

STUDENTS HANDBOOK

2022-23



DEPARTMENT OF CIVIL ENGINEERING
VIMAL JYOTHI COLLEGE OF ENGINEERING

CHEMPERI, KANNUR-670632

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CONTENTS

Sl. No	Contents	Page No.
1	About the college	5
2	Vision	5
3	Mission	5
4	Quality policy	6
5	Motto	6
6	Courses offered	7
7	Working hours	7
8	Department of civil engineering	8
9	Vision of the department	8
10	Mission of the department	8
11	Program Educational Objective(PEOs)	8
12	Program Outcomes (POs)	9
13	Program Specific Outcome (PSOs)	10
14	Laboratories and Facilities	10
15	Professional bodies	10
16	Campus code of conduct	11
17	Mobile phone policy	15
18	Laboratories and faculty in-charge	16
19	Mentors and batches	16
20	Industrial Visit guidelines	17
21	Ragging	17
22	Faculty details	20
23	Lab staff details	20
24	APJ Abdul Kalam Technological University rules and regulations	21
25	Student Activity Points	35
26	B.Tech curriculum -- semester 1 to semester 8 -(2019 admission)	39
27	Academic Calendar VJEC- CE department	63
28	College bus details	74
29	Bus timings	75

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	Duration	Intake
1	Applied Electronics & Instrumentation Engineering	4 Years	30
2	Artificial Intelligence & Data Science	4 Years	60
3	Civil Engineering	4 Years	60
4	Computer Science and Design	4 Years	60
5	Computer Science & Engineering	4 Years	180
6	Computer Science and Engineering (Cyber Security)	4 Years	60
7	Computer Science and Engineering and Business Systems	4 Years	60
8	Electronics & Communication Engineering	4 Years	60
9	Electrical & Electronics Engineering	4 Years	60
10	Mechanical Engineering	4 Years	60

Post Graduate Programs (PG)

Sl No	Department	Mtech Programme	Duration	No of seats
1	Computer Science & Engineering	Computer Science & Engineering (CSE)	2 Years/4 Semester	6
2	Civil Engineering	Structural Engineering & Construction Management	2 Years/4 Semester	6

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 acquire knowledge in civil engineering to achieve a successful career as a civil engineering professionals or entrepreneurs, analyze the practical problem 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
Survey Lab
Civil workshop
Environmental Lab
Virtual Reality lab
Chemistry lab

Geotechnical Lab
Design/CAD Lab
Concrete Lab
Structural Engineering Lab
Geology Lab
Mechanics Lab

PROFESSIONAL BODIES

1. 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*

2. 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.

3. 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. Vijesh Cheriyan	Survey Lab & workshop
2	Mr. Peter Jobe, Ms Anuragi P	Ms. Stephy Thankachan	Advanced Design Lab
3	Ms Resmitha Rani Antony	Mr. Jins George	Strength of Material Lab
4	Ms. Anitta Jose/Sinai Michel	Mr. Jins George	Concrete Lab
5	Mr Saneesh K	Ms. Stephy Thankachan	Geotechnical Lab
6	Dr. Vibhoosha M P	Ms. Stephy Thankachan	Transportation Lab
7	Mr Aswin Joy	Mr. Nivin	Environment Lab
8	Ms. Margarat Abraham	Mr. Jins George	Structural engineering Lab
9	Ms. Rinnet Francis	Mr. Vijesh Cheriyan	Virtual Reality Lab
10	Mr Rojin P	Ms. Noisy Jose	Mechanics Lab
11	Ms Athira Rajendran	Mr Vijesh Cheriyan	Geology Lab

Mentors of UG Program

Sl No	Class and Batch	Name of Mentors	Roll number of students	Batch Coordinator
1	S7/S8 CE A – 2019 Batch	Ms Rinnet Francis	1-18	Ms Hridya P
		Ms. Athira Rajendran	18-36	
		Mr Deepu V S	37-53	
2	S7/S8 CE B – 2019 Batch	Ms Hridya P	1-18	
		Ms Margaret Abraham	18-36	
		Mr Peter Jobe	37-53	
3	S5/S6 CE A – 2020 Batch	Mr Saneesh K	1-14	Ms Sigi Thomas
		Ms. Anuragi P	15-28	
		Dr. Viboosha M P	29-41	
4	S5/S6 CE B – 2020 Batch	Ms Sigi Thomas	1-14	
		Mr Abhijath I P	15-28	
		Ms Snai Michel	29-42	
5	S3/S4 CE – 2021 Batch	Mr Logi N Bobby	1-18	Mr. Logi N Bobby
		Mr Rojin P	19-36	
		Ms. Resmitha Rani	37-53	
6	S1/S2 CE – 2022 Batch	Mr Aswin Joy	1-15	Mr Ashwin Joy
		Ms. Riya Pradeep	16-29	

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 or 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 2022-23

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	Ms.Sigi Thomas	Environmental Engineering	sigithomasj@vjec.ac	9497609410
5	Ms.Anitha Babu	Construction Management	anithababu@vjec.ac.in	7736110753
6	Ms.Margaret Abraham	Structural Engineering and Construction Management	margaret@vjec.ac.in	9633466204
7	Mr.Logi N Boby	Coastal Management	logibobyabraham@vjec.ac.in	8086564842
8	Mr.Ashwin Joy	Environmental Engineering	ashwinjoy@vjec.ac.in	9037313630
9	Mr.Saneesh K	Environmental Geotechnology	saneeshkrish46@vjec.ac.in	9995655249
10	Ms. Anuragi P	Structural Engineering and Construction Management	anuragi@vjec.ac.in	8129884345
11	Mr.Abhijath I P	Remote sensing & GIS	abhijathip@vjec.ac.in	9747233264
12	Ms.Rinnet Francis	Remote sensing & GIS	rinnet@vjec.ac.in	9497420192
13	Ms.Hridya P	Geotechnical Engineering	hridyap94@vjec.ac.in	9496641477
14	Mr. Rojin P	Geotechnical Engineering	rojinp@vjec.ac.in	9496400516
15	Ms. Anitta Jose	Structural Engineering	anittajose@vjec.ac.in	8606668696
16	Mr Peter Jobe	Structural Engineering	peterjobe@vjec.ac.in	8943112797
17	Ms Athira Rajendran	Environmental Engineering	athirarajendran@vjec.ac.in	9496401815
18	Dr Vibhoosha M P	Geotechnical Engineering	vibhoosha@vjec.ac.in	9495475119
19	Ms Reshmitha Rani Antony	Structural Engineering	resmitharaniantony@vjec.ac.in	9567412817
20	Ms Sinai Michel	Structural Engineering	sinaimichel@vjec.ac.in	9656438774
21	Ms Riya Pradeep	Environmental Geotechnology	riyapradeep@vjec.ac.in	9567081771
22	Ms Aswathi K	Computer Aided Structural Engineering	aswathik@vjec.ac.in	8547952976
23	Ms Shimna P	Water resources engineering	shimnap@vjec.ac.in	9747927778

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	Stephy Thankachan	Diploma in Civil	stephyjb@vjec.ac.in	9656243150

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY SALIENT FEATURES OF RULES AND REGULATIONS 2019 ADMISSION

This may be called the A. P. J. Abdul Kalam Technological University Academic Regulations for B. Tech, 2019. These are subject to the provisions of the APJ Abdul Kalam Technological University Act, 2015, the statutes and ordinances if any issued in the subject from time to time. It is the express understanding that these regulations are subject to the approval of the concerned statutory bodies of the University. These regulations shall be applicable for students admitted from 2019 onward.

