Proposed, planned and realised cellular mobile connectivity to SDSC SHAR (in 2008) without compromising safety of the launch activities.
- Worked as Director SDSC-SHAR , a Centre with 2200 employees and Rs 500 Cr annual budget. Contributed to the Management of SDSC SHAR for regular activities, Launch related activities, and special activities like VVIP visits.
- Handled biggest crisis of a large propellant leakage in GSLV D5 on Launch Pad in Aug 2013, and saved the launch vehicle and the launch-pad .
- Worked as Chairman of Launch Authorization Board (LAB) for all Launches in 2013 & 2014, and decided & guided the teams on many complex issues.
- Guided the teams in the installation and commissioning of MOTR Radar successfully.
- Worked on the domestic Space Law, and chaired the Space Law Committee of ISRO. The revised draft Law document was prepared by May 2015.
- Worked in ISRO Level Committees for Departmental Promotions, and for Recruitment of Fresh Engineers. Worked in Committees at SDSC SHAR to guide and direct technical and administrative activities.

3. Recognition and Awards

- Kannada Rajyotsava award in the field of Science, 2001.
- ISRO Merit award for in Orbit Management of Geo-stationary Satellites 2007.
- ISRO Team Excellence award for Operations of INSTE-2E, 2007.
- ISRO Team Excellence award as the Leader of the team for Satellite based Disaster Warning and Communication Systems, 2009.
- ISRO Team Excellence award for EDUSAT Utilisation Programme, 2009.
- ISRO Team Excellence award 2009 as Team Leader Innovative Systems in Launch Complex and Range Operations.
- ISRO Team Excellence award as Team Leader for Development of Innovative Launch Facilities, 2011.
- "Professor Nayudamma" Award for 2013.
- 'Lifetime Achievement' Award in Space Technologies by ArunaiEngineeringCollege, Tamilnadu.
- Honorary Doctorate from Jawaharlal Nehru Technological University, Kakinada in 2013.
- Govt. of India announced Civilian Award **Padmasri** for the year 2014
- Honorary Doctorate from VignanUniversity , Guntur ,AP in 2014.
- "**Vikram Sarabhai Memorial Award 2014–15** by the Indian Science Congress Association.
- ISRO announced Outstanding Performance Award for 2012, in Aug 2015.
- Enrolled in the Institution of Electronics & Telecommunication Engineers (IETE) as Fellow and Honoured with Diamond Jubilee Medal – 2014 for outstanding contribution in the field of Electronics, Communication, IT.
- International Academy of Astronautics (IAA) Laurels for Team Award-2013 for key role in Chandrayaan-I Mission.
- Selected and elected as the Member of International Institute of Space Law (IISL) with Headquarters in Paris.

- Member of the Governing Body of Pragati Engineering College, Surampalem, EG Dist. A.P.

4. Association with National / International Bodies and International Standing

- Worked as the Organising Secretary of the International Astronautical Congress 2007 held in Hyderabad. The planning and the preparatory works were carried out during 2004 to 2007, and the Congress had been a great success.
- Got elected as Full Member of Engineering Section of prestigious International Academy of Astronautics (IAA) during 2008.
- Got elected as Vice President of IAF for two Terms during 2006- 2008, and 2008-2010.
- Worked as Regional Secretary of the IAA for India. Got many Senior Engineers and Scientists of ISRO elected as new Corresponding Members of IAA.
- Worked as Co-Chairman for Low Cost Planetary Missions Conference (LCPM8). Organised IAA International Conference on Low Cost Planetary Missions – LCPM 8 – in Goa during September'09. Worked as Member of International Programme Committee (IPC) for the Conference.
- Participated in and contributed to the IAF Bureau, IAA Commissions, and Scientific Activities Committee of IAA.
- Worked as Member of IIST R&D Board.
- Worked as Member of ECIL Research Council.
- Worked as Member of ISRO – University of Pune Joint Research Policy Committee.

5. Publications

1. "Development of Space Debris Mitigation Guidelines : Developing Countries' Perspective" presented in International Conference on Contemporary Space Law Issues : A Focus on the Asia Pacific Region, in NALSAR, Hyderabad, Author.
2. "Extended Range Tropical Cyclone Predictions for East Coast of India" in Second WMO International Conference on Indian Ocean Tropical Cyclones and Climate Change, Feb'2012, New Delhi, Co-Author.
3. "Requirements of Indian Space Research Organisation for a Multi Object Tracking Radar" in IAC 2010 at Prague, Lead Author.
4. "SatishDhawan Space Centre – A Space Port for Multi Mission Launch Capabilities" in IAC 2010 at Prague, Co-Author.
5. "Space Mission Planning and Operations", Current Science, Vol. 93, Number 12, Dec 2009, Lead Author.
6. "Strategies for Cost Reduction in Space Missions" in the 8th IAA International Conference on Low Cost Planetary Missions, September 09, Goa-India, Lead Author.
7. "Weaponisation of Outer Space and Impact on Peaceful Uses" IAC 2008, Co-Author.
8. "Satcom Link between Indian Station at Antarctica and Main Land India", IAC 2008, Co-Author.
9. "Common but Differentiated Responsibility – A Principle to maintain Space Environment with respect to Space debris", IAC-2007, Lead author along with Rajeev Lochan.
10. "Strategic, Technological and Ethical Aspects of Establishing Colonies on Moon and Mars", IAC-2007, Co-Author.
11. "Correlation of GSO Satellite Anomalies with Space Weather Data", IAC-2007, Co-Author.
12. "Satellite-based Communication Networks for Disaster Management Support (DMS)", IAC-2007, Co-Author.
13. "Master Control Facility, Bhopal – Second Facility for ISRO GSO Satellites", IAC-2007, Co-Author.
14. "Relativistic Electron flux decrease at Geostationary orbit during shock events of 2005 and their relationship to Satellite health Parameters", COSPAR 2006, July 16-23, 2006, Beijing, India, Co-author.
15. "Magnetic Cloud Events during 2005 and their GEO EFFECTIVENESS", ILWS WORKSHOP ON THE Solar Influence on the Heliosphere and Earth's Environment: Recent Progress and Prospects, February 19-24, 2006 India. Co-Author.
16. "Technical and Legal Issues surrounding space debris – India's position in the UN" – Published in 'Space Policy', Vol. 21, Issue IV, November 2005, Author.
17. "Space-Based Telecommunications including Tele-Education & Telemedicine – Implications to the Area of Space Law" lead discussion paper in the IISL Space Law Conference 2005, Bangalore-India, Author.
18. "Interference in Satellite Communications", Proceedings of Symposium on Emerging Trends in Electronics – ELECTEO-2005, February 3-5, 2005, Institute of Technology-Banaras Hindu University & IETE-Varanasi Sub-Center, Varanasi, India, Author.

19. "Technical and Legal Aspects of Space Debris – India's Position in UN", 2nd International Conference of The Indian Society of International Law, 14-17 November 2004, New Delhi.
20. "Sources of Interference into INSAT System", Proceedings of Two-Day National Workshop on Interference in Satellite Communications, January 8-9, 2004, Hassan, India.
21. "In-orbit Testing of Satellite Communication Payloads", IETE Technical Review, Vol. 20, No. 5, September-October 2003, Co-author.
22. "Strategies and Policies for Space – Indian Perspective", IAC-02-IAA.3.P.03, Co-Author, IAC 2002.
23. "Indian Space Endeavours – An Historical Perspective", Paper No. IAA-00-IAA2.3.02, Co-Author, IAC 2000.
24. "INSAT Master Control Facility (MCF) – Current Capabilities & Prospects", Paper No. IAF-99-U-4.02, Co-Author, IAC 1999.
25. "Soviet Rockets Must Conquer Space" – Contributions of S. P. Korolev to the Soviet Space Research – Published in Current Science, Vol. 76, No.1, 10th January 1999 (Lead Author).
26. Unlimited Space Ahead – A Strategy Plan for ISRO – Confidential Document April 1998 (Lead Author).
27. ISRO/India's Policy with respect to United Nations' Committee on the Peaceful Uses of Outer Space (UN-COPUOS) – Restricted Document – February 1997 (Lead Author).
28. The Role of ESA and International Cooperation – The View of Indian Space Research Organisation (ISRO) (Lead Author).
29. "EMC considerations in ASLV-AVIONICS" – Lead Author.
30. "Electronics Systems for ASLV" – Published in the proceedings of Workshop on ASLV D-4 & Beyond (Co-author).
31. Navigation, Guidance, Control and Flight Sequencing System for ASLV – Published in the proceedings of Workshop on ASLV D-4 & Beyond, Co-author.
32. "Electromagnetic Compatibility Prediction & Analysis Program for Launch Vehicle Communication System" – Technical Note (ISRO-VSSC-TN-12-80) – May 1980 (Lead Author). Technical Reports prepared during the entire service run into a large number. Hence, notlisted here.

