

STUDENTS HANDBOOK

2019 -20



DEPARTMENT OF CIVIL ENGINEERING
VIMAL JYOTHI COLLEGE OF ENGINEERING
CHEMPERI, KANNUR-670632
PH:0460 2213399/2212240
website: www.vjec.ac.in

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ABOUT THE COLLEGE

Vimal Jyothi Engineering College (VJEC) is an educational project of the Archdiocese of Thalassery established in the year 2002 and is managed by Meshar Diocesan Educational Trust. The college is approved by AICTE and affiliated to APJ Abdul Kalam Technological University (KTU). VJEC is a self-financing catholic minority institution aiming at generating fervor for Engineering and Technology in students. Here we inspire, nurture and foster them to realize their career potential in the field of Engineering and Technology.

With profound insight into the resource requirements of the higher education system, VJEC has proudly set up world-class infrastructure complemented with intellectual capital in the form of competent faculty. Many of the facilities are way beyond the regulatory requirements aiming for learning beyond the syllabus to address the requirements of the industry. These material facilities along with value addition programs and student support systems are the integral facets of empowerment at VJEC.

Digital library, industry supported project labs, language lab, and student chapters of professional bodies such as IEI, ISTE, ACI offer an extensive range of resources, opportunities and services to the outcome based teaching learning process. Effective implementation of quality control processes ensure Engineering graduates with the expected level of knowledge, skill and attitude.

VISION

To bloom into a Center of Excellence for Technical Education and a pace-setter in rural India with its quality processes and procedures, interwoven with freedom of flexibility, moulding professionals of superior quality, dedicated to the progress and development of Humanity.

MISSION

To prepare the students to see beyond geographical limit and belong to a new age of acquisition and application of technology to meet the challenges of the changing world. Inspired and guided by gospel values, we contribute to the socioeconomic welfare of the country with due concern to the marginalized.

QUALITY POLICY

VJEC is committed to provide quality education in engineering and technology, to transform the youth into committed technical personal for the social and economical well being of the nation with integral development of the personality and character building.

MOTTO

"Where Perfection is the Tradition"

COURSES OFFERED

Undergraduate Programs (UG):

Sl. No	Branch	Seats	Duration
1	Applied Electronics & Instrumentation Engineering	30	4 years
2	Civil Engineering	120	4 years
3	Computer Science & Engineering	120	4 years
4	Electrical & Electronics Engineering	60	4 years
5	Electronics & Communication Engineering	90	4 years
6	Mechanical Engineering	120	4 years

Post Graduate Programs (PG)

Sl.No	Branch	Seats	Duration
1	Control & Instrumentation (AEI)	12	2 years
2	Communication Engineering & Signal Processing (ECE)	18	2 years
3	Computer Science & Engineering (CSE)	18	2 years
4	Power Electronics (EEE)	18	2 years
5	Structural Engineering & Construction Management (CE)	24	2 years
6	Thermal Engineering (ME)	12	2 years

WORKING HOURS

Section	From	To
Classes	9.00 am	4.10 pm
College office	9.00 am	5.00 pm
Library	8.30 am	6.00 pm
Stationery store	8.45 am	4.10 pm
Canteen	7.30 am	5.00 pm

DEPARTMENT OF CIVIL ENGINEERING

The Civil Engineering department was established in the year 2010. The department has been imparting quality education to meet the technological advancement and industrial requirements. This has been made possible due to qualified and dedicated faculty, state of the art laboratories and infrastructure facilities.

VISION OF THE DEPARTMENT

To develop into a center of excellence for quality education moulding competent civil engineering professionals dedicated to the progress and development humanity

MISION OF THE DEPARTMENT

- To provide quality education and training to create competent civil engineers
- To interact with industries to provide a knowledge base for existing and emerging technologies in the field of civil engineering.

- To inculcate moral and ethical values among the students to mould them as civil engineers with social obligations.

Program Educational Objectives (PEOs)

- Graduates will achieve broad and in-depth knowledge of Civil Engineering relating to industrial practices and research to analyze the practical problems and think creatively to generate innovative solutions using appropriate technologies.
- Graduates will make valid judgment, synthesize information from a range of sources and communicate them in sound ways appropriate to their discipline.
- Graduates will sustain intellectual curiosity and pursue lifelong learning not only in areas that are relevant to Civil engineering, but also that are important to society.
- Graduates will adapt to different roles and demonstrate leaderships in global working environment by respecting diversity, professionalism and ethical practices.

Program Outcomes (POs)

- **Engineering Knowledge:** Apply the knowledge of mathematics, science, engineering Fundamentals, and an engineering specialization to the solution of complex engineering problems.
- **Problem Analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- **Design/ Development of Solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- **Conduct Investigations of Complex Problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- **Modern Tool Usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- **The Engineer and Society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- **Environment and Sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- **Individual and Team Work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and

write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

- Project Management and Finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Outcome (PSOs)

- Graduates will have the ability to design a civil engineering system or process to meet the desired needs of the society.
- Graduates will have the ability to design and conduct experiments in various areas of civil engineering as well as analyze and interpret data.

LABORATORIES & FACILITIES

Strength of material Lab	Geotechnical Lab
Survey Lab	Design/CAD Lab
Civil workshop	Concrete Lab
Environmental Lab	Structural engineering Lab
Virtual Reality lab	Geology Lab
Chemistry lab	Mechanics Lab

PROFESSIONAL BODIES

IEI-The Institution of Engineers (India)

The Institution of Engineers (India) has more than one million members in 15 engineering disciplines in 114 centers or chapters in India and overseas; it is the world's largest multi-disciplinary engineering professional society in engineering and technology world. The Institution of Engineers (India) was established in 1920 in Kolkata, West Bengal. The Institution of Engineers (India) was incorporated by Royal Charter in 1935. The IEI conducts and sponsors technical meetings, conferences, and exhibitions all over India, publishes technical journals and provides continuing education as well as career advancement opportunities to its members.

The Civil Department of VJEC has started student's chapter of The Institution of Engineers (India), with membership number AB/ECSC/670632/VJEC/CV on March 2017

ISTE

The Indian Society for Technical Education is a national, non-profit making Society registered under the Societies Registration Act of 1860. First started in 1941 as the Association of Principals of Technical Institutions (APTI), it was converted into "Indian Society for Technical Education" in 1968 with a view to enlarge its activities to advance the cause of technological education in the country. ISTE has an Executive Council at National level. It has active membership of more than 97286 technical teachers, 5,66,466 student members, more than 2345 institutional members (including IITs, IISc., NITs and other leading technical institutions), 1166 faculty chapters and 1280 students' chapters throughout the country. The major objective of the ISTE is to assist and contribute in the production and development of top quality professional engineers and technicians needed by the industries and other organizations

ISTE Student's chapter at Vimal Jyothi was inaugurated on 30th September 2014.

Go Green club

As an initiative to the National Mission for a Green India (GIM), The Ministry of Environment has approved annual plans for four states of the country. It has become the need of the hour to have our share of creating awareness to save our environment for our future generation. This Go Green Club of our college was inaugurated on 03-04-2017.

The Aim of our club is to motivate and encourage the students to value and assume responsibility of their Environment, to strengthen positive thinking and collaboration among students and to develop life skills like communication, interpersonal relationship, decision making, critical thinking and self management. The objectives of the club are to increase the students' knowledge about understanding the environment and environmental challenges, to create awareness about, energy usage and energy savings, to create the habit of Go Green, in the campus and in the society, through students, contribute to the International days and other activities organized by the College.

CAMPUS CODE OF CONDUCT

1. Students are expected to maintain the highest standards of discipline and dignified manner of behavior inside as well as outside the College campus. They shall abide by the rules and regulations of the College and should act in a way that highlights the discipline and esteem of the College.
2. All the students are expected to be seated in the class room/lab 5 minutes before the commencement of the class/lab. The first hour will begin with a prayer song which will be played through P.A System. The students shall stand in attention till the prayer ends. Those who are standing outside the classroom are also expected to follow this.
3. As per the suggestions of the PTA meeting (16.01.17) the following measures to be implemented to discourage the students from repeating the above.
 - Late comers will be marked as absent in the class
 - For all the offenses mentioned above, first time oral warning will be given and for the second instance written warning will be given with a copy to the parent and on the third instance the parents to come to the college to discuss with the tutor and HoD about the ways and means to correct the student. However if the student is not coming with the parent/guardian within one month from the notice or if the student repeats the same offense again, he/she will be suspended from the college.
4. Students shall rise from their seats when the teacher enters the class room and shall remain standing till the teacher takes her/his seat or they are allowed to sit.
5. No student shall enter or leave the class room when the session is on without the permission of the teacher concerned.
6. Students having lab sessions in the FN or AN, have to report to the lab directly in time and they are not expected to go to the class room.
7. Students can leave the campus during class hours only after getting a gate pass from the Principal/ HoD, or the tutor and after making entry in the Gate Register maintained by the gate keeper.
8. All students shall leave the classes immediately after the last hour. Students are not to stay back in the class room/lab beyond normal working hours unless there is special permission/special class.
9. No students shall wander or gather in verandah, corridor, and staircase etc. Canteen, coffee shop, stationary store and bank to be visited only during intervals and non-working hours. Unauthorized absence from the class will attract disciplinary action.
10. All leave applications (Regular & Medical) shall be submitted in time, for

sanction by HoD and concerned teachers. Application for medical leave shall be accompanied by valid medical certificates.