1. Preamble	
R1.1	The University has the right to modify the regulations from time to time.
R1.2	In all matters related to the regulations, the decision of the University and its interpretation given by the BOG shall be final and binding.
2. Admission	
R2.1	Admission policy, eligibility for admission and admission procedure shall be decided by the University or the competent statutory authority for admissions from time to time.
R2.2	If at any time after admission, it is found that a candidate has not fulfilled any of the requirements stipulated by the University or the statutory body concerned, the Vice Chancellor may revoke the admission of the candidate and report the matter to the BOG.
R2.3	No student shall be permitted, under any circumstances, to change the branch/stream to which he/she is admitted by the competent authority for admission.
R2.4	A student admitted to a particular institute shall continue studying in that institute till the completion of the course, unless he/she is permitted an inter college transfer as per R9.1 to 9.12.
3. Structure of B.Tech. Program.	
R3.1	The duration of the B.Tech. Program shall be 4 years (8 semesters)
R3.2	The maximum duration shall be six academic years spanning 12 semesters.
R3.3	Every academic year shall have two semesters “1 st July to 31 st December (Odd semester)” and “1 st January to 30 th June (Even semester)”. Each semester shall have minimum of 72 working days. The vacation of the faculty and staff shall be as per the Government orders from time to time.

R3.4	Every branch of the B.Tech Program shall have a curriculum and syllabi for the courses approved by the Academic Council. Syllabus for any course shall be normally modified / updated once in four years. However, innovative elective courses can be included as
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and when required, on the recommendations of the respective Board of Studies and subject to the approval of the Academic Council. All revisions shall be based only on the recommendations of the Board of Studies concerned.

R3.5	The academic programs of the University follow the credit system. The general pattern is as below:								
	<table border="1"> <tr> <td>1 Hr. Lecture (L) per week</td> <td>1 credit</td> </tr> <tr> <td>1 Hr. Tutorial (T) per week</td> <td>1 credit</td> </tr> <tr> <td>1 to 2 Hours Practical(P) per week</td> <td>1 credit</td> </tr> <tr> <td>3 to 4 Hours Practical(P) per week</td> <td>2 credit</td> </tr> </table>	1 Hr. Lecture (L) per week	1 credit	1 Hr. Tutorial (T) per week	1 credit	1 to 2 Hours Practical(P) per week	1 credit	3 to 4 Hours Practical(P) per week	2 credit
1 Hr. Lecture (L) per week	1 credit								
1 Hr. Tutorial (T) per week	1 credit								
1 to 2 Hours Practical(P) per week	1 credit								
3 to 4 Hours Practical(P) per week	2 credit								
	The workload of a faculty member shall be the actual number of hours engaged by the faculty member.								

R3.6	The curriculum of any branch of the B.Tech. Program shall have a total of 160 academic credits and 2 additional pass/fail credits.
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R3.7	Every course of B. Tech. Program shall be placed in one of the nine categories as listed in table below.																																												
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R3.8	<p>No semester shall have more than six lecture-based courses and two laboratory and/or drawing/seminar/project courses in the curriculum.</p> <p>Credit per semester shall not be less than 15 or greater than 25 and cumulative credits shall not be less than 162.</p>
R3.9	The medium of instruction shall be English. All examinations, project/seminar reports and presentations shall be in English.
4. Academic Monitoring and Student Support.	
R4.1	Advisory System: There shall be one Senior Faculty Advisor (SFA) for a class and a faculty advisor (FA) each for 25 to 35 students in the class. The Principal shall assign a regular faculty member with minimum five years of experience as the Senior Faculty Advisor (SFA) in discussion with the Head of Department concerned.
R4.2	The documents regarding all academic and non academic matters of students under an advisory group shall be kept under the custody of Faculty Advisor/Senior Faculty Advisor.
R4.3	All requests/applications from a student or parent to higher offices are to be forwarded/recommended by his/her Faculty Advisor/Senior Faculty Advisor. Students and parents shall first approach their Faculty Advisor/ Senior Faculty Advisor for all kinds of advices, clarifications and permissions on academic matters. It is the official responsibility of the institution to provide the required guidance, clarifications and advices to the students and parents strictly based on the prevailing academic regulations.
R4.4	<p>The SFA shall arrange separate or combined meetings with advisors; course faculty, Parents and students as and when required and discuss the academic progress of students under their advisory group. The Senior Faculty Advisor/ Faculty Advisor shall also offer guidance and help to solve the issues on academic and non-academic matters including personal issues of the students in their advisory group. Advisory meetings shall preferably be convened:</p> <ol style="list-style-type: none"> 1. Immediately after the commencement of the semester. 2. Immediately after announcing the marks of first internal evaluation test. <p>The internal marks, activity points earned during the semester and eligibility of attendance shall be uploaded in the University portal only after displaying the same in the department notice board at least for two working days. This is for the information and feed back of the students. Any concerns raised by the students regarding attendance and internal marks and activity points shall be looked into in the combined meetings of advisors, course faculty and the students concerned. The principal/ HoD shall ensure the proper redressal of the concerns raised by the students regarding internal assessment and attendance. The FA/SFA shall be the custodian of the minutes and action taken reports of the advisory meetings.</p>

R4.5	The SFA shall get the minutes and action taken reports of advisory meetings approved by the Head of Department and the Principal. It shall be the duty of the HoD and the Principal to produce it before the University as and when required.
R4.6	The FA/SFA shall keep a hard copy of the consolidated statement of attendance, activity points and internal marks of the students in their advisory group. It shall be kept with the HoD without fail for all sorts of inspections.
R4.7	Regular communication with the parents of students in respect of progress in academic matters and other general issues shall be the responsibility of the Senior Faculty Advisor/ Faculty Advisor.
R4.8	The Principal shall inform/forward all regulations, guide lines, communications, announcements etc issued by the University regarding student academic and other matters to the HoDs/ Senior Faculty Advisors for information and timely action.
R4.9	It shall be the official responsibility of the Principal to arrange necessary orientation programmes to the HoDs, SFAs and SAs regarding student counseling, the prevailing University norms, regulations, guidelines and procedures on all academic and other University related matters.
5. Academic Auditing of affiliated institutions.	
R5.1	<p>There shall be academic auditing in each affiliated college at stipulated intervals. The academic auditing shall be conducted jointly by an Internal Quality Assurance Cell (IQAC) within the college and external academic auditor(s) appointed by the University. The Internal Quality Assurance Cell (IQAC) in each college shall oversee and monitor all the academic activities including all internal evaluations and examinations. This cell shall prepare academic audit statements in the formats prescribed by the University for each semester at regular intervals. These reports shall be presented to the external academic auditor(s), who shall use it as reference for independent auditing. The external auditor(s) shall submit the final audit report to the University in the prescribed format.</p> <p style="padding-left: 40px;">Academic auditing shall cover:-</p> <ol style="list-style-type: none"> 1. Course delivery and adherence to the course plan, syllabus coverage, quality of question papers used for internal examinations, internal evaluation, maintenance of laboratory experimental set ups and equipments, practical assignments, mini projects and conduct of practical classes and their evaluation. 2. Co-curricular and Extra-curricular activities available for students, the monitoring mechanism of activity points to be earned by the students. 3. Academic functioning of the college encompassing students, faculty and college administration covering punctuality, attendance, discipline, academic, environment, learning ecosystem, academic accountability, academic achievements and benchmarking. 4. The audit shall also cover the quality criteria prescribed by NBA/NAAC.

6. Assessment

R6.1	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 semesters. The End Semester Examinations shall be conducted by the University. Semester classes shall be completed at least ten days before the commencement of the End Semester Examination.		
R6.2	The End Semester Examinations (ESE) shall be held twice in a year – May/June session (for even semesters) and November/December session (for odd semesters). However, the End Semester Examinations of the VII and VIII Semesters shall be conducted in both the sessions.		
R6.3	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 as below : 1. Theory Courses : 1 : 2 2. Laboratory Courses : 1 : 1 3. Project : CIE only 4. Seminar : CIE only		
R6.4	Continuous Internal Evaluation (CIE): The Continuous Internal Evaluation shall be on the basis of the day-to-day work, periodic tests (minimum two in a semester) and assignments (minimum two). The faculty member (s) concerned shall carry out the Continuous Internal Evaluation (CIE) for the course allotted to him/her. The CIE marks for individual subjects shall be computed by giving weightage to the following parameters unless otherwise specified in the curriculum.		
	Course	Attendance	Tests
	Theory	20%	50%
	Drawing/ Practical	20%	40%
	Assignment/ Class work/ Course project.		
There shall be minimum two internal evaluation tests, each of 2hrs duration. Each test shall cover 50% of the syllabus and shall be for 50marks. Retest shall be permitted to the students who could not appear for the internal tests due to genuine grounds. Three days shall be utilised for conducting the internal evaluation test.			
Project work	a. Work assessed by the project guide – 30% b. Three member Continuous Internal Evaluation Committee – 40% (Guide shall be one member in the CIE committee) c. Final Evaluation by a three member Committee comprising of the department project coordinator, guide and an external expert. The external expert shall be an academician or from industry. The industry expert is preferred : 30% d. One third of the project credit shall be completed in VII semester and two third in VIII semester.		