6. Public Outreach Programmes

A number of Technical Presentations and Lectures were delivered in the Engineering Colleges, Universities, ISRO Centres and other Fora on many Technical subjects, Space Missions and popularization of ISRO's work. Taught M.Tech.Students in the subject of Satellite Communications.

Progress in DOS/ISRO

Designation	Designation Attain Date	Grade Attain Date	Mode of Change	Scale Of Pay
DISTINGUISHED SCIENTIST	21/10/2011	01/05/2013	PROMOTION	80000-80000
DISTINGUISHED SCIENTIST	21/10/2011	21/10/2011	PROMOTION	75500-80000
OUTSTANDING SCIENTIST	31/07/2008	31/07/2008	REVISED SCALE	67000-79000
OUTSTANDING SCIENTIST	31/07/2008	31/07/2008	PROMOTION	22400-525-24500
SCI./ENG.-H	01/07/2005	01/07/2005	PROMOTION	18400-500- 22400
SCI./ENG.-G	01/01/2002	01/01/2002	PROMOTION	18400-500-22400
SCI./ENG.-SG	01/01/1997	01/01/1997	PROMOTION	16400-450-20000
SCI./ENG.-SF	01/01/1991	01/01/1991	PROMOTION	4500-150-5700
SCI./ENG.-SE	01/01/1987	01/01/1987	PROMOTION	1500-60-1800-100-2000
SCI./ENG.-SD	01/01/1983	01/01/1983	PROMOTION	1100-50-1600
SCI./ENG.-SC	01/04/1979	01/04/1979	PROMOTION	700-40-800-EB-40-1100-50-1300
SCI./ENG.-SB	01/01/1976	01/01/1976	PLACEMENT	650-30-740-35-850-EB-40-960
TECHNICAL ASST.-C	08/05/1975	08/05/1975	INITIAL APPOINTMENT	550-25-750-EB-30-900

IX. Fee

Not Applicable

X. Admissions

- Number of seats sanctioned with the year of approval
Sanctioned seats UG- 2100 and PG -498 for A:Y 2019-20
- Number of Students admitted under various categories each year in the last three years

2019-20:

VSAT	- 73
EAMCET	- 494
JEE	- 352
Based on +2	- 402
DASA	- 12
Management Quota	- 30

2018-19:

VSAT	- 217
EAMCET	- 400
JEE	- 16
Based on +2	- 606
DASA	- 9
Management Quota	- 46

2017-18:

VSAT	– 460
EAMCET	– 350
JEE	– 33
Based on +2	– 573
DASA	– 4
Management Quota	– 83

- Number of applications received during last two years for admission under Management Quota and number admitted

2019-20 – 30 applications / 30 admitted
2018-19 – 46 applications / 46 admitted

- Number of applications received for two years

<https://vignan.ac.in/igac/Applications%20List%202018-19,%202019-20.xlsx>

XI. Admission Procedure

- Mention the admission test being followed, name and address of the Test Agency and its URL (website)

Name: Vignan's Scholastic Aptitude Test (V-SAT),
Agency Name: VFSTR
URL: www.vignan.ac.in (in Local IP)

- Number of seats allotted to different Test Qualified candidate separately (AIEEE/ CET (State conducted test/ University tests/ CMAT/ GPAT)/ Association conducted test)

- In each branch 60% of the seats are alloed for VSAT rankers, 20% of the seats to Inter merit/EAMCET rankers, 10% to JEE(mains)/ (Adv) rankers and remaining 10% will be allocated in category B.
- Relaxation on in cut off percentage up to 10 % subject to minimum eligibility requirements and reservation of one seat in merit quota for the wards of Kashmir migrants as per the direction of MHRD, Govt. of India
- There is no relaxation on any criteria specified, whether it is in passing of the exams or graduating a course. The candidates admitted through the reservation policy subjected to the same criteria as the general candidates in terms of fee structure and graduation policy.

- Calendar for admission against Management/vacant seats:
May & June

- Last date of request for applications and last date of submission of applications
05th April

- Dates for announcing final results
Last week of April

- Release of admission list (main list and waiting list shall be announced on the same day)
YES

- Last date for closing of admission
Last week of August

- Starting of the Academic session
2nd Week of June

- The policy of refund of the Fee, in case of withdrawal, shall be clearly notified
 - a. Admission fee is non-refundable, once student is provisionally admitted.

- b. Prior to closing of admissions and after commencement of class work, tuition fee is refundable with proportionate deduction of monthly fee.
- c. After 30 days of closing of admissions fee paid is not refundable.

XII. Criteria and Weightages for Admission

- Describe each criterion with its respective weightages i.e. Admission Test, marks in qualifying examination etc.

EAMCET Rank – Below 100000
 VSAT Rank – Below 8900
 JEE Mains – 40 Percentile

- Mention the minimum Level of acceptance, if any

EAMCET – Qualifying Rank and 60% above in +2
 VSAT Rank - Qualifying Rank and 60% above in +2
 JEE Mains – Qualifying Marks and 60% above in +2

- Mention the cut-off Levels of percentage and percentile score of the candidates in the admission test for the last three years

2019-20:
 VSAT – 12585
 EAMCET – 160765
 JEE – 40.7 percentile

2018-19:
 VSAT – 13576
 EAMCET – 113568
 JEE – 47 Marks

2017-18:-
 VSAT – 18477
 EAMCET – 121098
 JEE – 55 Marks

- Display marks scored in Test etc. and in aggregate for all candidates who were admitted

YES

XIII. List of Applicants

- List of candidate whose applications have been received along with percentile/percentage score for each of the qualifying examination in separate categories for open seats. List of candidate who have applied along with percentage and percentile score for Management quota seats

XIV. Results of Admission Under Management seats/Vacant seats

- Composition of selection team for admission under Management Quota with the brief profile of members (This information be made available in the public domain after the admission process is over)
- Score of the individual candidate admitted arranged in order or merit
- List of candidate who have been offered admission
- Waiting list of the candidate in order of merit to be operative from the last date of joining of the first list candidate
- List of the candidate who joined within the date, vacancy position in each category before operation of waiting list

XV. Information of Infrastructure and Other Resources Available

	Availability	Size
Class Rooms	127	Average area of each class room is 89.53 sq.m as against 66 sq.m.

Tutorial Rooms	36	Average area of 33 sq.m
Laboratories	112	Average area of 104 sq.m
Centre of Excellence	04	Average area of 78 sq.m
Skill development labs	08	Average area of 78 sq.m
Seminar halls	11	Average area of 132 sq.m

- Barrier Free Environment
- Occupancy Certificate
- Fire Safety Certificate
- Hostel Facility

- Library
 - a) Titles : 26927
 - b) Volumes : 80437
 - c) e-Books : 2232
 - d) e-Journals : 6748
 - e) Magazines & Journals : 261
 - f) Journals : 1731
 - g) Research carrels : 56
 - h) Digital Library : 60 computers

- Lab facility

Laboratory Details – Department Wise

Major Equipment

Department of Applied Engineering

S.No	Name of the Laboratory	Major Equipment
1.	Crop Processing And Drying Storage Lab	1. AXIS BTS Moisture Analyser, 2. Tray Dryer, 3. Multi Mill GMP Model, 4. Rice Husker,
2.	Farm Machinery Lab	SWARAJ 855 FE Tractor , 2. Two furrow reversible MB plough (Hydraulic operated), 3. Two furrow Disc
3.	Farm Power And Renewable Energy Resources Lab	Tractor (MF 35) SRACHI Power tiller,
4.	Irrigation Engineering Lab	Double Ring Infiltrometer, 2. Cup type Current Meter (Velocity Flow Measurement), 3. Rain Gauge Self
5.	Automotive Chassis And Transmission Lab	Computerised Two Wheeler Chassis Dynamometer Make: GWI, 2. Exhaust gas Analyser
6.	Autotronics Lab	Demonstration of dash board panel controls, ECU diagnostic system, VignanViranchi Electric vehicle

Department of Biotechnology

S.No	Name of the Laboratory	Major Equipment
1.	Animal House	Incinerator Autoclave Hot plate
2.	Biochemistry Lab	Clean room facility. Colorimeter. Refrigerated incubator-shaker. Visible spectrophotometer.