11. Students shall come to the college in the prescribed uniform. Besides those who are in laboratories shall wear their respective lab-coats and safety shoes. Students travelling in the college bus shall be in uniform during the entire duration of travel.
12. All the students are expected to attend all college functions in college uniform unless otherwise specified.
13. All the students shall wear their identity cards, well displayed. Identity card is a public document and any teaching staff and non-teaching staff shall have the right to peruse it. Denial of that alone invites disciplinary action.
14. Students planning to make pilgrimage to Sabarimala can avail relaxation in dress code by producing a letter of intention certified by their parent/guardian. The student will be issued with a permission token to be kept along with the ID card to be shown to the authorities on demand during the period of dress code relaxation. However in labs as per safety regulations the prescribed uniforms shall be worn.
15. All kinds of tattooing, body piercing, hair styling and costumes that goes against the existing social norms and which could go against the spirit of VJEC academic values will be referred to the discipline committee.
16. As per Government rules, students (both day- scholars & hostlers) are not permitted to use vehicles in the College Campus. Day-scholars shall park their vehicles in the designated places near the entrances.
17. Students are expected to maintain silence in the academic buildings. Any deviant behaviour such as hooting, whistling, loitering etc. will be treated as an instance of indiscipline.
18. For independent study, students are expected to use the class rooms, library or the demarcated areas of the academic building and shall not resort to sitting in staircases or circulation areas where they could interfere with the free movement.
19. Students are encouraged to make use of the library, common computing facilities and to involve in professional body activities or any program authorized by the college beyond class hours. However under normal circumstances students shall retreat to their hostels or residences by 6.00PM.
20. All the students are advised to follow the VJEC Mobile phone policy and bring to the notice of the authorities violations if any.
21. Keep the campus neat and clean. Do not put any waste anywhere in the campus except in the waste baskets kept.
22. All the class rooms shall be kept neat and tidy, personal belongings such as shoes and lab coats shall not be stored in the class rooms.
23. Consumption of intoxicants / psychotropic substances in any form or smoking or using chewing- gum, panmasala etc. are strictly prohibited.
24. It is strongly advised to refrain from activities such as scribbling or noting on walls, door or furniture which could deface the college and destroy the academic ambiance.
25. Carefully handle the furniture, equipment, fixtures and appliances of the college and lab. Careless handling/misuse of the above could result in personal injuries or damage to property Follow safety precautions near moving machines and electrical installations. In the event of damage of property, the responsible students will have to bear the cost of replacement/repair.
26. Students are not permitted to arrange any unauthorized celebrations and

- decorations of any magnitude in the campus.
27. Students are not permitted to distribute or display (both physically and electronically) material such as notices, banners etc. in the campus without the permission of the competent authority.
 28. Students who intend to represent the college in intercollegiate events shall take prior permission from the concerned head of the department and the selection will be based on parameters such as academic performance, attendance, character, existing academic pressure and competence of the student in the proposed event for participation.
 29. During internal examinations of 2 hour duration, students are not allowed to leave the hall within one hour from the beginning of the exam, and students have to occupy the seat 5 minutes before the commencement of the examination.
 30. Appearing in all the internal examinations is mandatory for all the students.
 31. Political activity in any form is not permitted in the College campus. Unauthorized meetings, propaganda work, processions or fund collections are forbidden within the College, hostels, and outside the college.
 32. Students shall comply with all the instructions of accompanying staff during industrial visits and educational tours. Any deviant behaviour during the college organized programs will attract disciplinary action.
 33. Harassing juniors, ill treating fellow students or any form of ragging is prohibited and liable to be treated as a criminal offence by the law enforcing agencies as per the directives of Hon'ble Supreme Court of India
 34. Misbehavior towards girl students, use of threat or violence against members of the staff or fellow students will be considered as very serious cases of misconduct.
 35. Pay fees, mess bills etc. in advance or in time to avoid late fee.
 36. Any violation of the above rules will invite penalty in the form of warning, bringing of parents or any course of corrective measure as found suitable by any staff member or higher authority of the College.
 1. Expulsion from the College is enough for expulsion from the hostel.
 2. In case of any instance of noncompliance of existing rules or any observed matter/behavior that violates the code of conduct of VJEC, all the staff members are empowered to initiate disciplinary procedure by filling in a standard form which in turn may lead to the constitution of an enquiry committee and further proceedings.

Mobile Phone Policy

- Students are not permitted to use mobile phones within the campus during working hours
- Students who are staying in college hostels should not bring the mobile phones to the college.
- Day scholars carrying mobile phones to the college shall deposit the same in the designated place before 8.55 AM and can collect the same after 4.10 PM.
- The mobile phones shall be kept in silent mode while depositing in the designated place.
- All the staff members are empowered to confiscate mobile phones found with students violating the above rules.
- The confiscated mobile phones will be returned to the students only after the completion of their course.

This policy is applicable to all students who enter the campus.

LABORATORIES & FACULTY/STAFF IN-CHARGE

Sl. No.	Name of Faculty	Name of lab staff	Name of laboratory
1.	Mr Abhijath I P	Mr. Vijeesh Cheriyan	Survey Lab & workshop
2	Mr Linjesh Sebastian	Ms. Neethu Thomas	Advanced Design Lab
3	Ms Megha Vijayan	Mr. Jins George	Strength of Material Lab
4	Ms. Asha Mary Jose	Mr. Jins George	Concrete Lab
5	Mr Saneesh K	Ms. Noisy Jose	Geotechnical Lab
6	Mr.Nitheesh K	Ms. Neethu Thomas	Transportation Lab
7	Ms. Prajisha V.P	Ms. Noisy Jose	Environment Lab
8	Mr. Akshay T P	Mr. Jins George	Structural engineering Lab
9	Ms.Rinnet Francis	Ms. Neethu Thomas	Virtual Reality Lab
10	Ms Prajisha V.P	Mr Nimeesh Thomas	Chemistry lab
11	Mr Rojin P	Ms. Noisy Jose	Mechanics Lab
12	Dr Shika S	Mr Nimeesh Thomas	Geology Lab

Mentors of UG Program

Sl No	Class and Batch	Name of Mentors	Roll number of students	Batch Coordinator
1	S7/S8 CE – 2016 Batch	Mr Sreejith K	1-20	Ms Anuragi
		Ms. Anuragi	21-40	
		Mr Saneesh K	41-60	
2	S7/S8 CE – 2016 Batch	Mr Abijath I.P	1-20	
		Mr Aiswya M	21-40	
		Mr Vishu T Unni	41-60	
3	S5/S6 CE A – 2017 Batch	Mr Logi N Bobby	1-20	Dr Shika S
		Ms. Athira K	21-40	
		Ms. Anitta Jose	41-60	
4	S5/S6 CE B – 2017 Batch	Mr. Rojin P	1-20	
		Ms.Prajisha V.P,	21-40	
		Dr Shika S	41-60	
5	S3/S4 CE A – 2018 Batch	Ms. Anitha Babu	1-21	Ms. Anitha Babu
		Ms. Vinay SM	22-40	
6	S3/S4 CE B – 2018 Batch	Mr Aswin Joy	1-20	
		Ms. Maqsooda J H S	20-39	
7	S1/S2 CE A-2019 Batch	Mr Linjesh Sebastian	1-20	Mr Linjesh Sebastian
		Ms Rinnet Francis	21-40	
		Ms. Poornima P	41-60	
8	S1/S2 CE B -2019 Batch	Ms. Margret Abraham	1-20	
		Ms Hriyda P	21-40	
		Ms. Indu T	41-60	

INDUSTRIAL VISIT GUIDELINES

1. The students may go on industrial visit only when the dates are allotted for the same in the academic calendar.
2. Details of industries/technical/research organization proposed to be visited shall be indicated in the tour program.
3. A detailed tour program schedule to be made for getting approval.
4. For each group of 20 students, one faculty from the same department preferably group tutor should accompany the students. If girl students are participating the tour, one lady faculty member from same department preferably tutor should accompany the team.
5. Industrial visit programs should be approved by Principal. The details of the accompanying faculty members should be mentioned in the approval request. The programs and schedule should be duly signed and recommended by both tutors and HOD will only be considered for approval by Principal.
6. Written consent of the parent is essential for all students who participate in tour.
7. Tour program proposal should include the distance, date of travel, detailed schedule, mode of travel with the contact details of responsible person, boarding and lodging details, list of students participating etc.
8. An agreement should be signed with the traveling agency/IV operator in the presence of Bursar.
9. Any behaviour of students during the industrial visit which violates the instructions of the accompanying staff and affect the safety of fellow students shall be treated as a major instance of indiscipline.

The proposals which do not satisfy the above mentioned guidelines will be rejected.

RAGGING

Ragging in any form is prohibited and any incidence of indulging in ragging will be reported to the police. Ragging is a non-bailable offence.

Ragging may also attract punishment under the existing laws of land.

Ragging constitutes one or more of any of the following acts:

- i. Any conduct by any students whether by words spoken or written or by an act which has the effect of teasing, treating or handling with rudeness to a fresher or any other student.
- ii. Indulging in rowdy or undisciplined activities by any student or students which causes or is likely to cause annoyance, hardship, physical or psychological harm or to raise fear or apprehension thereof in any fresher or any other student.
- iii. Asking any student to any act which such student will not in the ordinary course do and which has the effect of causing of generating a sense of shame, or torment of embarrassment thereof in any fresher or any other student.
- iv. Any act by a senior student that prevents, disrupts or disturbs the regular academic activity of any other student or fresher.
- v. Exploiting the service of a fresher or any other student for completing any task assigned to and individual or group of students
- vi. Any act of financial extortion of forceful expenditure burden put on a fresher or any other student by students.