	Seminar	<p>The report and the presentation shall be evaluated by a team of internal members comprising three senior faculty members based on the style of presentation, technical content, adequacy of reference, depth of knowledge and overall quality of the report.</p> <p>a) Attendance : 10%</p> <p>b) Guide : 20%</p> <p>c) Technical content : 30%</p> <p>d) Presentation : 40%</p>
	<p>The CIE marks for the attendance (20%) for each theory, practical and drawing shall be awarded in full, only if the candidate has secured 90% attendance or above in the subject. If a student has attendance for a subject below 90%, reduction in the marks for the attendance shall be made proportionally. The CIE marks obtained by the student for all subjects in a semester are to be published at least 5 days before the commencement of the University examinations. Duty leave shall be accounted for awarding the internal marks for attendance.</p>	
R6.5	<p>Students, who have completed a course but could not write the end semester examination, shall be awarded “I” Grade, provided they meet other eligibility criteria (R6.6). They shall register (exam registration) and appear for the end semester examination at the next opportunity and earn the credits without having to register (course registration) for the course again.</p>	
R6.6	<p>The main eligibility criteria for registering to the End Semester Examination are attendance in the course and no pending disciplinary action. The minimum attendance for appearing for the End Semester Examination is 75% in each course. Students who do not meet these eligibility criteria are awarded an FE grade.</p>	
R6.7	<p>The students with FE grade shall register for the courses during the normal semesters in which the courses are offered. However, for the seventh and eighth semester FE grade students can register for the courses in the next immediate chance, if offered by their institute.</p>	
R6.8	<p>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.</p>	
R6.9	<p>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.</p>	
R6.10	<p>A student will be eligible for the award of B. Tech. Degree of the University on satisfying the following requirements:</p> <ol style="list-style-type: none"> 1. Fulfilled all the curriculum requirements within the stipulated duration of the course. 2. Earned the required minimum credits as specified in the curriculum for the branch of study (R3.6 and R3.7). 3. No pending disciplinary action. 	

R6.11	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.																																																		
R6.12	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 %.																																																		
R6.13	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.																																																		
R6.14	Continuous Internal Evaluation mark percentage shall not exceed 30% over the End Semester Examination mark %. CIE marks awarded to a student shall be normalised accordingly. For example if the end semester mark % is 40, then the maximum eligible CIE mark % is 40+30 = 70 %.)																																																		
R6.15	Grading is based on the overall % marks obtained by the student in a course, as given in 6.16. The grade card shall only give the grades against the courses the student has registered. Semester grade card shall give the grade for each registered course, Semester Grade Point Average (SGPA) for the semester as well as Cumulative Grade Point Average (CGPA).																																																		
R6.16	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3" style="text-align: center;">Grade and Grade Points</th> </tr> <tr> <th style="text-align: center;">Grades</th> <th style="text-align: center;">Grade Point (GP)</th> <th style="text-align: center;">% of Total Marks obtained in the course</th> </tr> </thead> <tbody> <tr> <td>S</td> <td style="text-align: center;">10</td> <td>90% and above</td> </tr> <tr> <td>A+</td> <td style="text-align: center;">9.0</td> <td>85% and above but less than 90%</td> </tr> <tr> <td>A</td> <td style="text-align: center;">8.5</td> <td>80% and above but less than 85%</td> </tr> <tr> <td>B+</td> <td style="text-align: center;">8.0</td> <td>75% and above but less than 80%</td> </tr> <tr> <td>B</td> <td style="text-align: center;">7.5</td> <td>70% and above but less than 75%</td> </tr> <tr> <td>C +</td> <td style="text-align: center;">7.0</td> <td>65% and above but less than 70%</td> </tr> <tr> <td>C</td> <td style="text-align: center;">6.5</td> <td>60% and above but less than 65%</td> </tr> <tr> <td>D</td> <td style="text-align: center;">6.0</td> <td>55% and above but less than 60%</td> </tr> <tr> <td>P (Pass)</td> <td style="text-align: center;">5.5</td> <td>50% and above but less than 55%</td> </tr> <tr> <td>F (Fail)</td> <td style="text-align: center;">0</td> <td>Below 50% (CIE + ESE) or Below 40 % for ESE</td> </tr> <tr> <td>FE</td> <td style="text-align: center;">0</td> <td>Failed due to lack of eligibility criteria (R6.6)</td> </tr> <tr> <td>I</td> <td style="text-align: center;">0</td> <td>Could not appear for the end semester examination but fulfills the eligibility criteria.</td> </tr> <tr> <td rowspan="2" style="vertical-align: top;">Classification of B. Tech Degree.</td> <td>First Class with Distinction</td> <td>CGPA 8.0 and above</td> </tr> <tr> <td>First Class</td> <td>CGPA 6.5 and above</td> </tr> <tr> <td colspan="3">Equivalent percentage mark shall be = 10 * CGPA – 2.5</td> </tr> </tbody> </table>	Grade and Grade Points			Grades	Grade Point (GP)	% of Total Marks obtained in the course	S	10	90% and above	A+	9.0	85% and above but less than 90%	A	8.5	80% and above but less than 85%	B+	8.0	75% and above but less than 80%	B	7.5	70% and above but less than 75%	C +	7.0	65% and above but less than 70%	C	6.5	60% and above but less than 65%	D	6.0	55% and above but less than 60%	P (Pass)	5.5	50% and above but less than 55%	F (Fail)	0	Below 50% (CIE + ESE) or Below 40 % for ESE	FE	0	Failed due to lack of eligibility criteria (R6.6)	I	0	Could not appear for the end semester examination but fulfills the eligibility criteria.	Classification of B. Tech Degree.	First Class with Distinction	CGPA 8.0 and above	First Class	CGPA 6.5 and above	Equivalent percentage mark shall be = 10 * CGPA – 2.5		
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R6.17	Minimum Cumulative Credit Requirements for Registering to Higher Semesters				
	Semester	Allotted Credits	Cumulative Credits	Minimum Cumulative Credits required for B. Tech	Minimum Cumulative Credits required for B. Tech Lateral Entry.
	First	17	17	Not Applicable	Not Applicable
	Second	21	38	Not Insisted	Not Insisted
	Third	22	60	Not Insisted	Not Insisted
	Fourth	22	82	Not Insisted	Not Insisted
	Fifth	23	105	21 Credits from S1& S2	Not Insisted
	Sixth	24	129	Not Insisted	Not Insisted
	Seventh	15	144	47 Credits from S1 to S4	09 Credits from S3 to S4
Eight	16	160	Not Insisted	Not Insisted	
R6.18	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. Any discrepancy in evaluation could be brought to the notice of the Controller of Examination, who shall initiate appropriate action as per the University Examination Manual.				
R.6.19	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. If the difference in marks obtained in revaluation and the original valuation is more than 15% of the maximum marks, it shall be sent for third valuation. The final mark shall 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 valuation whichever is higher. The Controller of Examination shall examine such cases and conduct proper enquiry to see whether any of the examiners is responsible for negligent valuation of answer script and initiate suitable action as per the University Examination Manual.				
R6.20	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.				
R6.21	Calculation of SGPA/CGPA				
	<p>Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA) are calculated as follows.</p> <p>$SGPA = \frac{\sum(C_i \times GP_i)}{\sum C_i}$, 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 specified in the curriculum of that semester. The failed and incomplete courses shall also be considered in the calculation.</p> <p>$CGPA = \frac{\sum(C_i \times GP_i)}{\sum C_i}$, 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 specified in the</p>				