3.	Bioprocess Engineering Lab	Fermenter, 80 refrigerator, Lyophilizer CO2 incubator, Laminar air flow, Inverted microscope.
4.	Center of Excellence, Waste Management	High Pressure Liquid Chromatography. Fluorescence Spectrophotometer. Gel Documentation System.
5.	Instrumental Methods of Analysis Lab	CO2 Incubator, Laminar Air Flow UV-Vis Spectrophotometer Gel Documentation System
6.	Microbiology Lab	Biosafety level-2 laminar air flow chamber. Laminar air flow chamber. Incubator. Hot air oven.
7.	Molecular Biology & Genetic Engineering	Thermo cycler. Laminar air flow chamber Laminar air flow. Cooling centrifuge. Shaking incubator
8.	Plant Tissue Culture Lab	Culture rack. Hot air oven. Laminar air flow Chamber. Plant growth chamber.

Department Of Chemical Engineering

S.No	Name of the Laboratory	Major Equipment
1.	Chemical Reaction Engineering Lab	MFR in Series, Combined Reactor, Adiabatic Batch Reactor, Isothermal Batch Reactor
2.	Chemical Technology Lab	Hot air Oven, Melting Point Apparatus, Digital Orbital Shaker
3.	Mass Transfer Operations Lab	Liquid-liquid extraction, Vacuum drier, Packed Bed Absorption Column, Batch Adsorption with Silica
4.	Mechanical Unit Operations Lab	Jaw Crusher, Ball Mill, Vibrating Screens, Cyclone Separator, Plate & Frame Filter Press
5.	Momentum Transfer Lab	Orifice And Venturi Meters, Flow Through Pipes and Fittings
6.	Physical Chemistry Lab	UV - VIS Spectro Photometer, High Performance Liquid Chromatography, Gas Chromatography
7.	Process Dynamics And Control Lab	Control Valve Trainer, Flow Process Controller, Level Process Controller, Pressure Process Controller
8.	Process Heat Transfer Lab	Single Effect Evaporator, Thermal Conductivity of Liquids, Shell and Tube Heat Exchanger
9.	Simulation Lab	gPROMS with gO: RUN, gO: CAPEOPEN, Aspen Plus, CHEM CAD Software for user Network
10.	Crude Oil Evaluation Lab	Cloud Point apparatus, Pour Point apparatus, Carbon residue apparatus, Saybolt Viscometer.
11.	Drilling Fluids Lab	Retort Kit, Speed Viscometer, API Filter Press, Hamilton Beach Single Spindle Mixer
12.	Chemical Processing Of Textiles Lab	Ring Frame, Infra color dyeing machine, Semi computerized knitting machine, Spectro photometer
13.	Garment Manufacturing Technology	Usha Janome Embroidery machine, Sophie digitizer, Flat lock sewing machine, Sewing Machinery, HZL-F
14.	Textile Testing Lab	Research microscope, Unistretch 250, Martindale Abrasion Tester, Air Permeability Tester
15.	Biochemistry	Kjeldhal Apparatus, UV Visible Spectro Photo Meter, Crude Fiber Apparatus, Colorimeters
16.	Cereals And Legume Processing	Tray Dryer, Hot Air Oven, Rice Sheller, Rice Polisher

17.	Food Microbiology	Laminar air flow chamber, Autoclave, Binocular Microscope, Incubator
18.	Food Processing	Distillation unit, Refractometer, Muffle Furnace, Water Bath, Vacuum oven

Department of Civil Engineering

S.No	Name of the Laboratory	Major Equipments
1.	Concrete Technology Lab	2000 KN Compression Testing Machine, Vibration Table, Flexural Testing Machine, Concrete Mixer
2.	Environmental Lab	BoD Incubator with Stabilizer
3.	Geology Lab	Resistivity Meter, Mineral and Rock Specimens, Mohs Scale of Hardness
4.	Geotechnical Lab	Digital TriaxialOutFit, Direct Shear Apparatus, CBR Testing Apparatus, Unconfined Compression
5.	Structural Computational And Simulation Lab	ANSYS STRUCTURES, BentleyStaad Pro, UPS, 70 Computer Systems
6.	Structural Engineering Research Laboratory	100 Tonne Loading Frame with accessories
7.	Surveying Lab	Dumpy Levels, GPS, Theodolite, Electronic Theodolite, Total Station
8.	Transportation Lab	Digital Viscometer, Los Angeles Abrasion Testing Machine, Ductility Testing Machine,

Department of Computer Science and Engineering

S.No	Name of the Laboratory	Major Equipment
1.	Big Data Analytics Lab	HP i5 (75) UPS(1unit -25 kv) EXIDE 12V-42AH SMF Batteries LCD Projector (1)
2.	Networks Lab	HP i3 CPU (70) UPS(1unit -20 kv) A.C's (2 units 4 ton) LCD Projector (1) Wi-Fi Access Point
3.	Basic Programming Lab	HP i5 (70) UPS (2 each ups 6kv) A.C's (2 units 4 ton) LCD Projector (1) Monitor(70)
4.	Cse Research Lab	HP i5 8GB RAM,1TB HDD HP Work Station Z238 A.C's(2), UPS(10KV) IOT Kits(24)
5.	Data Science Lab	Lenovo i3 CPU's (41) Lenovo i5 Systems (4) 24-port (4) A.C's (4 Tons) LCD Projector (1) UPS (20KV)
6.	Application Development Lab	Lenovo i3 CPU (69) Lenovo i5 (3) 24-port Switch (4) A.C's (4 Tons) LCD Projector (1) UPS (20KV)

Department of Electrical and Electronics Engineering

S.No	Name of the Laboratory	Major Equipment
1.	Control Systems Lab	PLC, Magnetic Amplifier
2.	Electrical Measurements Lab	Anderson Bridge, Sharing Bridge, Kelvins double Bridge
3.	Electrical Simulation Lab	31 systems & 20 KVA UPS

4.	Electro Machines Lab – I	Rectifier, DC Compound motor generator set, DC Shunt motor generator set, DC series Motor generator
5.	Electro Machines Lab – II	3 phase and single phase Induction Motor, 3 ph & 1 Ph transformers, 3 Ph synchronous machines
6.	Power Converters Lab	Ardi Uno, Soldering rods, resistor, micro controller etc.
7.	Power Electronics Lab	Half wave Rectifier, Full wave Rectifier, Parallel Inverter
8.	Power Systems Lab	Electrical Power Transmission Line Training System, Dc Network Analyser
9.	Renewable Energy Systems	Solar Equipment

Department of Electronics and Communication Engineering

S.No	Name Of The Laboratory	Major Equipment
1.	Anatomy & Physiology Lab	Stethoscopes, BP Operators, Microscopes
2.	Biomedical Instrumentation Lab	EEG, ECG, EMG Systems, Nerve Conduction Velocity Measurement System and Computers
3.	Cad Lab	FPGA kits, Vertex Kits and computers
4.	Communications Lab-I	CommLab-T benchmark equipment, Spectrum Analyzer, Function Generators, Digital Storages
5.	Communications Lab-II	Klystron Bench setups, Gunn Bench Setups and CROs
6.	Digital Electronics Lab	HP-Intel core 2 duo E 4600 @2.40 Ghz, G31 Mother board, 4 GB RAM, 160 GB HDD
7.	Electronic Devices & Circuits Lab	Oscilloscopes, Power supplies
8.	Embedded Systems Lab/Wireless And Sensor Networks Research Center	USRP KIT, Tiny OS Zigbee IDE, Wingz Gateway, ARM BOARDS, KEIL BOARDS and Computers
9.	Ic Applications Lab	IC testers, CRO's, Function Generators, RPS and computers
10.	Instrumentation Lab	Instrumentation Modules, NI Experimental setup
11.	Microprocessors And Microcontrollers Lab	Universal Programmer kit, Microprocessors kits, Microcontrollers kits and computers
12.	Signal & Image Processing Research Center	LabView, NI equipment, My Daq, My Rio
13.	Signal Processing Lab	MAT Lab, DSP starter kits, Computers
14.	Vignan's Keysight Advanced Rf, Microwave And Wireless Communications (Coe)	KeysightSystemVue Software, Keysight ADS (Advanced Design System) + Empro Software, Keysight 89600B
15.	Vlsi Lab/Vlsi Research Center	Cadence Software, Xilinx vivado system edition, computers