- vii. Any act of physical abuse including all variants of it – sexual abuse, homosexual assaults, stripping, forcing obscene and lewd acts, gestures, causing bodily harm or any other danger to health of a person.
- viii. Any act or abuse by spoken words, email, post, insults which would also include deriving perverted pleasure, vicarious or sadistic thrill from actively or passively participating in the discomfiture to fresher or any other student.
- ix. Any act that affect the mental health and self-confidence of a fresher or any other student with or without an intent to derive a sadistic pleasure or showing off power, authority or superiority by a student over any fresher or any other student.

A fresher means a student who has been admitted to an institution and who is undergoing his/her first year of study in such institution

Actions will be taken against student for indulging and abetting ragging depending upon the nature and gravity of the offence as established. The possible punishments for those found guilty of ragging at the institution level are any one or any combination of the following:

- i. Cancellation of admission
- ii. Suspension from attending the classes
- iii. Withholding/withdrawing a scholarship and other benefits.
- iv. Debarring from appearing any test/examination or their evaluation process
- v. Withholding results
- vi. Debarring from representing the institution in any regional, national or international meet, tournament or any such competitions.
- vii. Suspension/expulsion from the hostel
- viii. Rustication from the institution for a period ranging from 1 to 4 semesters
- ix. Expulsion from the institution and consequent debarring from admission to any other institution.
- x. Collective punishment: when the persons committing or abetting the crime of ragging are not identified, the institution shall resort to collective punishment as a deterrent to ensure community pressure on the potential raggers.

FACULTY DETAILS 2019-20

Sl.No.	Name	Specialization	email id	mobile no.
1	Dr. Benny Joseph	Environmental Engg.	bennyjoseph@vjec.ac.in	
2	Dr Biju Mathew	Structural Engineering and Construction Management	bijupmathews@vjec.ac.in	9847436426
3	Dr.Vra.Saathappan	Structural Engineering	drsaath@vjec.ac.in	9445659323
4	Dr.Shika S	Environmental Engineering	shikasuren@vjec.ac.in	9495461711
5	Ms.Sigi Thomas	Environmental Engineering	sigithomasi@vjec.ac.in	9497609410
6	Ms.Lekshmi L	Structural Engineering	lekshmil@vjec.ac.in	9496370963
7	Ms.Anitha Babu	Construction Management	anithababu@vjec.ac.in	7736110753
8	Mr.Linjesh Sebastian	Construction Management	linjesh@vjec.ac.in	8547881882
9	Ms.Margaret Abraham	Structural Engineering and Construction Management	margaret@vjec.ac.in	9633466204
10	Mr.Logi N Bobby	Coastal Management	logibobbyabraham@vjec.ac.in	8086564842
11	Mr.Ashwin Joy	Environmental Engineering	ashwinjoy@vjec.ac.in	9037313630
12	Mr.Saneesh K	Environmental Geotechnology	saneeshkrish46@vjec.ac.in	9995655249
13	Ms.Prajisha V P	Environmental Engineering	prajisha@vjec.ac.in	9745734859
14	Ms. Anuragi P	Structural Engineering and Construction Management	anuragi@vjec.ac.in	8129884345
15	Mr.Abhijath I P	Remote sensing & GIS	abhijathip@vjec.ac.in	9747233264
16	Ms.Asha Mary Jose	Structural Engineering and Construction Management	ashamaryjose@vjec.ac.in	9497294711
17	Ms.Rinnet Francis	Remote sensing & GIS	rinnet@vjec.ac.in	9497420192
18	Ms.Athira K	Water Resources Engineering	athirak@vjec.ac.in	9847090922
19	Mr.Nitheesh K	Transportation Engineering	knitheesh@vjec.ac.in	9947157691
20	Ms.Hridya P	Geotechnical Engineering	hridyap94@vjec.ac.in	9496641477
21	Mr. Rojin P	Geotechnical Engineering	rojinp@vjec.ac.in	9496400516
22	Ms. Anitta Jose	Structural Engineering	anittajose@vjec.ac.in	8606668696
23	Mr. Sreejith K	Offshore Structures	sreejithk@vjec.ac.in	9846077299
24	Ms. Maqsooda J H S	Traffic and Transportation	maqsoodajhs@vjec.ac.in	9747525380
25	Ms.Aiswarya M	Structural Engineering	aiswaryam@vjec.ac.in	9544019166
26	Ms. Poornima Pradeep	Structural Engineering and Construction Management	poornimapradeep@vjec.ac.in	9447116053
27	Mr. Vishnu T Unni	Structural Engineering	vishnuunni@vjec.ac.in	8111838710
28	Ms. Ankita Sebastian	Guidance & navigation Control	ankitasebastian@vjec.ac.in	9497767894

LAB STAFF DETAILS 2019-20

Sl.No	Name	Qualification	email id	Phone number
1	Vijesh Cheriyan	ITC	vijeshvimal@vjec.ac.in	9495373831
2	Jins George	ITC, BA,	jinsgeorge@vjec.ac.in	9562632698
3	Noisy Jose	ITC,BTH	noisyjose@vjec.ac.in	9400419318
4	Neethu Thomas	ITC,	neethuthomas@vjec.ac.in	9656455401
5	Nimeesh Thomas	B.Sc , B.Ed Chemistry	nimeeshthomas844@vjec.ac.in	7561008423

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY SILENT FEATURE OF RULES AND REGULATIONS 2015 admission and 2019 admission

- The duration of the B.Tech. Program shall be 4 years (8 semesters).
- The maximum duration shall be six academic years spanning 12 semesters.
- Every academic year shall have two semesters “1st July to 31st December (Odd semester)” and “1st January to 30th June (Even semester)”.
- Each semester shall have minimum of 72 working days.

2019 Admission

- B.Tech. Program shall have a total of 160 academic credits and 2 additional pass/fail credits **for 2019 admission.**
- There shall be End Semester Examinations (ESE) in every semester for all courses as prescribed under the respective curriculum, except the Lab/ workshops courses for 1 & 2 semester's .The End Semester Examinations shall be conducted by the University.
- Candidates in each semester shall be evaluated both by Continuous Internal Evaluation (CIE) and End Semester Examinations (ESE). The ratio of Continuous Internal Evaluation (CIE) to End Semester Examinations (ESE) shall be:

Theory Courses : 1 : 2	Laboratory Courses : 1 : 1
Project : CIE only	Seminar : CIE only
- The main eligibility criteria for registering to the End Semester Examination are 75% attendance in the course and no pending disciplinary action. Students who do not meet these eligibility criteria are awarded an FE grade.
- The students with FE grade shall register for the courses during the normal semesters in which the courses are offered.
- A student who does not register for all the courses listed in the curriculum for a semester shall not be eligible to enroll for the next higher semester.
- A student who does not register for all the courses listed in the curriculum for a semester shall not be eligible to enroll for the next higher semester.
- The maximum number of credits a student can register (course registration) for, in a semester is limited to 08 credits in excess of the total mandatory credits allotted in the curriculum for that semester.
- Students registered for a course have to attend the course regularly and undergo the Continuous Internal Evaluation (CIE) and appear for the End Semester Examinations (ESE). Credits for the course are deemed to be earned only on getting at least a pass grade ‘P’ or better in the composite evaluation.
- Pass minimum for a course shall be 40% for the End Semester Examination and 50% of CIE and ESA put together. Letter grade ‘F’ will be awarded to the student for a course if either his/her mark for the End Semester Examination (ESE) is below 40 % or the overall mark [Continuous Internal Evaluation (CIE) + End Semester Examination (ESE)] is below 50 %.
- Students who received F grade in an End Semester Examination shall have to appear for the End Semester Examination at the next opportunity and earn the credits. They shall not be permitted to register for the course again
- Continuous Internal Evaluation mark percentage shall not exceed 30% over the End Semester Examination mark %. CIE marks awarded to a student shall be normalized accordingly. For example if the end semester mark % is 40, then the maximum eligible CIE mark % is $40+30 = 70 \%$.
- Minimum Cumulative Credit Requirements for Registering to Higher Semesters

5th semester - 21 Credits from S1& S2

7th semester - 47 Credits from S1 to S4 . 09 Credits from S3 to S4 for lateral entry

- There is no provision for improving the grade. However, the student is permitted to check the answer books of the End Semester Examination after the results are declared, on payment of the prescribed fee.
- The students can apply for revaluation of the answer books of the end semester examination after the results are declared. The final mark awarded will be the better of the two marks.
- Grade cards shall be made available in the student login for the registered courses, in every semester. On earning the required credits for the degree, the University will issue the final consolidated grade sheet for the B. Tech program including CGPA.
- A student shall earn 2 credits by actively involving in co – curricular and extra – curricular activities as per the guidelines issued by the University from time to time.
- On getting minimum 100 activity points the student passes the course and earns the two credits which shall not be counted for the calculation of CGPA but mandatory for the award of the Degree. For the students admitted under lateral entry scheme the 2 credits shall be considered to be earned on getting 75 activity points. The students are required to keep a file containing documentary proofs of activities done by him/her attested by the Senior Faculty Advisor/ Faculty Advisor.
- *Students are expected to attain 100% attendance for all courses. However, under unavoidable circumstances they are permitted to avail leave. Total leave of absence shall not exceed 25% of the academic contact hours for a course .On medical ground the college Principal can relax the minimum attendance requirement to 60%, to write the end semester examination. This is permitted for one or more courses registered in the semester. Principal shall keep all records which led to his decision on attendance, for verification by the Academic Auditors/ University officials. This provision is applicable only to any two semesters during the entire program period.*
- The Principals are authorized to grant attendance relaxation (duty leave) to the students in officially sponsored national level competitions/championships/ tournaments when called upon to do so, up to a maximum of 10%. Such students should produce the participation certificate countersigned by the University Sports Coordinator/ the Director of Physical Education in the case of sports activities and the Senior Faculty Advisor in the case of other extracurricular activities: within ten days of the event. The participation certificate thus produced shall be forwarded to the Principal with the due recommendation of the respective Head of the Department. Under any circumstances, the principal shall not consider the certificate if the overall attendance of the candidate is less than 60%. Late applications received shall not be considered on any account. The student shall get official prior permission from the University for representing the University.
- The Principals are authorized to grant attendance relaxation (duty leave) to the students for organizing extra/ co-curricular activities, up to a maximum of 05%. Such students should produce the required documents countersigned by the University Sports Coordinator/ the Director of Physical Education in the case of sports activities and the Senior Faculty Advisor in the case of other extra/ co-curricular activities: within ten days of the events. The documents thus produced shall be forwarded to the Principal with the due recommendation of the respective Head of the Department. Under any circumstances, the principal shall not consider the documents, if the overall attendance of the candidate is less than 60%. Late applications received shall not be considered on any account.