	<p>curriculum up to that semester for which the ‘CGPA’ is needed. Here the failed courses shall also be accounted.</p> <p>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.</p> <p>For students admitted under lateral entry scheme, credits for the first and second semester courses shall not be accounted for the calculation of CGPA.</p> <p>Equivalent percentage mark shall be = $10 * CGPA - 2.5$</p>
R6.22	<p>Any act of violation of University directions, indiscipline, misbehavior, or unfair practice in examinations from the part of students, faculty members, staff, institution, management or any other source shall be viewed very seriously. It is the legal responsibility of the principal and the college management to see that the examinations are conducted strictly as per the directions of the University and as specified in the examination Manual. Malpractices in examinations observed or reported by an official employed by the University, faculty member, invigilator or anybody shall be immediately reported to the Principal. The principal shall in turn conduct a preliminary enquiry giving the student concerned a chance to explain his/her case. The Principal shall then forward the case with his/her preliminary enquiry report and remarks to the Controller of Examinations along with all related documents and evidences within two working days. The Controller of examination shall decide the course of action on the issue as per the prescribed norms in the University Examination Manual.</p>
R6.23	<p>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.</p>
<p>7. Break of Study</p>	
R7.1	<p>A student is permitted to avail break of study:</p> <ul style="list-style-type: none"> i) In case of accident or serious illness needing prolonged hospitalization and rest. ii) In case the student has a bright idea and would like to initiate a start-up venture or develop a product. iii) In case of any personal reasons that need a break in study. iv) For internship leading to employment. <p>For break of study due to illness, student shall submit all necessary medical reports together with the recommendation of the doctor treating him giving definite reasons for break of study and its duration. Before joining back, the student should submit the fitness certificate from the doctor who treated him.</p> <p>Students who want to initiate a start-up venture or a product development, have to</p>

	<p>submit a project report, clearly indicating the purpose, action plan, technical details, funding details and future plans to the college Principal. The Principal shall evaluate the proposal by constituting an expert team consisting of a technocrat and a bank executive and take an appropriate decision based on the team's recommendation. The break of study for the start up shall be permitted only after the 4th semester for a maximum duration of two semesters. This is however permitted only on successfully completing the courses listed out in the first two semesters.</p> <p>Students who require a break in study due to personal reasons shall convince the Principal on the genuine need for it by giving authentic evidence for the same.</p> <p>Students who require break in study for 'internship leading to employment' shall produce the offer letter obtained from the employer concerned. The principal shall verify the authenticity of the offer and submit his recommendation to the University sufficiently in advance for approval. Only campus placed students with an annual compensation more than 6 lakhs are eligible to avail this facility.</p> <p>In the semester system followed by the University, break of study for an academic year is the preferred option than break of study for a semester.</p> <p>The student can avail the break of study only with the prior approval of the University. The Principal shall upload the request of the student with all relevant documents to the University portal for the approval with his/her recommendations.</p> <p>Students shall have to rejoin on the first working day of the same semester on which he/she had started availing the break of study.</p>
8.Attendance	
R8.1	<p>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 and 75% attendance is mandatory for registering to the end semester examination.</p> <p>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.</p> <p>In case of prolonged illness, break of study is permitted as per R7.1.</p>
R8.2	<p>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.</p>

8.3	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 tendays 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.
9. Inter College Transfer	
R9.1	Inter college transfer shall be applicable only for regular B. Tech students.
R9.2	The transfer shall be permitted just before the commencement of third semester.
R9.3	The transfer shall be with effect from the first working day of the third semester.
R9.4	The transfer shall be only within the sanctioned strength of the receiving college.
R9.5	The following Category of students shall not be eligible for inter college transfer <ol style="list-style-type: none"> 1. Govt. of India Nominee. 2. Management Quota in Aided colleges. 3. Management Quota in private Self Financing Colleges 4. Students admitted under NRI/PIO quota. 5. Lateral Entry students. 6. Students admitted under TFW Scheme. 7. Students admitted in any supernumerary seats. 8. Any other category which are ineligible as per the conditions for admission prescribed by Govt. of Kerala/Govt. of India.
R9.6	The transfer shall be permitted: <ol style="list-style-type: none"> 1. Between Govt/ Govt. Aided Colleges. 2. Between Self – Financing Colleges. (Including Govt. Controlled SFC).
R9.7	Notification inviting application for inter college transfer shall be issued by the University just before the commencement of the third semester.
R9.8	The candidate should fulfill the academic eligibility requirement for promotion to the third semester.
R9.9	If the number of applicants is more than the vacant seats available, the transfer may be based on the Kerala Engineering Entrance Rank.
R9.10	The students shall opt only one college for inter college transfer.
R9.11	The selected candidates shall remit a fee of Rs 3000/- (No fee for SC/ST students) within the stipulated date to the University. However, this rule is not applicable to the students transferred to other institutes under “Shift College” University order.
R9.12	The College transfer once approved by the receiving college will be final and binding on the applicant. No student will be permitted, under any circumstances, to refuse the change of college once offered.

10. Migration from other Universities

R10.1	Migration to the University from other Universities shall be permitted only if the parent University and the APJ Abdul Kalam Technological University enters into a bipartite agreement/ MoU for this purpose. However, this condition is not applicable to the students in any of the Engineering colleges/ institutions, which, before the commencement of KTU Act remained affiliated to Universities except Deemed to be Universities in the State of Kerala.
R10.2	The student shall be permitted to migrate only if he/she fulfills the University eligibility criteria for admission to the course applied for migration.
R10.3	The migration shall be permitted only up to the fifth semester of the B. Tech program and half the duration of the program in the case of other programs.
R10.4	The admission shall be offered on migration basis through lateral transfer of credits. Lateral credit transfer shall be as recommended by the concerned Board of Studies.
R10.5	The students shall be allowed to migrate to the University subject to satisfying the rules and regulations of the University as regards to, maximum number of backlogs, grade points, minimum credit requirement for promotion to higher semesters, etc.
R10.6	The student shall be offered admission in any of the affiliated colleges/institutions of the University subject to availability of seats. The student shall produce no objection certificate from the concerned college/institute in this regard.
R10.7	The students offered admission shall have to take transitory courses/ additional courses of the previous semesters to satisfy the program requirement as recommended by the concerned board of studies.
R10.8	The students offered admission shall pay the migration fees and the University fees as prescribed by the University. The application processing fee (University fee) shall be Rs 5000/- (Rupees five thousand only) and the migration fees shall be Rs 20000/- (Rupees twenty thousand only). The migration fee is charged for the meeting expenses of the concerned Board of studies to decide on the student suitability for migration and to recommend the transitory courses/ additional courses to be done by the student to fulfill the academic requirement of the University. The processing fee shall be paid along with the application, and the migration fee shall be paid to the University at the time of offering admission. The fee once paid shall not be refunded under any circumstances. The students in any of the Engineering colleges / institutions, which, before the commencement of KTU Act remained affiliated to Universities except Deemed to be Universities in the State of Kerala, are exempted from paying the processing fee and the migration fee.
R10.9	The migrated students shall follow the rules and regulations of the University.
R10.10	The students offered admission shall produce a migration certificate from the parent University at the time of admission.
R10.11	The student offered admission shall produce a character certificate from the parent institute/University at the time of admission.
R10.12	Regulations, Scheme and Syllabus of the respective specialization attested by the Registrar of the parent University or equivalent authority shall be submitted to the University along with the application seeking migration to the University.
R10.13	Attested copies of all certificates and mark lists from 10 th onwards shall be submitted along with the application for migration (Original certificates and mark lists shall be