Department of Science and Humanities

S.No	Name of the Laboratory	Major Equipment
1.	Welding	1.AUTO K-4002.Easy weld 400T3.RS 400 4. Transweld 5. Gas Welding
2.	Biofortification Lab	Fume hoods, Spray-dryer, UV-vis Spectrophotometer, Coolin Centrifuge, Atomic Absorption Spectrometer
3.	Center Of Excellence	SEM, X-RD, Elemental CHNS Analyzer, EDS, AFM, TGA, DTA, Optical Analyser, Raman spectrometer, DSC
4.	Cm's Skill Excellence Center	37 laptops
5.	Computer Based Training	1. 84 PCS 2. CAD software 3. PLM software
6.	Computer Programming-I Lab	74 systems, 25 KvA UPS, Server ,Printer
7.	Computer Programming-II Lab	70 Systems, 6 Kv (2), AC (3)
8.	Engineering Chemistry Lab	Colorimeter, Conductometry, PHmetry, Weighing Balance, Waterbath, Distilled Water Plant Unit
9.	Mat Lab	71 systems, UPS 25 KVA
10.	Physics Lab – I	He- Ne Laser, Diode laser, Optical fiber, Hall Effect, Function generator, Planck's Constant
11.	Physics Lab – II	Lees disc, Solar cell, Seebeck Effect, Ac Sonometer, LED KIT, Ultrasonic interferometer
12.	Refrigeration And Air-Conditioning	1.Scrollchiller 10TR 2. VRF IV plus system 8HP 3. Ducted split unit 5.5TR 4. Deep freezer hard top
13.	Technical English Language Lab	74 Systems, 25 KvA UPS, Software (Rosetta Stone),
14.	Thin Film Lab	Electron Beam Evaporation and Thermal Evaporation Technique, DC Sptturing Unit, UV visible spectrometer

Department of Mechanical Engineering

S.No	Name of the Laboratory	Major Equipment
1.	Beps Lab	Four Stroke Diesel Engine, Refrigeration System, Centrifugal Pump, Reciprocating Pump.
2.	Centre Of Excellence In Composite Materials	TensoMeter (20 kN) Specific gravity machine Portable impact testing machine (1.4 kg) Melt flow index
3.	Cnc Lab	CNC FLEX MILL CNC FLEX TURN
4.	Fm&Hm Lab	1)Kaplan Turbine test setup 2) Francis Turbine
5.	Fuels Lab	Bomb Calorimeter, Red Wood Visco meter, Open cup Operators (Flash and Fire Point)

6.	Hydraulic And Pneumatic Lab	Pneumatic Trainer Hydraulic Trainer Electro Pneumatic Trainer
7.	I.C Engines Lab	Re-circulating type Air Conditioning test rig. Computerized Variable Compression Ratio Test Rig 2 -
8.	Instrumentation Lab	Capacitive Transducer with angular measurements
9.	Machine Dynamics Lab	Forced & Free Vibration – Universal Vibration apparatus
10.	Machine Tools Lab	Lathe (Panther), Lathes (Namratha) Lathes (PL 4 type), Planer Milling machine
11.	Manufacturing Process Lab	Hydraulic press Universal Testing Machine
12.	Mech Cad Lab	Computer Systems DELL Make Computer Systems LENOVO ANSYS - 15.0 (50 Licenses) CREO – 1.0 (50 License)
13.	Mechanics Of Solids Lab	Universal Testing Machine Image Analysis Software system with camera Specimen Mounting Press
14.	Metallurgy Lab	Digital Microhardness Tester HVS 1000B with inbuilt printer Imported Metallurgical Microscope DQS I4
15.	Metrology Lab	Digital Microhardness Tester HVS 1000B with inbuilt printer Imported Metallurgical Microscope DQS I4
16.	Robotics Lab	ABB MIG Welding Robot (IRB1520), Stewart Platform, 5 axis robotic manipulator, Scara Robot, Rabbit Mobile Robot platform
17.	3d Printing Lab	3D systems Cube Pro 3D systems Cube Pro Duo 3D systems Cube Pro Trio 3D scanner 2nd Generation - Sense Einscan (SE) Elite

DEPARTMENT OF MANAGEMENT STUDIES

S.No	Name of the Laboratory	Major Equipment
1	Mba Lab	Computer Desktop Systems(64no.s) 4.0 Ton Cassette Split Air Conditioner

DEPARTMENT OF INFORMATION TECHNOLOGY

S.No	Name of the Laboratory	Major Equipment
1	Advanced Programming And Networking Lab	Computer Systems, UPS + Batteries, Ac's, IOT Equipment
2	Web Technologies Lab	Servers, Clients, Monitors, UPS, Ac's

DEPARTMENT OF PHARMACEUTICAL SCIENCES

S.No	Name of the Laboratory	Major Equipment
1.	Pharmaceutical Analysis	HPLC, UV Visible Spectro Photometer, Calorimeter, pH meter, Digital balance

2.	Pharmaceutical Biotechnology	Laminar Air Flow, Refrigerator, Autoclave
3.	Pharmaceutical Chemistry	Fume-hood, Analytical Balance, UV lamp/ UV Cabinet, High Vacuum pump, EyelaCryo- bath, RotoVap
4.	Pharmaceutics	Homogeniser, Sieve Shaker, Ball Mill, Tray Dryer
5.	Pharmacology	Student organ bath, Rotarod apparatus, Biochemical analyzer

- **Computational Facility**

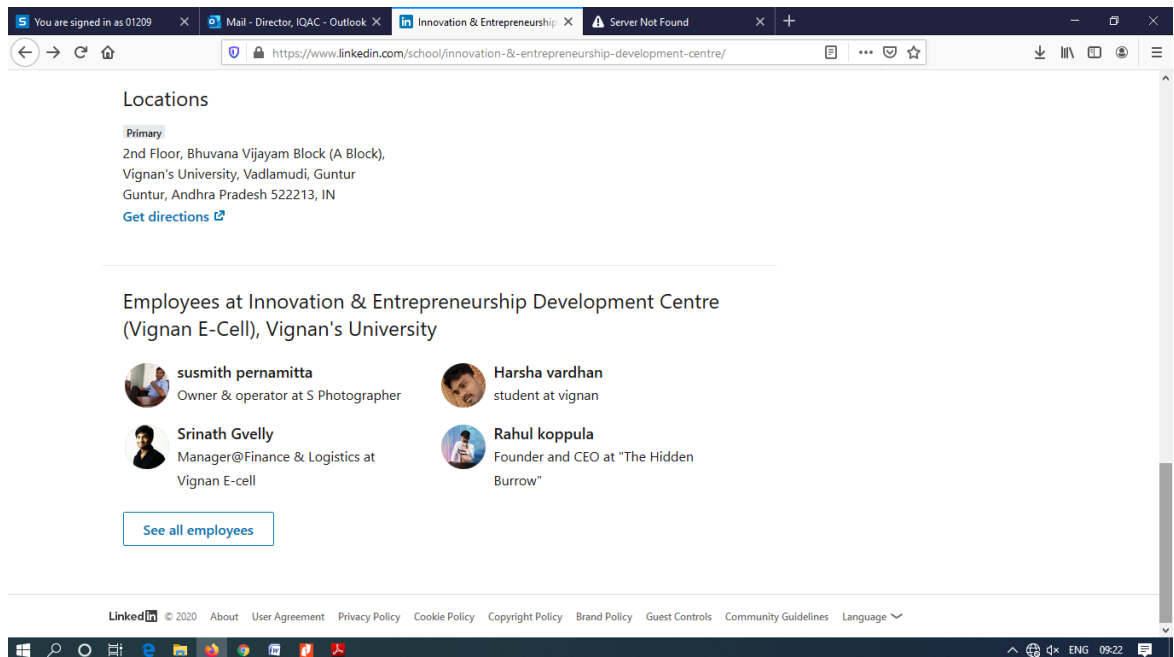
- Internet Bandwidth = 1GBPS from Reliance JIO
- System Configuration = i3, i5 with minimum OF 4 gb ram WITH 500gb internal hard Disk
- System with LAN connection = 2612
- System with WAN connection = 2612