Minor in Engineering

- ✓ The Minor in Engineering registration shall be along with the registration of the

3rd semester.

- ✓ If a student fails in any course of the minor, he/she shall not be eligible to continue the B.Tech Minor. However, the additional credits and grades thus far earned by the student shall be included in the grade card but shall not be considered in calculating the CGPA.
- ✓ The student shall earn additional 20 credits, , 12 credits shall be earned by undergoing a minimum of three courses and 8 credits could be acquired through two MOOCs recommended by the Board of studies and approved by the Academic Council.

B. Tech (Honours)

- ✓ All B. Tech students are eligible to register B.Tech (Honours). However, their mandatory CGPA at the end of eighth semester shall be 8.5 or higher to be eligible for the award of B. Tech (Honours).
- ✓ The B. Tech (Honours) registration shall be along with the registration of the 4th semester.
- ✓ If a student fails in any course including the course chosen for B. Tech (Honours), he/she shall not be eligible to continue the B.Tech(Honours). However, the additional credits thus far earned by the student shall be included in the grade card but shall not be considered in calculating the CGPA.
- ✓ The student shall earn additional 20 credits, , 12 credits shall be earned by undergoing a minimum of three courses for Honours and 8 credits could be acquired through two MOOCs recommended by the Board of studies and approved by the Academic Council.

Grace Marks for Sports /Arts Competitions.

- ✓ The criterion for the award of Grace Marks is representing the University in officially sponsored national level competitions/championships/ tournaments when called upon to do so.

2015 admission

- ❖ The curriculum of B. Tech in Civil Engineering is designed to have a minimum of 180 academic credits and 2 additional pass/fail credits, for the award of the degree. Credits are assigned to courses based on the following general pattern.
- ❖ Lectures, Tutorials and Practical are indicated in the curriculum as L - T - P followed by the Credits for them. If L - T - P is 3 - 1- 0 the credit is 4; Likewise for 2 - 0 -2 the credit is 3 and for 0 -0- 3 the credit is 1.
- ❖ The University may allow students to transfer credits they have earned at other Universities and Academic Institutions with its approval.
- ❖ Student Activities Points:In addition to academics, students have to actively engage in co-curricular and extra- curricular activities. Points are allotted for such activities. On getting a minimum of 100 activity points the student passes the course and earns 2 credits. The 2 credits earned as mentioned above are not counted for the CGPA, but is mandatory for the award of the Degree. Details about activity points are mentioned in the later pages
- ❖ It is mandatory for students to register for the courses they want to attend in a semester. Before enrolment, students should clear all dues including any fees to be paid and should not have any disciplinary issues pending. The maximum number of credits a student can register for in a semester is limited to 28.

1. Course Completion and Earning of Credits

- Students registered and later enrolled for a course have to attend the course regularly and meet the attendance rules of the University and appear for all the internal
- Evaluation procedures and end semester examination for the completion of the course. Credits for the course are earned only on getting a pass grade in the composite evaluation (i.e., internal evaluation + end semester exam).
- For students admitted under lateral entry scheme, credits for the first and second semester courses are deemed to have been earned from the Diploma programme. Their eligibility criteria for registering for higher semester courses will be same as that for the B.Tech programme.

2. Contact Courses

If a student has to earn credits only just for one course to qualify for the degree after completing eight semesters of study, the college concerned may offer a contact course on a written request by the student.

The contact course is considered as fresh registration and will be offered by the teacher concerned who shall conduct the internal evaluation procedures and allot the marks as per the regulations. Minimum contact hours for the course will be 20. The final examination will be conducted by the college and will be monitored by the external academic auditor. Question paper for the examination will be given by the Controller of Examination. No grade above **C** will be given for a contact course.

3. Academic Assessment/Evaluation

University follows a continuous academic evaluation procedure. Academic evaluation composes of internal evaluation and end semester examination.

Academic evaluation procedure and corresponding weights are as follows:-

- a) For theory courses: -the maximum marks for internal evaluation and end semester examination for theory courses are fixed as 50 and 100 respectively unless otherwise specified through internal circulars for any particular examination

Internal evaluation marks:

Decision on this will be taken by the Principal and verified by the external academic auditor.

- b) For Laboratory /Practical /Workshop courses
- | | | |
|------|----------------------------|--------------------------------------|
| i) | Practical records /Outputs | 60 marks (Internally by the College) |
| ii) | Regular class Viva | 10 marks (Internally by the College) |
| iii) | Final practical exam | 30 marks (Internally by the College) |

All the above assessments are mandatory to earn credits. ***If not, the student has to***

complete the course/assessments during his free time in consultation with the faculty members. On completion of these, grades will be assigned. In case the Practical / Laboratory/ Workshop courses are not completed in the semester, grade I (incomplete) will be awarded against the course and the final grade will be given only after the completion of the course/ assessments.

c) **Comprehensive Examination**

Comprehensive examination is to be completed in the sixth semester. This examination consists of two parts. Part one a written test and the other an oral one. The written examination will be objective type of 1 hour duration and will have 50 marks and will be conducted by the university.

Chairman of the oral examination board will be a senior faculty in the department and the members include two other faculty members of the department and an external expert from another academic institute or an industry. Oral examination will carry 50 marks.

Both oral and written examinations are mandatory. But separate minimum marks are not insisted for pass. If a student does not complete any of the two assessments, grade I (incomplete) will be awarded and the final grade will be given only after completion of both assessments.

List of courses for objective type examination

Common courses for all branches (10 questions)	
Sl. No.	Courses
1	MA101 Calculus
2	MA102 Differential equations
3	BE100 Engineering Mechanics
4	BE110 Engineering Graphics
5	BE103 Introduction to Sustainable Engineering
6	BE102 Design and Engineering
Branch specific courses(minimum 6 questions from each course)	
7	CE201 Mechanics of Solids
8	CE202 Structural Analysis I
9	CE203 Fluid Mechanics I
10	CE204 Construction Technology
11	CE208 Geotechnical Engineering I
12	CE301 Design of Concrete Structures

d) **Seminar**

Each student has to give a seminar on a professional topic of current interest in consultation with the faculty member in charge of the seminar in the Department. The seminar is to be of 20 minutes duration with another 5 minutes given for questions and answers. Evaluation will be based on the report, seminar presentation as well as on the ability of the student to answer the questions put forward.

Faculty member in charge of the seminar and another faculty member in the department nominated by the Head of the Department are the evaluators for the seminar. Distribution of marks for the seminar is as follows.

Marks for the report	: 30%
Presentation	: 40%
Ability to answer questions on the topic	: 30%

e) Design Project

Each student or a group of students has to take up a design project. The project topic could be arrived at in consultation with any faculty member in the department.

The Evaluation of the project will be done in two stages. Two project progress evaluations each carrying 20 marks and a final report evaluation and presentation of the project for 60 marks.

The project supervisor and two other faculty members from the same or any other department, nominated by the Head of the Department form the evaluation board.

f) **Final Semester Project**

Students, either individually or in a small batch not exceeding four, have to do a project approved by their faculty supervisor.

Evaluation scheme is given below:-

- | | | |
|------|---------------------------------|------------------------------------------|
| i) | Two progress assessments | : 20% by the faculty supervisor/s |
| ii) | Final Project Report | : 30% by the Assessment Board |
| iii) | Project presentation and Viva | : 50% by the Assessment Board |

If the project work is not completed satisfactorily, the student has to put in more work and appear again for assessment on a specified date, not earlier than one month after the first evaluation. If the student fails in the project, a fresh registration for the project for one semester is mandatory.

1. Eligibility for writing the end semester examination and for grading

The main eligibility criteria for appearing the end semester examination are

- (i) minimum 75% attendance in each course,
- (ii) minimum 45% internal marks for each course and
- (iii) no pending disciplinary action.

Students who do not meet the above eligibility criteria are awarded an FE grade and have to register for summer courses, if eligible or for the regular course again at the next opportunity. A student should have a minimum of 45% marks in the end semester examination to be eligible for grading in a course. Otherwise he/she will be considered to have failed in the course and an F grade will be awarded.

Internal marks given to the students who got 45% marks or more in the end semester examination shall be regulated in line with the end semester examination performance.

Internal mark percentage shall not exceed 25% over the end semester mark %.

(For example if the end semester mark % is 45, then the maximum internal mark % is to be 45+25 = 70 %.)

In case the student writes the supplementary examination, the mark got in that will be taken into consideration for regulating the internal marks. Those who have more than 45% marks in the end semester examination are awarded the grade based on both internal assessment and end semester examination marks.