	produced as and when required by the University).
R10.14	Assessment of the student suitability for migration in terms of programs, backlogs, grade points, credit requirements, etc shall be done by the concerned Board of Studies.
R10.15	Assessment of the transitory courses/ additional courses to be done by the student as per the academic requirement of the University shall be as recommended by the concerned Board of Studies.
11. Minor in Engineering.	
R11.1	All B. Tech students shall be eligible to register for Minor in Engineering.
R11.2	The Minor in Engineering registration shall be along with the registration of the 3 rd semester.
R11.3	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.
R11.4	The student shall earn additional 20 credits to be eligible for the award of B. Tech Degree with Minor.
R11.5	Out of the 20 Credits, 12 credits shall be earned by undergoing a minimum of three courses, during the specified period. The total number of contact hours for these three courses shall be 126 Hrs (42Hrs/course). The duration of a course shall be minimum 14 weeks. The remaining 8 credits could be acquired through two MOOCs recommended by the Board of studies and approved by the Academic Council.
R11.6	Curriculum and the syllabus of the three courses shall be approved by the Board of studies and the Academic Council.
R11.7	The assessment of the courses other than MOOCs and earning of credits shall be as per R6.1 to R6.23. The assessment and certification of the MOOCs shall be as per the prescribed norms of the MOOCs. The candidate shall produce the certification issued by the MOOCs conducting agency in proof of credit attainment.
R11.8	Under graduate Degree with minor shall be issued by the University to the students who fulfill all the academic eligibility requirements for the B. Tech program and Minor in Engineering.
12. B. Tech (Honours)	
R12.1	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).
R12.2	The B. Tech (Honours) registration shall be along with the registration of the 4 th semester.
R12.3	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.
R12.4	The student shall earn additional 20 credits to be eligible for the award of B. Tech (Honours) Degree.

R12.5	Out of the 20 Credits, 12 credits shall be earned by undergoing minimum three specified B. Tech (Honours) Elective courses of the respective stream. Credits for the B. Tech (Honours) Elective courses are deemed to be earned only on getting at least a grade 'C' or better in the composite evaluation. A student shall not be permitted to select the normal elective courses of the respective B. Tech programs for attaining the credit requirements of B. Tech (Honours). The remaining 8 credits could be acquired through two MOOCs of the respective streams recommended by the Board of studies and approved by the Academic Council.
R12.6	The assessment and certification of the MOOCs shall be as per the prescribed norms of the MOOCs. The candidate shall produce the certification issued by the MOOCs conducting agency in proof of credit attainment.
R12.7	The institutions offering B. Tech Honours programs shall not charge any additional fee from the students.
R12.8	B. Tech (Honours) Degree shall be issued by the University to the students who fulfill all the academic eligibility requirements for the B. Tech and B. Tech (Honours) programs.
13. Grace Marks for Sports /Arts Competitions.	
R13.1	Only bona-fide, regular candidates are eligible for the award of Grace Marks.
R13.2	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. The student shall get official prior permission from the University for representing the University.
R13.3	The maximum grace marks that can be awarded to a candidate in a particular semester for all activities put together shall be 5% of the aggregate maximum End Semester Examination marks of all theory courses for which the University conducts End Semester Examinations.
R13.4	The maximum grace marks that can be awarded to a student for a theory course in a particular semester for all activities put together shall not exceed 10% of the maximum aggregate marks of End Semester Examination of the course.
R13.5	The Grace Marks shall not be awarded to a student for Practical/ Lab/ Viva Voce/ internal assessment/ Seminar etc even though she/he fails for the same.
R13.6	Eligible Grace Marks shall be distributed equally on all theory papers/courses of an examination. However, re – distribution of Grace Marks shall be allowed only in the case of those courses of an examination for which the candidate has passed. Re-distribution is possible from passed courses to failed courses only. Re-distribution of Grace Marks is not permissible from failed courses to other courses for a pass.
R13.7	The Grace Marks shall be awarded for all theory papers/courses/subjects in a semester.
R13.8	Re- distribution shall be done only for enabling a candidate to obtain the minimum marks required for a pass.
R13.09	Grace Marks shall not be re – distributed from one semester to another semester.
R13.10	If the candidate does not secure the minimum marks required for a pass even after effecting re- distribution, eligible moderation fixed by the respective board if any, shall be awarded to that candidate in addition to the Grace Marks for a pass.
R13.11	Eligible Grace Marks shall be awarded for the regular examination of the performing semester only. Grace Marks shall not be awarded for supplementary examinations.

R13.12	The performing semester shall be considered from 1 st July to 31 st December (Odd semester) and 1 st January to 30 th June (Even Semester).
R13.13	Grace Marks shall be awarded on the basis of performance in the respective semester.
R13.14	The request for Grace Marks shall be submitted to the Controller of Examinations through the principal along with all relevant documents, within the time limit prescribed by the University. The request for Grace Marks received after the time limit shall not be entertained on any account.
R13.15	Only a single highest achievement during the period of a semester shall be considered for awarding the grace marks.
14. Grace Marks for Persons With Disability (PWD)	
R14.1	A person with disability means a person suffering from not less than 40% of any disability as certified by the District Medical Board. To be eligible for the grace marks, the certificate of disability specifying the percentage of disability shall be produced before the Principal at the time of admission.
R14.2	The Grace Marks that can be awarded for PWD candidates shall be 25% of the marks scored by the candidate in each course at the time of finalization of the results.
R14.3	Transfer of marks from one paper to another shall not be permitted. Fractions of marks if any, while computing the Grace Marks shall be rounded off to the next higher integer.
R14.4	PWD candidates who are eligible for Grace Marks shall be awarded Grace Marks for regular and supplementary chances until they pass the whole examination.
R14.5	Grace Marks shall be awarded only for the marks of the End Semester Examinations conducted by the University.
R14.6	The request for Grace Marks shall be submitted to the Controller of Examinations through the principal along with all relevant documents, within the time limit prescribed by the University. The request for Grace Marks received after the time limit shall not be entertained on any account.
15. Transitory provision.	
15.1	Notwithstanding anything contained in these regulations, the Vice-Chancellor shall, for a period of two years from the date of coming into force of these regulations, has the power to provide by order that these Regulations shall be applied to any B. Tech program with such modifications as may be necessary.

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 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	
			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 I TO VIII: B. TECH CIVIL ENGINEERING

Every course of B. Tech. Program shall be placed in one of the nine categories as listed in table below.

Sl. No	Category	Code	Credits
1	Humanities and Social Sciences including Management courses	HMC	8
2	Basic Science courses	BSC	26
3	Engineering Science Courses	ESC	22
4	Program Core Courses	PCC	76
5	Program Elective Courses	PEC	15
6	Open Elective Courses	OEC	3
7	Project work and Seminar	PWS	10
8	Mandatory Non-credit Courses (P/F) with grade	MNC	----
9	Mandatory Student Activities (P/F)	MSA	2
Total Mandatory Credits		162	
10	Value Added Course (Optional)	VAC	20

No semester shall have more than six lecture-based courses and two laboratory and/or drawing/seminar/project courses in the curriculum. Semester-wise credit distribution shall be as below:

Sem	1	2	3	4	5	6	7	8	Total
Credits	17	21	22	22	23	23	15	17	160
Activity Points	50				50				---
Credits for Activity	2								2
G.Total									162

Basic Science Courses: Maths, Physics, Chemistry, Biology for Engineers, Life Science etc

Engineering science courses: Basic Electrical, Engineering Graphics, Programming, Workshop, Basic Electronics, Basic Civil, Engineering Mechanics, Mechanical Engineering, Thermodynamics, , Design Engineering, Materials Engineering etc.

Humanities and Social Sciences including Management courses: English, Humanities, Professional Communication, Management, Finance & Accounting, Life Skills, Professional Communication, Economics etc.

Mandatory non-credit courses: Sustainable Engineering, Constitution of India/Essence of Indian Knowledge Tradition, Industrial Safety Engineering, disaster management etc.

Course Code and Course Number

Each course is denoted by a unique code consisting of three alphabets followed by three numerals like **ECL 201**. The first two letter code refers to the department offering the course. EC stands for course in Electronics & Communication, course code MA refers to a course in Mathematics, course code ES refers to a course in Engineering Science etc. Third letter stands for the nature of the course as indicated in the Table 1.