- **Innovation Cell**

Whatever the problem may be, let it be as huge as a Dreamliner or as tiny as a Tata Nano, it is still a problem and the solution you find is an idea. But all it needs is to think out of the box and to be par with present day trends, customs and technology. The Entrepreneurship and development Cell (E-Cell) of Vignan's Foundation for Science Technology and Research- University took its birth in the year 2012 with its primary objective to uphold the entrepreneurial culture and mind-set, skill acquisition and self-employment. Since its inception it has been working hard and promoting its culture and now it is one of the most happening organizations in the nation. Key activities of the Centre are entrepreneurship training, business enhancement programme for Engineering students, artisans and small business operators, workshops to teach and spread the significance of entrepreneurship, innovation, creativity, and development research. The Centre's approach and engagement with the clientèle aims to provide insight into the tools, techniques and frameworks for managing all functional areas of business enterprises, including production, marketing, human resources and finance. This aims developing the skills of potential entrepreneurs to successfully start, expand, diversify and manage a business enterprise, as well as link them with financial institutions for start-up capital. E-Cell is structured into 4 departments, namely, research and consultancy, entrepreneurship training, skill acquisition, and cooperative and extension departments.

<http://www.vuecell.org>

<https://www.linkedin.com/school/innovation-&-entrepreneurship-development-centre/>



• **Social Media Cell**

The rise and increasing pervasiveness of digital social media—Facebook, Twitter—have dissolved many technical barriers to widespread and sustained stakeholder involvement in improving University Activities / services

The major purpose of using social media is to increase stakeholder engagement along with expanding its reach. Besides, it will also enable VFSTR to transform public perception, help in improving services / Activities / Practices and gain public trust through transparency.

Strategic Objectives

- **Communication:**
 - Use of key social media channels as the key platform for communication with stakeholders
 - Receipt & Clarifying of stakeholder doubts through social media
- **Contribution:**
 - Providing social media platform for stakeholders to contribute their ideas and thoughts
 - Arranging social media initiatives for stakeholders to actively participate in polling/ decision making/ ideation/ providing feedback
 - Creation of wiki/ social media knowledge repository
- **Convergence:**
 - Promoting in social media as One stop shop for all VFSTR Events / Activities information
 - Promoting Social Media as collaboration platform for stakeholder participatory activities
 - To enhance the overall image of VFSTR as brand

To maximize the impact of social media, a separate Social Media team has been constituted within the Media Department of VFSTR.

The team comprises of following individuals:

- Social media moderator
- Content Designer
- Content Writer

This team is supervised by Media, Head of the Department .

Guidelines

Guidelines have been developed to ensure neutral approach to social media.

- Professionalism: Be Polite, Be Discrete and Be Respectful to all. Avoid making personal comments for or against any individuals or agencies. Also, professional discussions should not be politicised
- Openness: Be open to feedback, both positive and negative. It is NOT compulsory that every comment must be replied
- Compliance: Follow relevant rules and regulations. Avoid copyright infringement
- Privacy: Do not reveal personal information about other individuals as well as do not publish VFSTR details unless the information is meant to be made public so that citizens can use it
- Content that is shared must be informative and helpful to Stakeholders
- Content being shared should bring about awareness among stakeholders about various VFSTR events/initiatives.
- No content to be posted that show political or religious affiliations

Social Media Handles

- **Facebook:** <https://www.facebook.com/Vignan-University-351520444892263/>
- **Twitter:** <https://twitter.com/VFSTRUniversity>
- **Linkedin:** <https://www.linkedin.com/company/vignan-s-foundation-for-science-technology-research>
- **YouTube:** https://www.youtube.com/channel/UCzDKwPH7h79xDSOUgGSwjPQ?view_as=subscribers

• List of Facilities available

- **Games**
2 Basket ball courts, 2 Tennis courts, 9 Volleyball courts, one 400 mt. Athletics track, Football and Cricket ground, one Gymnasium etc. are provided with professional coaches.
- **Extra-Curricular**
The institution believes that the all round development of students helps the student to not only become a better individual but also a responsible citizen to the society. To inculcate the culture of providing an extended support to society, dedicate NSS and NCC units are put in force through which the students get involved in creating awareness to villages in the locality. The institute has also started its TEDx chapter where eminent speakers are brought to a single platform and the talks delivered by them are made digitally available.

NSS activities:

Institution has a dedicated NSS unit to give an extended hand to promote Humanity and making the society a better place. NSS unit of INSTITUTION has adopted two government schools one in Vejandla and one in SangamJagarlamudi. These school students are provided with note books, stationery required for their education and transport facilities from schools to examination centers during their examinations and the village VeeranayakuniPalem near the institution is also adopted by the NSS unit; Medical camps, awareness campaigns, swatch bharath programmes will be conducted regularly, and digital literacy is promoted specially in the adopted village, recently a water tank has also been constructed for the village.

As a part of the birthday celebrations of H chairman of Vignan Group, Dr.Lavu Rathaiah, NSS unit conducts a mega Blood Donation camp in the campus every year. Several projects undertaken have - (water-tree)- in this programme, as an addition to planting the saplings 300 tree guards have also been provided in five villages located in the region of Institution. NSS volunteers have taken an initiative to educate the government school students on Saturdays and Sundays, they also give special lectures on Strategic planning for higher education to Ninth and tenth standard students of the regional village government schools.

Apart from the regular events like Swatch Vignan drives, national festivals (Republic and Independence Day), Eye donation campaign, World water day, Dental check-up, full medical check-up camps for teaching, non-teaching and students are also organized regularly.

Some of the NSS activities done to be specially mentioned: Training to visually challenged students in IT skills to get employment Provided Training for Police officials of Guntur district in computer skills Live Web casting program organized for Election Commission of India during MPTC & ZPTC Elections and also at General Elections 2014 One day training programme in mushroom cultivation on 12th September 2016 at Sekuru village, Different recipes from mushrooms were explained to the 50 villagers participated.

- **Soft skill**

VFSTR has also incorporated Soft Skill based courses in all the B.Tech. programmes. Two laboratory courses, namely a) Soft Skills laboratory and b) Professional Communication Laboratory of one credit each, are included in the second year of the curriculum. These are in addition to the four credit course of Technical English Communication in first year curriculum. A 200 hour specially designed CRT programme, covering aptitude training, verbal ability and employability related soft skills, is also offered as an add-on programme.

- **Teaching Learning Process**

- **Curriculum & Syllabus**

S.No	Title of the PG Course	Weblinks of Curricula and Syllabi	Weblinks of Laboratory facilities
1	Automobile	https://www.vignan.ac.in/automobilecourse.php	https://www.vignan.ac.in/aelab.php
2	Agricultural	https://www.vignan.ac.in/agri.php	https://www.vignan.ac.in/aelab.php
5	Biotechnology	https://www.vignan.ac.in/biotechcourse.php	https://www.vignan.ac.in/biotechlab.php
6	Bioinformatics	https://www.vignan.ac.in/bioinformaticscourse.php	https://www.vignan.ac.in/biotechlab.php
9	Chemical	https://www.vignan.ac.in/chemcourse.php	https://www.vignan.ac.in/chemlab.php
10	Textile	https://www.vignan.ac.in/textiletechnology.php	https://www.vignan.ac.in/chemlab.php
11	Food Technology	https://www.vignan.ac.in/foodcourse.php	https://www.vignan.ac.in/chemlab.php
12	Petroleum	https://www.vignan.ac.in/Petroleumcourse.php	https://www.vignan.ac.in/chemlab.php
17	Civil	https://www.vignan.ac.in/civilcourse.php	https://www.vignan.ac.in/civillab.php
19	CSE	https://www.vignan.ac.in/csecourse.php	https://www.vignan.ac.in/cselab.php
21	ECE	https://www.vignan.ac.in/ececourse.php	https://www.vignan.ac.in/ecelab.php
22	Biomedical	https://www.vignan.ac.in/biomedical.php	https://www.vignan.ac.in/ecelab.php
25	EEE	https://www.vignan.ac.in/eeecourse.php	https://www.vignan.ac.in/eeelab.php
26	EEE		
27	Mechanical	https://www.vignan.ac.in/mechanicalcourse.php	https://www.vignan.ac.in/mechlab.php
29	IT	https://www.vignan.ac.in/itcourse.php	https://www.vignan.ac.in/itlab.php
30	BCA	https://www.vignan.ac.in/bcacourse.php	https://www.vignan.ac.in/mgtlab.php
32	BBA	https://www.vignan.ac.in/bbacourse.php	https://www.vignan.ac.in/mgtlab.php