A student earns credits for a course if the grade is P or above.

2. Award of Grades

Grading is based on the % marks obtained by the student in a course. The grade card will only give the grades against the courses the student has registered. Semester grade card will give the grade for each registered course, Semester Grade Point Average (SGPA) for the semester as well as Cumulative Grade Point Average (CGPA) up to that semester

3. Grades and grade points

Grades and Grade Points as per UGC guidelines will be followed by the University

Grades	Grade Point (GP)	% of Total Marks obtained in the course
--------	------------------	-----------------------------------------

O	(Outstanding)	10	90% and above
A ⁺	(Excellent)	9	85% and above but less than 90%
A	(Very Good)	8.5	80% and above but less than 85%
B ⁺	(Good)	8	70% and above but less than 80%
B	(Above Average)	7	60% and above but less than 70%
C	(Average)	6	50% and above but less than 60%
P	(Pass)	5	45% and above but less than 50%
F	(Fail)	0	Less than 45%
FE		0	Failed due to eligibility criteria
I			Course Incomplete

SGPA and CGPA are calculated based on the above grading norms and are explained at the later pages.

4. Eligibility for promotion to higher semesters

Minimum Cumulative Credit Requirements for Registering to Higher Semesters

5th semester - 26 Credits from S1 & S2

7th semester - 52 Credits from S1 to S4

5. Revaluation and Grade Improvement

There is no provision for improving the grades. The student can apply for revaluation of the end semester examination after the results are published. The final mark awarded will be the better of the two marks. If the difference in marks obtained in revaluation and the original valuation is more than 15% of the maximum marks, it will be sent for third valuation. The final mark will then be the average of the closer of the two marks obtained in the three valuations to the advantage of the student or the mark obtained in the original evaluation whichever is higher. If 15% or more improvement is there in the revaluation, the fee collected will be refunded.

6. Academic Calendar.

The academic calendar for every academic semester will be published by the University in its website. It indicates the commencement of the semester, date of beginning of instruction, the course registration and enrolment dates, the schedule for *mandatory internal tests for theory courses*, dates of completion of laboratory/practical evaluations, date for finalization of internal marks, last instruction day in the semester, planned schedule of end semester examinations and result declaration as well as approved holidays falling within the semester.

7. Discipline

Every college will have a Student's Welfare Committee and a Disciplinary Action Committee (DAC), constituted by the Principal of the college. Each college will have a Grievance Redress and Appeals Committee constituted by the Principal to address the grievances of the students and to consider their appeals on any decisions made by the college.

Breach of guidelines and unfair practices in Examinations will be viewed seriously and appropriate actions will be taken by the colleges.

8. Academic Malpractices

Every student is required to observe discipline and decorous behaviour. Any act of indiscipline, misbehavior and unfair practice in examinations will be referred to the Disciplinary Action Committee (DAC). Malpractices in examinations will be viewed seriously and any such incident observed or reported by a faculty member or an invigilator associated with the examinations will be reported to the Principal who in turn will refer it to DAC. On the basis of the report and evidence available or gathered, **DAC shall immediately initiate an enquiry giving the concerned student a chance to explain his/her case.** Based on this the committee will recommend the course of action in line with the guidelines formulated for this by the Controller of Examination of the University and forward it to the Principal for action.

The student can appeal to the Grievances and Appeals Committee for a relook on the matter. Based on the committee's report, the Principal will take a final decision on the matter.

DAC will be headed by a department head and will have three other faculty members drawn from different departments as members. In case of malpractices in end semester examinations, the report given by the college DAC and the action taken by the Principal will be intimated to the Controller of Examination of the University

9. Rules on Attendance

Attendance is marked for each course. While 75% attendance is mandatory for writing the end semester examination in that course, students are expected to have 100% attendance. However under unavoidable circumstances students are permitted to take leave. Leave is normally sanctioned for any approved activity taken up by students outside the college covering sports and other extracurricular activities. Leave shall be

allowed to the students participating in sports and other extracurricular activities representing the University or the State. The minimum attendance required for appearing the end semester examination of each course will be 75% (as prevailing in existing Ordinance). The Principals are authorized to grant relaxation to the students participating in sports / extracurricular activities representing the University or the State up to a maximum of 10%. Such students should produce the participation certificate countersigned by the University Sports Coordinator / the Director of Physical Education in the case of sports activities and the Faculty Advisor in the case of other extracurricular activities; within ten days of the event to the respective Head of Department and then to the Principal. Under any circumstances, the certificate will not be considered if the overall attendance of the candidate is less than 65%.

Leave is also permitted on medical grounds or on personal exigencies. In case of long illness or major personal tragedies / contingencies the College Principal can relax the minimum attendance requirement to 60%, to write the end semester examination. This is permitted for one or more courses registered in the semester. Principal shall keep all records which led to his decision on attendance, for verification by the Academic Auditor. However this concession is applicable only to any two semesters during the entire programme. In case of prolonged illness, break of study is permitted.

10. Leave of Absence

Students who want to take leave have to submit a leave letter to the teacher conducting the course. For medical leave over three days, medical certificate indicating the need for leave is required. After any medical leave exceeding five instruction days, on re-joining, the student has to produce the fitness certificate given by the doctor.

11. Eligibility for Award of Degree

The award of B.Tech/B.Tech (Honours) degree will be based on the recommendation of the Academic Committee and the approval of the Board of Governors and in accordance with the academic regulations.

A student will be eligible for the award of B.Tech Degree on satisfying the following requirements

- (i) Earned credits for all core courses and the Project.
- (ii) Earned the required minimum credits as specified in the curriculum for the branch of study.
- (iii) No pending disciplinary action.

12. Calculation of SGPA/CGPA

Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA) are calculated as follows:

$$SGPA = \Sigma(C_i \times GP_i) / \Sigma C_i$$

where C_i is the credit assigned for a course and GP_i is the grade point for that course. Summation is done for all courses registered by the student in the semester. Here the failed courses are also accounted.

$$CGPA = \Sigma(C_i \times GP_i) / \Sigma C_i$$

where C_i is the credit assigned for a course and GP_i is the grade point for that course. Summation is done for all courses registered by the student during all the semesters for which the CGPA is needed. Here the failed courses are also accounted.

CGPA of all courses passed may also be given.

CGPA for the B. Tech programme is arrived at by considering all course credits that are needed for the degree and their respective grade points.

Conversion of GPA to percentage

A general formula for conversion of SGPA/CGPA into percentage of marks cannot be defined. However, several students request for percentage of marks, as in many cases they have to provide

% of marks. The Academic committee has approved an approximate formula for conversion of SGPA/CGPA to % marks as follows.

$$\text{The Percentage Marks (\% Marks)} = 10 \times G - 3.75$$

Where G is SGPA
or CGPA

C Student Activity Points

Apart from technical knowledge and skills, to be successful as professionals, students should have excellent soft skills, leadership qualities and team spirit. They should have entrepreneurial capabilities and societal commitment. In order to nurture these qualities, KTU has introduced activity points to be earned by the students during their academic stay at the University covering extra-curricular and co-curricular activities. All students have to earn a minimum of 100 activity points from various activity segments listed to qualify for the B.Tech degree. Two credits are given for this on a pass/ fail basis and is mandatory for getting the B.Tech Degree. As no grade is given for these two credits, they are not included in the CGPA calculation. For lateral entry students joining from the third semester, the activity point requirement is 75. Points earned by the student will be indicated in the consolidated academic statement. Colleges shall consolidate the activity points earned by students on a semester basis and enter the consolidated points on an academic year basis in the KTU portal. In case of NSS and NCC, points can be entered after the completion of two-year Programme. The portal for this will only be open for a specific time period. All documental proof for awarding the activity points should be obtained and kept with the college authorities to be verified by the Academic Auditor.

The main activity segments are as given below:-

National Initiatives

Sports & Games

Cultural Activities

Professional Self Initiatives

Entrepreneurship and Innovation

Leadership & Management

The following table gives the list of activities under each of these segments, the level of achievement expected, activity points, evidence needed to assign the points and the minimum duration needed for certain activities. Additional activities falling under these segments can be considered, if requested by the college with full details. However this has to be approved by the Academic Committee of the KTU.

Activity Head	Sl. No	Activity	Achievement Levels and Assigned Activity Points					** Approval Document	Max. Points	Min. Duration of activity	
		*Level	I	II	III	IV	V				
National Initiatives Participation	1	N C C	-	-	-	-	-	a/b	60	2 Years	
	2	N S S	-	-	-	-	-	a/b	60	2 Years	
	For C certificate / outstanding performance supported by certification, additional marks upto 20 can be provided subjected to maximum limit of 80 points Best NSS Volunteer Awardee (University level) / Participation in National Integration Camp/ Pre Republic Day Parade Camp (South India), supported by certification, additional marks upto 10 can be provided subjected to maximum limit of 70 points Best NSS Volunteer Awardee (State / National level) / Participation in Republic Day Parade Camp / International Youth Exchange Programme, supported by certification, additional marks upto 20 can be provided subjected to maximum limit of 80 points										
Sports & Games Participation	3	Sports:	8	15	25	40	60	a	60	1 Year	
	4	Games	8	15	25	40	60	a	60	1 Year	
		First Prize	10	10	10	20	20	Additional points can be provided for winning. The maximum limit for activity points is 60. But for Level IV and V winning, the maximum point limit is enhanced to 80			
		Second Prize	8	8	8	16	16				
		Third Prize	5	5	5	12	12				
Cultural Activities Participation	5	Music	8	12	20	40	60	a	60	1 Year	
	6	Performing arts	8	12	20	40	60	a	60	1 Year	
	7	Literary arts	8	12	20	40	60	a	60	1 Year	
		First Prize	10	10	10	20	20	Additional points can be provided for winning. The maximum limit for activity points is 60. But for Level IV and V winning, the maximum point limit is enhanced to 80			
		Second Prize	8	8	8	16	16				
		Third Prize	5	5	5	12	12				
Professional Self Initi	8	Tech Fest, Tech Quiz	10	20	30	40	50	a	50		
	9	MOOC with final assessment certificate	50					a	50		
	10	Competitions conducted by Professional Societies - (IEEE, IET, ASME, SAE,NASA etc.)			10	15	20	30	40	a	40
	11	Attending Full time Conference/ Seminars / Exhibitions/ Workshop/ STTP conducted at IITs			20				a	40	
	12	Paper presentation/ publication at IITs/NITs			30				a	40	
	Additional 10 points for certificate of recognition.										