Table 1: Code for the courses

Code	Description
T	Theory based courses (other the lecture hours, these courses can have tutorial and practical hours, e.g., L-T-P structures 3-0-0, 3-1-2, 3-0-2 etc.)
L	Laboratory based courses (where performance is evaluated primarily on the basis of practical or laboratory work with LTP structures like 0-0-3, 1-0-3, 0-1-3 etc.)
N	Non-credit courses
D	Project based courses (Major, Mini Projects)
Q	Seminar Courses

Course Number is a three digit number and the first digit refers to the Academic year in which the course is normally offered, i.e. 1, 2, 3, or 4 for the B. Tech. Programme of four year duration. Of the other two digits, the last digit identifies whether the course is offered normally in the odd (odd number), even (even number) or in both the semesters (zero). The middle number could be any digit. ECL 201 is a laboratory course offered in EC department for third semester, MAT 101 is a course in Mathematics offered in the first semester, EET 344 is a course in Electrical Engineering offered in the sixth semester, PHT 110 is a course in Physics offered both the first and second semesters, EST 102 is a

course in Basic Engineering offered by one or many departments. These course numbers are to be given in the curriculum and syllabi.

SEMESTER I

SL OT	COURS ENO.	COURSE S	L-T- P	HOU RS	CREDI T
A	MAT 101	LINEAR ALGEBRA AND CALCULUS	3-1-0	4	4
B 1/2	PHT 110	ENGINEERING PHYSICS B	3-1-0	4	4
	CYT 100	ENGINEERING CHEMISTRY	3-1-0	4	4
C 1/2	EST 100	ENGINEERING MECHANICS	2-1-0	3	3
	EST 110	ENGINEERING GRAPHICS	2-0-2	4	3
D 1/2	EST 120	BASICS OF CIVIL & MECHANICAL ENGINEERING	4-0-0	4	4
	EST 130	BASICS OF ELECTRICAL & ELECTRONICS ENGINEERING	4-0-0	4	4
E	HUN 101	LIFE SKILLS	2-0-2	4	--
S 1/2	PHL 120	ENGINEERING PHYSICS LAB	0-0-2	2	1
	CYL 120	ENGINEERING CHEMISTRY LAB	0-0-2	2	1
T 1/2	ESL 120	CIVIL & MECHANICAL WORKSHOP	0-0-2	2	1
	ESL 130	ELECTRICAL & ELECTRONICS WORKSHOP	0-0-2	2	1
TOTAL				23/24 *	17

*Minimum hours per week

NOTE:

To make up for the hours lost due to induction program, one extra hour may allotted to be each course

SEMESTER II

SL OT	COURS ENO.	COURSE S	L-T-P	HOURS	CREDITS
A	MAT 102	VECTOR CALCULUS, DIFFERENTIAL EQUATIONS AND TRANSFORMS	3-1-0	4	4
B 1/2	PHT 110	ENGINEERING PHYSICS B	3-1-0	4	4
	CYT 100	ENGINEERING CHEMISTRY	3-1-0	4	4
C 1/2	EST 100	ENGINEERING MECHANICS	2-1-0	3	3
	EST 110	ENGINEERING GRAPHICS	2-0-2	4	3
D 1/2	EST 120	BASICS OF CIVIL & MECHANICAL ENGINEERING	4-0-0	4	4
	EST 130	BASICS OF ELECTRICAL & ELECTRONICS ENGINEERING	4-0-0	4	4
E	HUN 102	PROFESSIONAL COMMUNICATION	2-0-2	4	--
F	EST 102	PROGRAMMING IN C	2-1-2	5	4
S 1/2	PHL 120	ENGINEERING PHYSICS LAB	0-0-2	2	1
	CYL 120	ENGINEERING CHEMISTRY LAB	0-0-2	2	1
T 1/2	ESL 120	CIVIL & MECHANICAL WORKSHOP	0-0-2	2	1
	ESL 130	ELECTRICAL & ELECTRONICS WORKSHOP	0-0-2	2	1
TOTAL				28/29	21

NOTE:

1. Engineering Physics B and Engineering Chemistry shall be offered in both semesters. Institutions can advise students belonging to about 50% of the number of branches in the Institution to opt for Engineering Physics B in S1 and Engineering Chemistry in S2 & vice versa. Students opting for Engineering Physics B in a semester should attend Physics Lab in the same semester and students opting for Engineering Chemistry in one semester should attend Engineering Chemistry Lab in the same semester.
2. Engineering Mechanics and Engineering Graphics shall be offered in both semesters. Institutions can advise students belonging to about 50% of the number of branches in the Institution to opt for Engineering Mechanics in S1 and

Engineering Graphics in S2 & vice versa.

3. Basics of Civil & Mechanical Engineering and Basics of Electrical & Electronics Engineering shall be offered in both semesters. Basics of Civil & Mechanical Engineering contain equal weightage for Civil Engineering and Mechanical Engineering. Slot for the course is D with CIE marks of 25 each and ESE marks of 50 each. Students belonging to branches of AEI, EI, BME, ECE, EEE, ICE, CSE, IT, RA can choose this course in S1. Basics of Electrical & Electronics Engineering contain equal weightage for Electrical Engineering and Electronics Engineering. Slot for the course is D with CIE marks of 25 each and ESE marks of 50 each. Students belonging to AERO, AUTO, CE, FSE, IE, ME, MECHATRONICS, PE, METTULURGY, BT, BCE, CHEM, FT, POLY can choose this course in S1. Students having Basics of Civil & Mechanical Engineering in one semester should attend Civil & Mechanical Workshop in the same semester and students having Basics of Electrical & Electronics Engineering in a semester should attend Electrical & Electronics Workshop in the same semester.

4. LIFE SKILLS

Life skills are those competencies that provide the means for an individual to be resourceful and positive while taking on life's vicissitudes. Development of one's personality by being aware of the self, connecting with others, reflecting on the abstract and the concrete, leading and generating change, and staying rooted in time-tested values and principles is being aimed at. This course is designed to enhance the employability and maximize the potential of the students by introducing them to the principles that underlie personal and professional success, and help them acquire the skills needed to apply these principles in their lives and careers.

5. PROFESSIONAL COMMUNICATION

Objective is to develop in the under-graduate students of engineering a level of competence in English required for independent and effective communication for their professional needs. Coverage: Listening, Barriers to listening, Steps to overcome them, Purposive listening practice, Use of technology in the professional world. Speaking, Fluency & accuracy in speech, Positive thinking, Improving self-expression, Tonal variations, Group discussion practice, Reading, Speed reading practice, Use of extensive readers, Analytical and critical reading practice, Writing Professional

Correspondence, Formal and informal letters, Tone in formal writing, Introduction to reports. Study Skills, Use of dictionary, thesaurus etc., Importance of contents page, cover & back pages, Bibliography, Language Lab.

SEMESTER III

SLO T	COURSE NO.	COURSES	L-T-P	HOURS	CREDI T
A	MAT201	PARTIAL DIFFERENTIAL EQUATIONAND COMPLEX ANALYSIS	3-1-0	4	4
B	CET201	MECHANICS OF SOLIDS	3-1-0	4	4
C	CET203	FLUID MECHANICS& HYDRAULICS	3-1-0	4	4
D	CET205	SURVEYING & GEOMATICS	4-0-0	4	4
E 1/2	EST200	DESIGN & ENGINEERING	2-0-0	2	2
	HUT200	PROFESSIONAL ETHICS	2-0-0	2	2
F	MCN201	SUSTAINABLE ENGINEERING	2-0-0	2	--
S	CEL201	CIVIL ENGINEERING PLANNING & DRAFTING LAB	0-0-3	3	2
T	CEL203	SURVEY LAB	0-0-3	3	2
R/M	VAC	Remedial/Minor course	3-1-0	4 *	4
TOTAL				26/30	22/26

NOTE:

1. Design & Engineering and Professional Ethics shall be offered in both S3 and S4. Institutions can advise students belonging to about 50% of the number of branches in the Institution to opt for Design & Engineering in S3 and Professional Ethics in S4 & vice versa.
2. *All Institutions shall keep 4 hours exclusively for Remedial class/Minor course (Thursdays from 3 to 5 PM and Fridays from 2 to 4 PM). If a student does not opt for minor programme, he/she can be given remedial class.