- **Academic Calendar**

Semester - II

Week	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Week-1	01-Dec	2-Dec Semester Break	3-Dec Semester Break	4-Dec Semester Break	5-Dec Semester Break	8-Dec Commencement of Class work for S.Tech-Sem-2	07-Dec
Week-2	08-Dec	09-Dec	10-Dec	11-Dec	12-Dec	13-Dec	14-Dec
Week-3	15-Dec	16-Dec	17-Dec	18-Dec	19-Dec	20-Dec	21-Dec Semi Christmas
Week-4	22-Dec	23-Dec	24-Dec	25-Dec - Holiday Christmas	26-Dec CMC-1	27-Dec	28-Dec
Week-5	29-Dec	30-Dec	31-Dec	01-Jan	02-Jan	03-Jan	04-Jan
Week-6	05-Jan	06-Jan	07-Jan	8-Jan MID 1	9-Jan MID 1	10-Jan MID 1	11-Jan Ethnic Day (sankranti)
Week-7	12-Jan	13-Jan Additional Holiday	14-Jan- Holiday Bhogi	15-Jan- Holiday Sankranti	16-Jan- Holiday Kasuma	17-Jan Additional Holiday	18-Jan Additional Holiday
Week-8	19-Jan	20-Jan	21-Jan	22-Jan	23-Jan Feed Book (Phase-01)	24-Jan Feed Book (Phase-01)	25-Jan Feed Book (Phase-01)
Week-9	26-Jan Republic Day	27-Jan Feed Book (Phase-01)	28-Jan Feed Book (Phase-01)	29-Jan	30-Jan VIGNAN Mahotsav	31-Jan VIGNAN Mahotsav	1-Feb VIGNAN Mahotsav
Week-10	02-Feb	03-Feb	04-Feb	05-Feb	06-Feb	07-Feb	8-Feb PTA Meeting
Week-11	09-Feb	10-Feb	11-Feb	12-Feb	13-Feb A Fish Story – II, CMC-02	14-Feb	15-Feb
Week-12	16-Feb	17-Feb	18-Feb	19-Feb	20-Feb Mattrubasha Diwas	21-Feb- Holiday Maha Shivratri	22-Feb Additional Holiday
Week-13	23-Feb	24-Feb	25-Feb	26-Feb	27-Feb	28-Feb National Science Day	29-Feb MID 2
Week-14	01-Mar	02-Mar MID 2	03-Mar MID 2	04-Mar	05-Mar Srujanankura – Preparations	06-Mar Srujanankura – National level Tech Fest	7-Mar Srujanankura–National level Tech Fest International Women's Day
Week-15	08-Mar	09-Mar	10-Mar- Holiday Holi	11-Mar	12-Mar	13-Mar Global Fest	14-Mar Global Fest
Week-16	15-Mar	16-Mar Feed Book (Phase-02)	17-Mar Feed Book (Phase-02)	18-Mar Feed Book (Phase-02)	19-Mar A Fish Story – III & Feed Book (Phase-02)	20-Mar	21-Mar
Week-17	22-Mar	23-Mar	24-Mar	25-Mar- Holiday Ugadi	26-Mar CMC-05	27-Mar	28-Mar Idea Carnival
Week-18	29-Mar	30-Mar	31-Mar	01-Apr	02-Apr- Holiday Sri Rama Navami	03-Apr	04-Apr
Week-19	5-Apr - Babu Jagjivan Ram Jayanthi	06-Apr	07-Apr	08-Apr	09-Apr	10-Apr- Holiday Good Friday	11-Apr
Week-20	12-Apr	13-Apr MID 3	14-Apr- Holiday Ambedkar Jayanthi	15-Apr MID 3	16-Apr MID 3	17-Apr Preparation and Lab Exams	18-Apr Preparation and Lab Exams
Week-21	19-Apr Preparation and Lab Exams	20-Apr Preparation and Lab Exams	21-Apr Preparation and Lab Exams	22-Apr Preparation and Lab Exams	23-Apr Preparation and Lab Exams	24-Apr Preparation and Lab Exams	25-Apr Preparation and Lab Exams
Week-22	26-Apr	27-Apr Sem End Exams	28-Apr Sem End Exams	29-Apr Sem End Exams	30-Apr Sem End Exams	1-May Sem End Exams	2-May Sem End Exams
Week-23	03-May	4-May Sem End Exams	5-May Sem End Exams	6-May Sem End Exams	7-May Sem End Exams	8-May Sem End Exams	9-May Sem End Exams

- For each Post Graduate Courses give the following:

Title of the PG Course	Weblinks of Curricula and Syllabi	Weblinks of Laboratory facilities
Farm Machinery	https://www.vignan.ac.in/mtechfarmcourse.php	https://www.vignan.ac.in/aelab.php
Bio-Technology and Bioprocess Engineering	https://www.vignan.ac.in/biotechmtechcourse.php	https://www.vignan.ac.in/biotechlab.php
Food Processing Technology	https://www.vignan.ac.in/mtechfood.php	https://www.vignan.ac.in/chemlab.php
Structural Engineering	https://www.vignan.ac.in/civilcoursepg.php	https://www.vignan.ac.in/civillab.php
Computer Science and Engineering	https://www.vignan.ac.in/mtechcsecourse.php	https://www.vignan.ac.in/cselab.php
Embedded Systems	https://www.vignan.ac.in/embeddedcourse.php	https://www.vignan.ac.in/ecelab.php
VLSI	https://www.vignan.ac.in/vlsicourse.php	https://www.vignan.ac.in/ecelab.php
Power Electronics and Drives	https://www.vignan.ac.in/powerelcourse.php	https://www.vignan.ac.in/eeelab.php
Machine Design	https://www.vignan.ac.in/machinedesigncourse.php	https://www.vignan.ac.in/mechlab.php
Computer Applications	https://www.vignan.ac.in/mcacourse.php	https://www.vignan.ac.in/itlab.php
MBA	https://www.vignan.ac.in/mgtlab.php	https://www.vignan.ac.in/bbacourse.php

XVI. Enrolment of students in the last 3 years

S.No	Programme	2017-18		2018-19		2019-20	
		SS	AS	SS	AS	SS	AS
1	AGRICULTURAL ENGINEERING	60	54	60	47	60	23
2	AUTOMOBILE ENGINEERING	30	16	60	22	60	4

3	BIOTECHNOLOGY	120	121	180	147	180	40
4	BIOMEDICAL ENGINEERING	30	28	60	32	60	149
5	BIOINFORMATICS	30	30	60	22	60	29
6	CHEMICAL ENGINEERING	30	21	60	48	60	27
7	CIVIL ENGINEERING.	30	42	60	22	60	18
8	COMPUTER SCIENCE ENGINEERING	510	517	540	453	540	498
9	ELECTRONICS AND COMMUNICATION ENGINEERING	360	377	420	246	420	224
10	ELECTRICAL AND ELECTRONICS ENGINEERING	60	49	60	35	60	48
11	FOOD TECHNOLOGY	120	105	120	116	120	105
12	INFORMATION TECHNOLOGY	120	97	120	89	120	102
13	MECHANICAL ENGINEERING.	60	84	120	46	120	77
14	PETROLEUM ENGINEERING	30	22	60	11	60	11
15	TEXTILE TECHNOLOGY	30	19	60	29	60	8
		1620	1582	2040	1365	2040	1363
16	BACHELOR OF BUSINESS ADMINISTRATION	120	137	180	172	180	133
17	BACHELOR OF COMPUTER APPLICATION	60	42	60	57	60	57
18	B.Sc (MSCs)	60	59	120	103	120	49
19	B.Pharmacy			60	17	60	37
	Total	1860	1820	2460	1714	2460	1639
S.No	Programme	2017-18		2018-19		2019-20	
		SS	AS	SS	AS	SS	AS
1	BIOTECHNOLOGY	18	9	18	2	18	16
2	COMPUTER SCIENCE AND ENGINEERING	18	20	36	13	36	6
3	EMBEDDED SYSTEMS	18	10	18	7	18	5
4	FARM MACHINERY	-	-	18	1	18	1
5	FOOD TECHNOLOGY	18	8	18	2	18	1
6	MACHINE DESIGN	18	10	18	4	18	1
7	POWER ELECTRONICS AND DRIVES	18	7	18	4	18	6
8	STRUCTURAL ENGINEERING	18	18	36	15	36	11
9	VERY LARGE SCALE INTEGRATION (VLSI)	18	12	18	8	18	7
10	MASTER OF BUSINESS ADMINISTRATION	180	201	240	121	240	104
11	MASTER OF COMPUTER APPLICATIONS	60	31	60	65	60	0
	Total	384	326	498	242	498	158