	13	Poster Presentation at IITs /NITs		20		a	30
		Additional 10 points for certificate of recognition.					
	14	Industrial Training/ Internship (atleast for 5 full days)		20		a/b	20
	15	Industrial/Exhibition visits		5		a/b/d	10
	16	Foreign Language Skill (TOFEL/ IELTS/BEC exams etc.)		50		a	50
Entrepreneur	17	Start-up Company – Registered legally		60		d	60
	18	Patent-Filed		30		d	60
	19	Patent - Published		35		d	60
	20	Patent- Approved		50		d	60
	21	Patent- Licensed		80		d	80
	22	Prototype developed and tested	60			d	60
	23	Awards for Products developed	60			d	60
	24	Innovative technologies developed and used by industries/users	60			d	60
	25	Got venture capital funding for innovative ideas/products.	80			d	80
	26	Startup Employment (Offering jobs to two persons not less than Rs. 15000/- per month)	80			d	80
	27	Societal innovations	50			d	50
Leadership & Management			Core coordinator	Sub coordinator	Volunteer		
	28	Student Professional Societies (IEEE, IET, ASME, etc.)	15	10	5	d	40
	29	College Association Chapters, Civil, etc.)	15	10	5	d	40
	30	Festival & Technical Events (College approved)	15	10	5	d	40
	31	Hobby Clubs	15	10	5	d	40
	32	Special Initiatives (Approval from College and University is mandatory)	15	10	5	d	40
	33	Elected student representatives	30 (Chairman)	25 (Secretary)	15 (Other Council Members)	d	

*Level I College Events, *Level II Zonal Events

*Level III State/ University Events *Level IV National Events

*Level V International Events

**Approval Documents: (a) Certificate (b) Letter from Authorities (c) Appreciation recognition letter (d) Documentary evidence (e) Legal Proof (f) Others

Curriculum B.Tech Degree Semesters I to II (2019 admission)

Semester 1

Course Code	Course Name	L-T-P	Credits	Exam Slot
MAT 101	Linear Algebra And Calculus	3-1-0	4	A
PHT 110	Engineering Physics B	3-1-0	4	B
EST 110	Engineering Graphics	2-0-2	3	C
EST 130	BASICS OF ELECTRICAL & ELECTRONICS ENGINEERING	4-0-0	4	D
HUN 101	LIFE SKILLS	2-0-2	Nil	E
PHL 120	ENGINEERING PHYSICS LAB	0-0-2	1	S
ESL 130	ELECTRICAL & ELECTRONICS WORKSHOP	0-0-2	1	T
	Semester 2			
Course Code	Course Name	L-T-P	Credits	Exam Slot
MAT 102	VECTOR CALCULUS, DIFFERENTIAL EQUATIONS AND TRANSFORMS	3-1-0	4	A
CYT100	ENGINEERING CHEMISTRY	3-1-0	4	B
EST 100	ENGINEERING MECHANICS	2-1-0	3	C
EST 120	BASICS OF CIVIL & MECHANICAL ENGINEERING	4-0-0	4	D
HUN 102	PROFESSIONAL COMMUNICATION	2-0-2	Nil	E
EST 102	PROGRAMMING IN C	2-1-2	4	F
CYL 120	ENGINEERING CHEMISTRY LAB	0-0-2	1	S
ESL 120	CIVIL & MECHANICAL WORKSHOP	0-0-2	1	T

Curriculum B.Tech Degree Semesters III to VIII (2015 admission)



SEMESTER - 3

Course Code	Course Name	L-T-P	Credits	Exam Slot
MA201	Linear Algebra & Complex Analysis	3-1-0	4	A
CE201	Mechanics of Solids	3-1-0	4	B
CE203	Fluid Mechanics– I	3-1-0	4	C
CE205	Engineering Geology	3-0-1	4	D
CE207	Surveying	3-0-0	3	E
HS200/	Business Economic	3-0-0/	3	F
CE231	Civil Engineering Drafting Lab	0-0-3	1	S
CE233	Surveying Lab	0-0-3	1	T

Total Credits = 24

Hours: 28/29

Cumulative Credits= 71

SEMESTER - 4

Course Code	Course Name	L-T-P	Credits	Exam Slot
MA202	Probability Distributions, Transforms and Numerical Methods	3-1-0	4	A
CE202	Structural Analysis- I	3-1-0	4	B
CE204	Construction Technology	4-0-0	4	C
CE206	Fluid Mechanics- II	3-0-0	3	D
CE208	Geotechnical Engineering- I	3-0-0	3	E
HS210/ HS200	Life Skills/Business Economics	2-0-2/ 3-0-0	3	F
CE232	Materials Testing Lab I	0-0-3	1	S
CE234	Fluid Mechanics Lab	0-0-3	1	T

Total Credits = 23

Hours 28/27

Cumulative Credits= 94

SEMESTER - 5

Course Code	Course Name	L-T-P	Credits	Exam Slot
CE301	Design of Concrete Structures I	3-1-0	4	A
CE303	Structural Analysis- II	3-0-0	3	B
CE305	Geotechnical Engineering- II	3-0-0	3	C
CE307	Geomatics	3-0-0	3	D
CE309	Water Resources Engineering	3-0-0	3	E
	Elective 1	3-0-0	3	F
CE341	Design Project	0-1-2	2	S
CE331	Materials Testing Lab II	0-0-3	1	T
CE333	Geotechnical Engineering Lab	0-0-3	1	U

Total Credits = 23

Hours: 28

Cumulative Credits= 117

Elective 1:-

1. CE361 Advanced Concrete Technology
2. CE363 Geotechnical Investigation
3. CE365 Functional Design of Building
4. CE367 Water Conveyance Systems
5. CE369 Disaster Management
6. CE371 Environment and Pollution
7. CE 373 Advanced Mechanics of Materials

SEMESTER - 6

Course Code	Course Name	L-T-P	Credits	Exam Slot
CE302	Design of Hydraulic Structures	4-0-0	4	A
CE304	Design of Concrete Structures II	3-0-0	3	B
CE306	Computer Programming and Computational Techniques	3-0-0	3	C
CE308	Transportation Engineering- I	3-0-0	3	D
HS300	Principles of Management	3-0-0	3	E
	Elective 2	3-0-0	3	F
CE332	Transportation Engineering Lab	0-0-3	1	S
CE334	Computer Aided Civil Engineering Lab	0-0-3	1	T
CE352	Comprehensive Exam	0-1-1	2	U

Total Credits = 23

Hours:27

Cumulative Credits= 140

Elective 2:-

1. CE362 Ground Improvement Techniques
2. CE364 Advanced Foundation Engineering
3. CE366 Traffic Engineering and Management
4. CE368 Prestressed Concrete
5. CE372 Engineering Hydrology
6. CE374 Air Quality Management

SEMESTER - 7

Course Code	Course Name	L-T-P	Credits	Exam Slot
CE401	Design of Steel Structures	4-0-0	4	A
CE403	Structural Analysis- III	3-0-0	3	B
CE405	Environmental Engineering- I	3-0-0	3	C
CE407	Transportation Engineering -II	3-0-0	3	D
CE409	Quantity Surveying and Valuation	3-0-0	3	E
	Elective 3	3-0-0	3	F
CE451	Seminar & Project Preliminary	0-1-4	2	S
CE431	Environmental Engineering Lab	0-0-3	1	T

Total Credits = 22

Hours: 27

Cumulative Credits= 162

Elective 3:-

1. CE461 Wave Hydrodynamics and Coastal Engineering
2. CE463 Bridge Engineering
3. CE465 Geo-Environmental Engineering
4. CE467 Highway Pavement Design
5. CE469 Environmental Impact Assessment
6. CE471 Advanced Structural Design
7. CE473 Advanced Computational Techniques and Optimization

SEMESTER - 8

Course Code	Course Name	L-T-P	Credits	Exam Slot
CE402	Environmental Engineering II	3-0-0	3	A
CE404	Civil Engineering Project Management	3-0-0	3	B
	Elective 4	3-0-0	3	C
	Elective 5 (Non Departmental)	3-0-0	3	D
CE492	Project		6	S

Total Credits = 18

Hours: 30

Cumulative Credits= 180

Elective 4:-

1. CE462 Town and Country Planning
2. CE464 Reinforced Soil Structures and Geosynthetics
3. CE466 Finite Element Methods
4. CE468 Structural Dynamics and Earthquake Resistant Design
5. CE472 Transportation Planning
6. CE474 Municipal Solid Waste Management

ELECTIVE 5 (NON DEPARTMENTAL ELECTIVE COURSES)