SEMESTER IV

SLOT	COURSE NO.	COURSES	L-T-P	HOURS	CREDI T
A	MAT202	PROBABILITY, STATISTICS AND NUMERICAL METHODS	3-1-0	4	4
B	CET202	ENGINEERING GEOLOGY	3-0-1	4	4
C	CET204	GEOTECHNICAL ENGINEERING – I	4-0-0	4	4
D	CET206	TRANSPORTATION ENGINEERING	4-0-0	4	4
E 1/2	EST200	DESIGN & ENGINEERING	2-0-0	2	2
	HUT200	PROFESSIONAL ETHICS	2-0-0	2	2
F	MCN202	CONSTITUTION OF INDIA	2-0-0	2	--
S	CEL202	MATERIAL TESTING LAB– I	0-0-3	3	2
T	CEL204	FLUID MECHANICS LAB	0-0-3	3	2
R/M/H	VAC	Remedial/Minor/Honours course	3-1-0	4*	4
TOTAL				26/30	22/26

NOTE:

1. Design & Engineering and Professional Ethics shall be offered in both S3 and S4. Institutions can advise students belonging to about 50% of the number of branches in the Institution to opt for Design & Engineering in S3 and Professional Ethics in S4 & vice versa.
2. *All Institutions should keep 4 hours exclusively for Remedial class/Minor course (Thursdays from 3 to 5 PM and Fridays from 2 to 4 PM). If a student does not opt for minor programme, he/she can be given remedial class.

SEMESTER V

SLOT	COURSE NO.	COURSES	L-T-P	HOURS	CREDIT
A	CET301	STRUCTURAL ANALYSIS – I	3-1-0	4	4
B	CET303	DESIGN OF CONCRETE STRUCTURES	3-1-0	4	4
C	CET305	GEOTECHNICAL ENGINEERING – II	4-0-0	4	4
D	CET307	HYDROLOGY & WATER RESOURCES ENGINEERING	4-0-0	4	4
E	CET309	CONSTRUCTION TECHNOLOGY & MANAGEMENT	3-0-0	3	3
F	MCN301	DISASTER MANAGEMENT	2-0-0	2	--
S	CEL331	MATERIAL TESTING LAB – II	0-0-3	3	2
T	CEL333	GEOTECHNICAL ENGINEERING LAB	0-0-3	3	2
R/M/H	VAC	Remedial/Minor/Honours course	3-1-0	4*	4
TOTAL				27/31	23/27
L					

NOTE:

- *All Institutions should keep 4 hours exclusively for Remedial class/Minor/Honours course (Tuesdays from 3 to 5 PM and Wednesdays from 3 to 5 PM). If a student does not opt for minor/honours programme, he/she can be given remedial class.

SEMESTER VI

SLOT	COURSE NO.	COURSES	L-T-P	HOURS	CREDIT
A	CET302	STRUCTURAL ANALYSIS – II	3-1-0	4	4
B	CET304	ENVIRONMENTAL ENGINEERING	4-0-0	4	4
C	CET306	DESIGN OF HYDRAULIC STRUCTURES	4-0-0	4	4
D	CETXXX	PROGRAM ELECTIVE I	3-0-0	3	3
E	HUT300	INDUSTRIAL ECONOMICS & FOREIGN TRADE	3-0-0	3	3
F	CET308	COMPREHENSIVE COURSE WORK	1-0-0	1	1
S	CEL332	TRANSPORTATION ENGINEERING LAB	0-0-3	3	2
T	CEL334	CIVIL ENGINEERING SOFTWARE LAB	0-0-3	3	2
R/M/H	VAC	Remedial/Minor/Honours course	3-1-0	4*	4
TOTAL				25/29	23/27

PROGRAM ELECTIVE I

SLOT	COURSE NO.	COURSES	L-T-P	HOURS	CREDIT
D	CET312	ADVANCED COMPUTATIONAL METHODS	3-0-0	3	3
	CET322	GEOTECHNICAL INVESTIGATION	3-0-0		
	CET332	TRAFFIC ENGINEERING & MANAGEMENT	3-0-0		
	CET342	MECHANICS OF FLUID FLOW	3-0-0		
	CET352	ADVANCED CONCRETE TECHNOLOGY	3-0-0		
	CET362	ENVIRONMENTAL IMPACT ASSESSMENT	3-0-0		
	CET372	FUNCTIONAL DESIGN OF BUILDINGS	3-0-0		

NOTE:

1. **All Institutions should keep 4 hours exclusively for Remedial class/Minor/Honours course (Tuesdays from 2 to 4 PM and Wednesdays from 2 to 4 PM). If a student does not opt for minor/honors programme, he/she can be given remedial class.
2. Comprehensive Course Work: The comprehensive course work in the sixth semester of study shall have a written test of 50 marks. The written examination will be of objective type similar to the GATE examination and will be conducted online by the University. **Syllabus for comprehensive examination shall be prepared by the respective BoS choosing any 5 core courses studied from semester 3 to 5.** The pass minimum for this course is 25. The course should be mapped with a faculty and classes shall be arranged for practising questions based on the core courses listed in the curriculum.

SEMESTER VII

SLOT	COURSE NO.	COURSES	L-T-P	HOURS	CREDI T
A	CET401	DESIGN OF STEEL STRUCTURES	3-0-0	3	3
B	CETXXX	PROGRAM ELECTIVE II	3-0-0	3	3
C	CETXXX	OPEN ELECTIVE	3-0-0	3	3
D	MCN401	INDUSTRIAL SAFETY ENGINEERING	2-1-0	3	---
S	CEL411	ENVIRONMENTAL ENGG LAB	0-0-3	3	2
T	CEQ413	SEMINAR	0-0-3	3	2
U	CED415	PROJECT PHASE I	0-0-6	6	2
R/M/H	VAC	Remedial/Minor/Honours course	3-1-0	4*	4
TOTAL				24/28	15/19

PROGRAM ELECTIVE II

SLO T	COURSE NO.	COURSES	L-T-P	HOUR S	CRED IT
B	CET413	PRESTRESSED CONCRETE	3-0-0	3	3
	CET423	GROUND IMPROVEMENT TECHNIQUES	3-0-0		
	CET433	HIGHWAY MATERIALS AND DESIGN	3-0-0		
	CET443	APPLIED HYDROLOGY	3-0-0		
	CET453	CONSTRUCTION PLANNING & MANAGEMENT	3-0-0		
	CET463	ADVANCED ENVIRONMENTAL ENGINEERING	3-0-0		
	CET473	OPTIMISATION TECHNIQUES IN CIVIL ENGINEERING	3-0-0		

OPEN ELECTIVE

The open elective is offered in semester 7. Each program should specify the courses (maximum 5) they would like to offer as electives for other programs. The courses listed below are offered by **the Department of CIVIL ENGINEERING for students of other undergraduate branches offered in the college.**

SLOT	COURS E NO.	COURSE S	L-T- P	HOU R S	CREDI T
C	CET415	ENVIRONMENTAL IMPACT ASSESSMENT	2-1-0	3	3
	CET425	APPLIED EARTH SYSTEMS	2-1-0		
	CET435	INFORMATICS FOR INFRASTRUCTURE MANAGEMENT	2-1-0		
	CET445	NATURAL DISASTERS AND MITIGATION	2-1-0		
	CET455	ENVIRONMENTAL HEALTH AND SAFETY	2-1-0		
	CET465	GEOINFORMATICS	2-1-0		

NOTE :

1. *All Institutions should keep 4 hours exclusively for Remedial class/Minor/Honours course (Mondays from 10 to 12 and Wednesdays from 10 to 12 Noon). If a student does not opt for minor/honours programme, he/she can be given remedial class.
2. Seminar: To encourage and motivate the students to read and collect recent and reliable information from their area of interest confined to the relevant discipline from technical publications including peer reviewed journals, conference, books, project reports etc., prepare a report based on a central theme and present it before a peer audience. Each student shall present the seminar for about 20 minutes duration on the selected topic. The report and the presentation shall be evaluated by a team of faculty members comprising Academic coordinator for that program, seminar coordinator and seminar guide based on style of presentation, technical content, adequacy of references, depth of knowledge and overall quality of the report.