XVII. List of Research Projects/ Consultancy Works

PROJECTS:

The current number of sponsored research projects is **33** with a combined worth nearly Rs. 1000 lakhs. Projects worth More than Rs. 1400 lakhs are submitted in the year 2019.

Year : 2019 – Projects Sanctioned

Sl. No	Dept.	Name of Investigator	Title of the Project	Duration	Funding Agency	Sanctioned Amount (Lakhs)
1	Mech	Dr.L.S.Raju	Experimental Investigation of influence of Ultrasonic vibration on Micro structure and Mechanical properties of	2019-2021	DST EMEQ	32.05

			FSPED Aluminium alloy			
2	ECE	Mr.Amerendra Nath	Design and Development of Novel Non-Invasive Imaging System for Diagnosis of Peripheral Artery Disease.	2019-2021	DST BDTD	46.02
3	Chem	Dr VenkataSwamyNalaja	Preparation of High pure anhydrous Magnesium chloride from sea water bitterns and Magnesite	2019-2021	DRDO	23.23
4	BT	Dr S.Krupanidhi	Phylogenetic analysis and bar coding of Indian apple snails as a prelude to their conservation stagey	2019-2021	MEFC	20.30
5	Chemistry	Dr K.Prabhakara rao	Pre embedded nanoparticle and or /composite-cluster core metal organic frame work (MOFs) based Electro-catalysts for efficient splitting of water and carbon dioxide	2020-2023	DST-CRG	48.00
6	Mech	Dr. M. Ravi Kumar	Design and Development of Coconut Harvesting Robot	2020-2021	DST-SYST	23.00
7	S&H	Dr ShubhaLshmi Sengupta Dr K.Srikanth	A novel Bio reactor for bio degradation of Marian plastic litter in coastal Andhra Pradesh	DST-SYST	DST-SYST	37.00

Year : 2018 – Projects Sanctioned

Sl. No	Dept .	Name of Investigator	Title of the Project	Duration	Funding Agency	Sanctioned Amount (Lakhs)
1	EEE	Dr.K.MercyRosalina	Hardware implementation of IEEE 57 bus	2018-2020	DST EMEQ	35.00
2	ECE	Dr.B.SitaRamanjenyulu	Reliable, Cost-effective Driver Signaling System for railways using wireless sensor network	2018-2021	DST ICPS	35.00
3	AE	Dr.K.Vidhu	Development of an Electrostatic Agricultural Spray Charging System as an Attachment to a Knapsack Mist Blower”	2018-2020	DST CRG	22.89
4	S &H	Dr.D.NagaRaju	An Efficient Regioselective Cascade Synthesis of benzofuran/pyran/quinoline embedded privileged molecules for health and sustainability	2018-2019	DST NCSTC	6.66

Year : 2017

Sl.No	Dept.	Name of Investigator	Title of the Project	Duration	Funding Agency	Sanctioned Amount (Lakhs)
1	Applied Engg	Dr. D Vinay Kumar	Formulation and optimization of Iso-Stoichiometric Ternary Gasoline-Alcohol Blends and investigation of their influence on a Spark Ignition Engine	2017-2020	DST-SERB	21.63
2		Dr.VidhuKamprath	Empowering Panchayati Raj Institutions Spatially (EPRIS)	2017-2017	ISRO-NRSC	22.85
3	Biotechnology	Dr. T.S. Gopenath	Degenerative effects of organophosphate pesticides on the formation of an inner plexiform layer during retinal development and protective roles of growth factors in an in vitro 3D culture system derived from embryonic chick retina	2017-2020	DST – ECR	35.06
4	CSE	Dr.MaruthiPadmaDr. N Gnaneswararao	An adaptive classifier for unbalanced evolving streams-An application to fraudulent data streams	2017-2019	DRDO-ER&IPR	9.10
Total						88.64

Year : 2016

Sl.No	Dept.	Name of	Title of the Project	Duration	Funding	Sanctioned
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		Investigator			Agency	Amount (Lakhs)
1	Biotechnology	Dr. D. VijayaRamu	Molecular cloning, expression and functional characterization of IL-4 splice variants in the guinea pig model of pulmonary tuberculosis	2016-2019	DST – ECR	28.77
2		Dr. M S Sivakiran	Construction and studies on vaccine potential of chimeric protein molecules comprising immunodominant regions of outer membrane proteins of enterobacteriaceae for application as broad spectrum vaccine against salmonella, shicella, e.coli and proteus	2016-2019	DST-SERB	32.09
3	Civil Engg	Dr. V PoornachandraRao	Suspended and bottom sediments of the estuaries and adjacent shelf off western India	2016-2019	CSIR-ES	9.70
Total						70.56

Year : 2009-2015

Sl. No	Dept .	Name of Investigator	Title of the Project	Durati on	Funding Agency	Sanctioned Amount (Lakhs)
1	Biotechnology	Dr. S. Krupanidhi	Studies on Molecular Heterogeneity of Hemocyanins of Endemic BlueBlooded Invertebrates	2013-2016	DST-SERB	41.12
2		Dr. S. Krupanidhi	Fund for Improvement of Science and Technology	2014-2019	DST-FIST	42.50
3	Chemical Engineering	Dr.R.VenkatNadh, Mr.P.Ashok Kumar, Mr.P.Bangarai ah	Food technology lab development	2013	MOFPI	75.00
4		Mr. P. Ashok Kumar	Design & Simulation of Chemical Process	2009-2011	AICTE	6.00
5	Civil Engg	Dr. V PoornachandraRao	Geology of the Mandovi and Zuari estuaries: sources and pollution	2014-2019	DST-JCBNF	68.00
6	CSE	Mr. A Raghunath, Dr. K V Krishna Kishore	Development of Educational suite for training visually impaired students in computer programming and information technology skills	2014-2018	DST-SEED	53.80
7	EEE	Dr. G. DurgaSukumar	Design of back to back PV solar panel with rotating convex lense& concave mirror using neuro fuzzy based controller for industrial drive to get better output in lesser area	2013-2017	DST-FT	25.74
8		Mr.Y.S.KishoreBabu	Power Converters Lab	Jan, 2010	AICTE	10.00
9	ECE	Dr. N. Usha Rani	ECAD Lab	2010-2011	AICTE	13.75
10		Dr. N. Usha Rani	RPS-Medical Image Registration of Brain Images	2009-2010	AICTE	9.00
11		Dr. N. Usha Rani	Development of real time fast algorithm for registration of brain tumor	2013-2016	DST-FT	20.56

12	MBA	Dr. K. Kalpana	Women Technology Park at Vadlamudi	2014-2017	DST-SEED	63.15
13	MECH	Dr. Vidhu Kam purath, Narayan Rao, Durga Rao	Machine tool diagnostics	2015-2020	DST-FIST	47.00
14		Dr. K. Phaneendra Kumar	Nano Composites and Nano-Fluids	2006-2010	AICTE	6.90
15		Dr. D. Jagadish	Performance and Emission Studies of Algae Biodiesel in a CI Engine Equipped with Diesel Particulate Filter	2013-2017	DST-FT	24.81
16		Dr. Venkata Madhuri	Electrochromic Devices based on Nano Crystalline WO3 thin films	2013-2017	DST-FT	26.82
17	Science & Humanities	Dr. Koya Prabh akara Rao	Design, Synthesis and Applications of Novel Superhydrophobic Nanoporous Coordination Polymers (SNPCPs)	2015-2018	DST-SERB	25.31
18		Dr. Sk. Anwar	Cascade reactions of Baylilshilman Adducts using Bifunctional Organocatalysts	2015-2018	DST-SERB	28.01
19		Dr. Satyasree	Fortification and biofortification of tomatoes to produce iron rich tomato powder and tablets to curb anemia in 42ollusca and pragnent women in selected villages at Guntur (Dt), A.P.	2014-2017	DST-SEED	46.88

Collaboration and extension activities

MoUs and established collaborative linkages were signed for faculty and student exchange; sharing of learning resources and research/academic publications with the nearly 41 universities/ industries; curriculum development; Internship; On-the-job training; Faculty exchange and development; research; consultancy, extension and student placements.