1. AO482	FLIGHT AGAINST GRAVITY
2. AE482	INDUSTRIAL INSTRUMENTATION
3. AE484	INSTRUMENTATION SYSTEM DESIGN
4. AU484	MICROPROCESSOR AND EMBEDDED SYSTEMS
5. AU486	NOISE, VIBRATION AND HARSHNESS
6. BM482	BIOMEDICAL INSTRUMENTATION
7. BM484	MEDICAL IMAGING & IMAGE PROCESSING TECHNIQUES
8. BT461	DESIGN OF BIOLOGICAL WASTEWATER SYSTEMS
9. BT362	SUSTAINABLE ENERGY PROCESSES
10. CH482	PROCESS UTILITIES AND PIPE LINE DESIGN
11. CH484	FUEL CELL TECHNOLOGY
12. CS482	DATA STRUCTURES
13. CS484	COMPUTER GRAPHICS
14. CS486	OBJECT ORIENTED PROGRAMMING
15. CS488	C # AND .NET PROGRAMMING
16. EE482	ENERGY MANAGEMENT AND AUDITING
17. EE484	CONTROL SYSTEMS
18. EE486	SOFT COMPUTING
19. EE488	INDUSTRIAL AUTOMATION
20. EE494	INSTRUMENTATION SYSTEMS
21. EC482	BIOMEDICAL ENGINEERING
22. FT482	FOOD PROCESS ENGINEERING
23. FT484	FOOD STORAGE ENGINEERING
24. FT486	FOOD ADDITIVES AND FLAVOURING
25. IE482	FINANCIAL MANAGEMENT
26. IE484	INTRODUCTION TO BUSINESS ANALYTICS
27. IE486	DESIGN AND ANALYSIS OF EXPERIMENTS
28. IE488	TOTAL QUALITY MANAGEMENT
29. IC482	BIOMEDICAL SIGNAL PROCESSING
30. IT482	INFORMATION STORAGE MANAGEMENT
31. MA482	APPLIED LINEAR ALGEBRA
32. MA484	OPERATIONS RESEARCH
33. MA486	ADVANCED NUMERICAL COMPUTATIONS
34. MA488	CRYPTOGRAPHY
35. ME484	FINITE ELEMENT ANALYSIS (CE 466 FINITE ELEMENT METHODS)
36. ME482	ENERGY CONSERVATION AND MANAGEMENT
37. ME471	OPTIMIZATION TECHNIQUES (CE 473 ADVANCED COMPUTATIONAL TECHNIQUES AND OPTIMISATION)
38. MP482	PRODUCT DEVELOPMENT AND DESIGN
39. MP469	INDUSTRIAL PSYCHOLOGY & ORGANIZATIONAL BEHAVIOUR
40. MT482	INDUSTRIAL SAFETY
41. MR482	MECHATRONICS
42. FS482	RESPONSIBLE ENGINEERING
43. SB482	DREDGERS AND HARBOUR CRAFTS
44. HS482	PROFESSIONAL ETHICS



ACADEMIC CALENDAR ODD SEMESTER 2019-20 odd semester

DEPARTMENT OF CIVIL ENGINEERING

VIMAL JYOTHI ENGINEERING COLLEGE, CHEMPUR



Jul-19				Aug-19				Sep-19			
Days	Date	Description		Days	Date	Description		Days	Date	Description	TI
Mon	1			Thu	1	Commencement of B.Tech & M.Tech	1	Sun	1		
Tue	2			Fri	2		2	Mon	2	Project evaluation s5 Design & s7	19
Wed	3			Sat	3			Tue	3		20
Thu	4	Departmental newsletter		Sun	4			Wed	4	Departmental newsletter	21
Fri	5			Mon	5		3	Thu	5		22
Sat	6			Tue	6		4	Fri	6	RA - 1 st Internal ,1 st nd Class/Course committee meeting-	23
Sun	7			Wed	7		5	Sat	7	Onam Celebrations	
Mon	8			Thu	8		6	Sun	8		
Tue	9			Fri	9		7	Mon	9	Muharram	
Wed	10			Sat	10	Retreat for Catholic students		Tue	10	First Onam	
Thu	11			Sun	11	Retreat for Catholic students		Wed	11	Thiruvonam	
Fri	12			Mon	12	Commencement of booster classes for all batches	8	Thu	12	Third Onam	
Sat	13			Tue	13		9	Fri	13	Fourth Onam	
Sun	14			Wed	14	1st Class/Course committee meeting-	10	Sat	14		
Mon	15			Thu	15	Independence Day		Sun	15		
Tue	16			Fri	16		11	Mon	16	PTA Meeting starts	24
Wed	17			Sat	17		12	Tue	17		25
Thu	18			Sun	18			Wed	18		26
Fri	19			Mon	19		13	Thu	19	PTA Meeting Ends	27
Sat	20			Tue	20		14	Fri	20	Second internal test	
Sun	21			Wed	21		15	Sat	21	Sree Narayana Guru Samadhi Day	
Mon	22	Induction Programe s1		Thu	22		16	Sun	22		
Tue	23			Fri	23	Sree Krishna Jayanthi		Mon	23	Second internal test	
Wed	24	KTU Exam Ends		Sat	24			Tue	24	Second internal test	
Thu	25			Sun	25			Wed	25		28
Fri	26			Mon	26	Is'internal		Thu	26		29
Sat	27			Tue	27	Is'internal		Fri	27		30
Sun	28			Wed	28	Birthday of Ayyankali		Sat	28	Last day- completion sports Meet	
Mon	29		1	Thu	29	Is'internal		Sun	29		
Tue	30		2	Fri	30		17	Mon	30		31
Wed	31	Karkidakavavu		Sat	31	Project evaluation s5 Design & s7 Charity pilgrim for S1 students, Value	18				



ACADEMIC CALENDAR ODD SEMESTER 2019-20 odd semester

DEPARTMENT OF CIVIL ENGINEERING

VIMAL JYOTHI ENGINEERING COLLEGE, CHEMPERI



Oct-19				Nov-19				Dec-19			
Days	Date	Description	T1	Days	Date	Description	T4/T5	Days	Date	Description	T2
Tue	1	Exam Registration ends	32	Fri	1		51	Sun	1		
Wed	2	Gandhi Jayanrhi		Sat	2		52	Mon	2	Last Date Uploading attend.& mark s3.S5 , s7 & Mtech	
Thu	3		33	Sun	3			Tue	3		
Fri	4	completion II'nd Project evaluation s5& s7	34	Mon	4	Departmental newsletter	53	Wed	4	s7 Exam s3 PG begins	
Sat	5	72 hours Industrial visit for S3, S5 & S7		Tue	5	S5 Design and s7 Project Final Evaluation - Last Date	54	Thu	5	s3 UG ans s1 PG exam begins	
Sun	6			Wed	6		55	Fri	6	s5 Exam begins	
Mon	7	Mahsanavami		Thu	7		56	Sat	7		
Tue	8	Vijayadasami		Fri	8	4'th internal test		Sun	8		
Wed	9	RA Second internal test	35	Sat	9			Mon	9		
Thu	10		36	Sun	10			Tue	10		
Fri	11		37	Mon	11	4'th internal test		Wed	11		
Sat	12	Alumni meet 2019-Oruvattom koodi 2019		Tue	12	4'th internal test		Thu	12		
Sun	13			Wed	13		57	Fri	13		
Mon	14		38	Thu	14		58	Sat	14		
Tue	15		39	Fri	15	class ends & RA s1	59	Sun	15		
Wed	16		40	Sat	16		60	Mon	16	Commencement of s2 B.Tech	1
Thu	17		41	Sun	17			Tue	17		2
Fri	18	3'rd internal test		Mon	18		61	Wed	18		3
Sat	19	3'rd internal test		Tue	19	start Date Uploading attend.& mark s1	62	Thu	19		4
Sun	20			Wed	20	Course team for internal finalization	63	Fri	20		5
Mon	21	3'rd internal test	49	Thu	21	Publication of Internal marks	64	Sat	21	Christmas vacation begins	
Tue	22		42	Fri	22	Last Date Uploading attend.& mark s1	65	Sun	22		
Wed	23		43	Sat	23			Mon	23		
Thu	24		44	Sun	24			Tue	24		
Fri	25	Last day for Lab exam to be completed	45	Mon	25	class ends		Wed	25	Christmas	
Sat	26			Tue	26	Start Date Uploading attend.& mark s3.S5, s7 & MTech		Thu	26		
Sun	27	Deepavali		Wed	27			Fri	27		
Mon	28	III'rd Class/Course committee meeting-	46	Thu	28			Sat	28		
Tue	29		47	Fri	29			Sun	29		
Wed	30		48	Sat	30			Mon	30		6
Thu	31		49					Tue	31		7



DEPARTMENT OF CIVIL ENGINEERING
VIMAL JYOTHI ENGINEERING COLLEGE, CHEMPERI
Academic Calendar - Jan 2020 – Jun 2020
(B.Tech, M.Tech,)



Jan-19				Feb-19				Mar-19			
Days	Date	Description	Class	Days	Date	Description	Class	Days	Date	Description	Class
Wed	1			Sat	1	Uty Athletic Meet	17	Sun	1	Sunday	
Thu	2	Mannam Jayanti		Sun	2	Sunday		Mon	2	Internal2-1.5 to 3 Module	39
Fri	3			Mon	3	Internal 1- 1.5 Module	18	Tue	3	internal 2-1.5 to 3 Module	40
Sat	4			Tue	4	Internal 1- 1.5 Module	19	Wed	4	Test 1 to be completed - 2module*	41
Sun	5	Sunday		Wed	5	Internal 1- 1.5 Module	20	Thu	5		42
Mon	6			Thu	6		21	Fri	6		43
Tue	7			Fri	7		22	Sat	7		44
Wed	8			Sat	11	Second Saturday		Sun	8	Sunday	
Thu	9			Sun	9	Sunday		Mon	9		45
Fri	10			Mon	10		23	Tue	10		46
Sat	11	Second Saturday		Tue	11		24	Wed	11		47
Sun	12	Sunday		Wed	12		25	Thu	12		48
Mon	13	Commencement of Class & Registration	1	Thu	13		26	Fri	13		49
Tue	14		2	Fri	14		27	Sat	14	Second Saturday	
Wed	15		3	Sat	15	Sports DAY	28	Sun	15	Sunday	
Thu	16		4	Sun	16	Sunday		Mon	16		50
Fri	17		5	Mon	17	Arts Day	29	Tue	17		51
Sat	18		6	Tue	18	Exam Registration & FE Reg begins	30	Wed	18		52
Sun	19	Sunday		Wed	19	RA internal 1	31	Thu	19		53
Mon	20	Course selection, reg and mapping begins	7	Thu	20		32	Fri	20		54
Tue	21		8	Fri	21	Maha Shivaratri		Sat	21		55
Wed	22		9	Sat	22	Fourth Saturday		Sun	22	Sunday	
Thu	23		10	Sun	23	Sunday		Mon	23	Internl 3-3 to 4.5 Module	56
Fri	24		11	Mon	24		33	Tue	24	Internal 3-3 to 4.5 Module	57
Sat	25	Fourth Saturday		Tue	25		34	Wed	25	Internal 3-3 to 4.5 Module	58
Sun	26	Republic Day		Wed	26		35	Thu	26		59
Mon	27		12	Thu	27		36	Fri	27		60
Tue	28		13	Fri	28		37	Sat	28	Fourth Saturday	
Wed	29	Course selection, registration and mapping ends	14	Sat	29		38	Sun	29	Sunday	
Thu	30	Uty Athletic Meet	15					Mon	30		61
Fri	31	Uty Athletic Meet	16					Tue	31		62

VIMAL JYOTHI ENGINEERING COLLEGE, CHEMPERI

Academic Calendar - Jan 2019 – JUNE 2019

(B.Tech, M.Tech,)

April - 2020				May - 2020				June -2020			
Days	Date	Description	Clas	Days	Date	Description	Clas	Days	Date	Description	Clas
Wed	1		63	Fri	1	May Day		Mon	1		
Thu	2		64	Sat	2			Tue	2		
Fri	3		65	Sun	3			Wed	3		
Sat	4		66	Mon	4	IA marks and attendance to Uty		Thu	4	Viva Voce begins PG	
Sun	5	Palm Sunday		Tue	5			Fri	5	Last date for uploading Viva voce marks(UG	
Mon	6		67	Wed	6			Sat	6		
Tue	7		68	Thu	7			Sun	7		
Wed	8	Hoilday for the College		Fri	8			Mon	8		
Thu	9	Maundy Thursday		Sat	9			Tue	9		
Fri	10	Good Friday		Sun	10			Wed	10		
Sat	11	Holy Saturday		Mon	11	B.Tech S6 (R&S) Exams Begins		Thu	11		
Sun	12	Easter		Tue	12	B.Tech S8 /S1S2(2019 Scheme)/ S2 PG Exams Begins		Fri	12		
Mon	13	Hoilday for the College		Wed	13			Sat	13		
Tue	14	Vishu		Thu	14			Sun	14		
Wed	15		69	Fri	15			Mon	15		
Thu	16	Test 2 to be completed - 4cmodule*	70	Sat	16			Tue	16		
Fri	17	Last date for evaluation of practicals(PG) Internal 4	71	Sun	17			Wed	17	Last date for uploading Viva voce marks(PG)	
Sat	18	Internal 4	72	Mon	18			Thu	18		
Sun	19			Tue	19	B.Tech S4 Exam Begins		Fri	19		
Mon	20	Internal 4	73	Wed	20	B.Tech S1S2 (2015 Scheme) Exam Begins		Sat	20	Second Saturday	
Tue	21		74	Thu	21			Sun	21	Sunday	
Wed	22	Publish IA marks for UG & PG	75	Fri	22			Mon	22		
Thu	23	Last date for int.project evaluation (S8 B.Tech)	76	Sat	23	B.Tech S8 Honors		Tue	23		
Fri	24	Project Evaluation by department Committee(PG)	77	Sun	24			Wed	24		
Sat	25	Working day in lieu of 8th April for the college	78	Mon	25	Project evaluation & Viva Voce begins (S8)		Thu	25		
Sun	26	Sunday		Tue	26			Fri	26		
Mon	27		79	Wed	27			Sat	27		
Tue	28	Class Ends- Publish attendance for all programs	80	Thu	28			Sun	28		
Wed	29	Commencement of summer course(S1-S4, 2015 scheme)		Fri	29			Mon	29		
Thu	30			Sat	30	B.Tech S6 Honors		Tue	30		
				Sun	31						

COLLEGE BUS DETAILS

Bus No.1

Cherupuzha—Manjakkad—Peringala—Therthalli—Rayarom—Nellippara—Alakkode—
Karuvanchal—Vayattuparamba—Pothukundu—Naduvil—Chempanthotti—
Karayathumchal—Puranjaan—Chemperi—VJEC

Bus No.2

Peravoor—Kakkayangad--Haji road—Iritty—Thamthode—Puthusseri—Chulliyode—
Ulikkal-Nuchiyad—Chamathachal—Payyavoor—VJEC

Bus No.3

Kanhirangad—Poovam--Thettunna road—Oduvally—Vilakkannur—Naduvil—Mandalam—
Venkunu—Pulikurumba—Chemperi—VJEC

Bus No.4

Mambaram—Vannanmetta—Anjarakkandy—Panayathamparamba—Chalode—
Nayattupara—Kolappa—Kottoor—Koottumugham—VJEC

Bus No.5 Payyannur—Ezhilode—Pilathara—Pariyaram—Embate-
Kuppam- VJEC

VJEC Bus No.6

Melechovva—Varam—Echoor—Koodali—Irikkoor—Peruvalathuparamba—
Kaniyarvayal—VJEC

Bus No 8

Bekkalam—Thaliparamba—Kurumathur—Valakkai—Chengalai—Sreekandapuram—VJEC

Bus No.9

Kannur—Melechovva—Varam—Chalode—Irikkur—Peruvalathuparamba—VJEC

Bus No.10

Sarang junction—Valapattanam—Mangad—Dharmasala—Kolmetta—VJEC

Bus No.11

Chalode—Nayattupara—Kolappa—Kottoor—koottumugham—VJEC

BUS TIMINGS

(from VJEC)

KANNUR		THALIPARAMBU		CHERUPUZZHA		KUDIYANMALA		MANANTHAVADY		IRITTY			
6.40	AM	5.40	AM	6.30	AM	4.00	AM	8.20	AM	6.15	AM		
7.40	AM	6.40	AM	7.15	AM	8.50	AM	8.45	AM	7.30	AM		
10.05	AM	7.00	AM	7.45	AM	11.05	AM	4.30	PM	7.45	AM		
1.10	PM	7.45	AM	8.15	AM	12.35	PM	5.00	PM	8.15	AM		
3.30	PM	8.25	AM	9.35	AM	2.05	PM			8.40	AM		
4.15	PM	8.35	AM	10.10	AM	3.25	PM			8.50	AM		
		9.00	AM	11.15	AM	5.15	PM	KASARGOD		9.30	AM		
VELLARIKUNDU		9.30	AM	11.40	AM	5.40	PM	7.15	AM	10.00	AM		
9.00	AM	9.45	AM	12.35	PM	5.50	PM	9.30	AM	10.25	AM		
9.30	AM	10.10	AM	1.20	PM	6.30	PM	1.15	PM	10.45	AM		
11.30	AM	10.40	AM	2.20	PM					11.00	AM		
3.00	PM	11.00	AM	3.05	PM	CHEEKKAD		ETTUPARA		11.20	AM		
		11.15	AM	3.30	PM	5.50	PM	7.45	AM	11.45	AM		
KONNAKKAD		11.50	AM	3.50	PM			8.10	AM	12.30	PM		
7.50	AM	12.25	PM	4.00	PM	MANIPAL		8.45	AM	1.10	PM		
2.10	PM	12.45	PM	4.25	PM	9.30	AM	9.40	AM	1.40	PM		
3.50	PM	1.10	PM	5.15	PM			9.50	AM	2.20	PM		
		1.30	PM	6.20	PM			11.50	AM	3.30	PM		
PANATHUR		2.10	PM					12.30	PM	3.45	PM		
1.10	PM	3.15	PM					SULTHAN BATHERY		2.00	PM	4.20	PM
4.00	PM	3.35	PM					3.00	PM	3.10	PM	4.40	PM
		3.45	PM							4.00	PM	5.00	PM
		4.10	PM					PALA		4.50	PM	5.45	PM
		4.15	PM	BANGLORE		5.20	PM	5.50	PM	6.00	PM		
THALASSERY		4.25	PM	7.30	AM	5.30	PM	6.35	PM	7.30	PM		
3.20	PM	4.50	PM	11.10	AM	5.45	PM	7.45	PM	9.00	PM		
6.00	PM	5.30	PM	7.30	PM	6.00	PM	8.15	PM				
1.00	AM	6.25	PM	9.30	PM	7.00	PM	9.10	PM				

CIVIL ENGINEERING LABORATORY FACILITIES