This has been made possible with the institutional practices of inviting external senior researchers as well as by encouraging around 100 faculty to complete their Ph.D in the next few years. The institution plans to substantially increase the research fund allocation and establish more Centers of Excellence. The institution strives to attain national recognition, particularly in the areas of agricultural technology and food technology, which are addressed by a few institutions in this region.

International MOUs

1. Dongseo University, Busan
2. Jeju National University, Jeju
3. Tomsk Polytechnic University
4. Ecole Centrale De Nantes
5. Soongsil University, Dongjak-gu, Seoul
6. Koreatech, Cheonan
7. Hannam University, Daejeon
8. Regents of The University of Colorado
9. Mekelle University, Ethiopia
10. Ministry of Science and Technology Federal Democratic Republic of Ethiopia
11. Nipissing University

National MOUs

1. M/s. Aasaan Educare Foundation, Chennai
2. M/s Mohan Spintex India Ltd., Vijayawada
3. M/s Sri NRKRT Textiles Pvt. Ltd., Chebrolu, Guntur
4. M/s. Teejay India Pvt. Ltd., Visakhapatnam
5. M/s. Teejay India Pvt. Ltd. For Certificate Programme in Textile Technology
6. Greentech Industries (GTI) Pvt. Ltd., Nellore
7. M/s B. Terra Drone India Private Ltd.
8. M/s. Ananth Technology Limited, Hyderabad
9. M/s. Pennar Engineered Building Systems Ltd., Hyderabad
10. M/s Keysight Technologies India Pvt. Ltd., New Delhi
11. Y-Square Business Incubator, Vijayawada
12. M/s Intern & Job International, Hyderabad
13. M/s. Optimal Technology Solutions, Coimbatore
14. M/s Jai Raj Ispat Ltd., Hyderabad
15. M/s Jai Raj Ispat Ltd., Hyderabad
16. M/s. Garg Steels Udyog Pvt. Ltd., Hyderabad.

17. M/s. Ramesh Hospital, Guntur
18. M/s. Efftronics systems pvt. Ltd., vijayawada
19. M/s. Jocil, dokiparru, guntur
20. M/s. Samrajindusties, hyderabad
21. M/s. Chirra engineers pvt. Ltd
22. M/s. Novus green energy systems pvt. Ltd, secunderabad
23. M/s. Sri daakshyaani energy solutions, vijayawada
24. M/s. Bhat biotech, bengaluru.
25. M/s. The international crops research institute for the semi-arid tropics (icrisat), hyderabad.
26. M/s. Xe3 edubioskills solutions pvt ltd, bangalore.
27. M/s. Semiconductor laboratory, dept of space, govt. Of india
28. Innobox systems pvt.Ltd.
29. Amd research & development centerindiapvt. Ltd, Hyderabad
30. Kumar Pump Sets, Tenali.

XVIII. LoA and subsequent EoA till the current Academic Year

Website link for AICTE Letter of Approval

<https://www.vignan.ac.in/iqac/1%20AICTE%20Approval%20Letter.pdf>

Website link for AICTE Extension of Approval.

https://www.vignan.ac.in/iqac/EOA_Report_2019-20.pdf

XIX. Accounted audited statement for the last three years

2018-19 – <https://www.vignan.ac.in/pdf/BS%202018-19.pdf>

2017-18 – <https://www.vignan.ac.in/pdf/BS%202017-18.pdf>

2016-17 – <https://www.vignan.ac.in/pdf/BS%202016-17.pdf>

XX. Best Practices adopted, if any

Being a young institution, it has initiated and implemented many best practices which are emulated by even some of the old and established institutions of this region. A few best practices are given below.

i) Merit and Academic Scholarships

Scholarships to the students based on merit, both at entry level and continuation of scholarships up to end of the programmes to the tune of Rs.1800lakhs per year.

Impact:

The institute is able to attract more number of meritorious students and also students belonging to different socio-economic, cultural and educational background. The merit scholarships of the institute are helping a large number of students from low income group population to grow into well placed professionals.

The pass percentage of the last three outgoing batches shown 90% of graduates are received clearing their degree within the stipulated time out of which 80% are placed in various campus drives.

ii) Course on English Proficiency and Communication Skills (EPCS):

The institute has tied-up with the Cambridge University, UK for enhancing students' overall personality-development especially addressing the need to improve language proficiency and confidence levels of the students drawn from rural background. An MoU has been signed with the Cambridge University, UK to provide the following programs: (a) Preliminary English Test (PET) and (b) Business English Communication (BEC).

Impact :

- Though the students are from rural background, the success rate is more than 90% in PET and BEC exams conducted by Cambridge University.
- Enhancement of students' confidence levels, interpersonal and communication skills resulting in better campus placements

- In the last academic year, Miss Jahnavi, CSE department, created a record by securing full marks (170/170) in PET examination, conducted by Cambridge University in November 2016.

iii) Faculty Development Programme:

There is a well established Faculty Development Programme (FDP) in operation for the last six to seven years, where every new faculty has to undergo two months of orientation. During the programme, faculty are trained in the preparation of course contents, different teaching methodologies, evaluation procedure, understanding students' attitude and counselling system to implement in their career while providing emotional and psychological support to students.

Impact:

- The impact is so significant that 90 % faculty get students' feedback as high as 90 %
- Students' success rate in the examination is more than 90 %

iv) Counselling System :

The institution strongly believes that knowledge support provided in the classroom is not sufficient to mould a student as a competent professional. Most of the students need emotional and psychological support from the faculty. Hence, a systematic counseling i.e., Academic and Emotional Progress of Students (AEPS) has been working in the institute, where every faculty is allotted 20 students to take care of their emotional and personal issues like habits, youth problems, and irregularities. In this system, the faculty member is connected to both the students and their families to understand their problems with empathy to solve their problems from time to time. It has been implemented very effectively right from the inception of the institute.

Impact :

- The general behavior and discipline of students is appreciable
- The campus is always peaceful without any issues
- The progress of even an average student is noticed not only in academics but also in placements
- The relationship of students with the faculty and institution is always positive, which is evidently reflected in the 50 % admission happening every year due to the recommendations of existing students
- Due to the counselling system, the institute has become a happy place of learning without negative feelings, disturbances, distractions and distances between the students and the faculty

v) Felicitation to parents

The felicitation of parents whose wards are placed in various companies is instituted only in this institute of this region to honour them in the presence of renowned guests.

Impact:

- Created Indian value systems of respecting parents and elderly people by the younger people
- Strengthening the bond between parents, students and institution
- Succeeding batch of students are inspired
- The feelings of students are elated in such a way that they give an invaluable gift to the parents at an early age

vi) Introduction of Humanities:

VFSTR is the only institute of this region which has introduced Humanities subjects like Political Science, Economics, Sociology and History into the curriculum as one of the minor subjects. The syllabi are taken from the UPSC and taught this programme for three years. In the process, students are given orientation for competitive examinations like Civil Services of UPSC, Groups I and II of State Government.

Impact:

- It helps to develop holistic personality to become good citizens of the country having awareness of rights and responsibilities, trend of political and economic systems etc.
- A good number of students are motivated to prepare for Civil Services and other competitive examinations. As a result 8-9 students have got selected in IES and other competitive examinations.
- It is observed that even if the students are not successful in cracking the competitive examinations, they become better engineers who achieve fast growth rate in their profession.

VESTR