Total marks: 100, only CIE, minimum required

to pass 50 Attendance	10
Seminar Diary	10
Guide	20
Report	20
Presentation	40

3. Project Phase I: The course 'Project Work' is mainly intended to evoke the

innovation and invention skills in a student. The course will provide an opportunity to synthesize and apply the knowledge and analytical skills learned, to be developed as a prototype or simulation. The project extends to 2 semesters and will be evaluated in the 7th and 8th semester separately, based on the achieved objectives. One third of the project credits shall be completed in 7th semester and two third in 8th semester. It is recommended that the projects may be finalized in the thrust areas of the respective engineering stream or as interdisciplinary projects. Importance should be given to address societal problems and developing indigenous technologies. The assignment to normally include:

- Literature study/survey of published literature on the assigned topic
- Formulation of objectives
- Formulation of hypothesis/ design/ methodology
- Formulation of work plan and task allocation.
- Block level design documentation
- Seeking project funds from various agencies
- Preliminary Analysis/Modeling/Simulation/Experiment/ Design/Feasibility study
- Preparation of Phase 1 report

Total marks: 100, only CIE, minimum required to pass 50

Guide	30
Interim evaluation by the Evaluation committee	20
Final evaluation by the Evaluation committee	30
Phase – I Report (By Evaluation committee)	20

The evaluation committee comprises HoD or a senior faculty member, Project coordinator and project supervisor.

SEMESTER VIII

SLOT	COURSE NO.	COURSES	L-T-P	HOURS	CREDIT
A	CET402	QUANTITY SURVEYING & VALUATION	3-0-0	3	3
B	CETXXX	PROGRAM ELECTIVE III	3-0-0	3	3
C	CETXXX	PROGRAM ELECTIVE IV	3-0-0	3	3
D	CETXXX	PROGRAM ELECTIVE V	3-0-0	3	3
E	CET404	COMPREHENSIVE VIVA VOCE	1-0-0	1	1
U	CED416	PROJECT PHASE II	0-0-12	12	4
R/M/H	VAC	Remedial/Minor/Honours course	3-1-0	4*	4
TOTAL				25/29	17/21

PROGRAM ELECTIVE III

SLOT	COURSE NO.	COURSES	L-T-P	HOURS	CREDIT
B	CET414	ADVANCED STRUCTURAL DESIGN	3-0-0	3	3
	CET424	GEOENVIRONMENTAL ENGINEERING	3-0-0		
	CET434	RAILWAY AND TUNNEL ENGINEERING	3-0-0		
	CET444	IRRIGATION & DRAINAGE ENGINEERING	3-0-0		
	CET454	CONSTRUCTION METHODS & EQUIPMENT	3-0-0		
	CET464	AIRQUALITY MANAGEMENT	3-0-0		
	CET474	URBAN PLANNING & ARCHITECTURE	3-0-0		

PROGRAM ELECTIVE IV

SLOT	COURSE NO.	COURSES	L-T-P	HOURS	CREDIT
	CET416	BRIDGE ENGINEERING	3-0-0		
	CET426	ADVANCED FOUNDATION DESIGN	3-0-0		
	CET436	TRANSPORTATION PLANNING	3-0-0		

C	CET446	INFORMATICS FOR INFRASTRUCTURE MANAGEMENT	3-0-0	3	3
	CET456	REPAIR AND REHABILITATION OF BUILDINGS	3-0-0		
	CET466	ENVIRONMENTAL REMOTE SENSING	3-0-0		
	CET476	BUILDING SERVICES	3-0-0		

CIVIL ENGINEERING

PROGRAM ELECTIVE V

SLO T	COURSE NO.	COURSES	L-T-P	HOURS	CREDITS
D	CET418	EARTHQUAKE RESISTANT DESIGN	3-0-0	3	3
	CET428	SOIL STRUCTURE INTERACTION	3-0-0		
	CET438	AIRPORT, SEAPORT AND HARBOUR ENGINEERING	3-0-0		
	CET448	HYDROCLIMATOLOGY	3-0-0		
	CET458	SUSTAINABLE CONSTRUCTION	3-0-0		
	CET468	CLIMATE CHANGE & SUSTAINABILITY	3-0-0		
	CET478	BUILDING INFORMATION MODELLING	3-0-0		

MINOR

Minor is an additional credential a student may earn if s/he does 20 credits worth of additional learning in a discipline other than her/his major discipline of B.Tech. degree. The objective is to permit a student to customize their Engineering degree to suit their specific interests. Upon completion of an Engineering Minor, a student will be better equipped to perform interdisciplinary research and will be better employable. Engineering Minors allow a student to gain interdisciplinary experience and exposure to concepts and perspectives that may not be a part of their major degree programs.

The academic units offering minors in their discipline will prescribe the set of courses and/or other activities like projects necessary for earning a minor in that discipline. A specialist basket of 3-6 courses is identified for each Minor. Each basket may rest on one or more foundation courses. A basket may have sequences within it, i.e., advanced courses may rest on basic courses in the basket. S/he accumulates credits by registering for the required courses, and if the requirements for a particular minor are met within the time limit for the course, the minor will be awarded. This will be mentioned in the Degree

Certificate as “Bachelor of Technology in xxx with Minor in yyy”. The fact will also be reflected in the consolidated grade card, along with the list of courses taken. If one specified course cannot be earned during the course of the programme, that minor will not be awarded. The individual course credits earned, however, will be reflected in the consolidated grade card.

(i) The curriculum/syllabus committee/BoS shall prepare syllabus for courses to be included in the curriculum from third to eight semesters for all branches. The minor courses shall be identified by **M slot courses**.

(ii) Registration is permitted for Minor at the beginning of third semester. Total credits required is 182 (162 + 20 credits from value added courses)

(iii) Out of the 20 Credits, 12 credits shall be earned by undergoing a minimum of three courses listed in the curriculum for minor, of which one course shall be a mini project based on the chosen area. They can do miniproject either in S7 or in S8. The remaining 8 credits could be acquired by undergoing 2 MOOCs recommended by the Board of studies and approved by the Academic Council or through courses listed in the curriculum. The classes for Minor shall be conducted along with regular classes and no extra time shall be required for conducting the courses.

(iv) There won't be any supplementary examination for the courses chosen for Minor.

(v) On completion of the program, “Bachelor of Technology in xxx with Minor in yyy” will be awarded.

(vi) The registration for minor program will commence from semester 3 and the all academic units offering minors in their discipline should prescribe set of such courses. The courses shall be grouped into maximum of 3 baskets. The basket of courses may have sequences within it, i.e., advanced courses may rest on basic courses in the basket. Reshuffling of courses between various baskets will not be allowed. In any case, they should carry out a mini project based on the chosen area in S7 or S8. Students who have registered for **B.Tech Minor in CIVIL ENGINEERING Branch** can opt to study the courses listed below:

Semester	BASKET I				BASKET II				BASKET III			
	Course No.	Course Name	HOURS	CREDITS	Course No.	Course Name	HOURS	CREDITS	Course No.	Course Name	HOURS	CREDITS
S3	CET281	Building construction & structural systems	4	4	CET283	Introduction to Geotechnical Engineering	4	4	CET285	Informatics for Infrastructure Management	4	4
S4	CET282	Building drawing	4	4	CET284	Introduction to Transportation Engineering	4	4	CET286	Climate change & hazard mitigation	4	4
S5	CET381	Structural mechanics	4	4	CET383	Eco-friendly transportation systems	4	4	CET385	Sustainability analysis & design	4	4
S6	CET382	Estimation costing & Valuation	4	4	CET384	Geotechnical investigation & ground improvement techniques	4	4	CET386	Environmental health & safety	4	4
S7	CED481	MINI PROJECT	4	4	CED481	MINI PROJECT	4	4	CED481	MINI PROJECT	4	4
S8	CED482	MINI PROJECT	4	4	CED482	MINI PROJECT	4	4	CED482	MINI PROJECT	4	4

HONOURS

Honours is an additional credential a student may earn if s/he opts for the extra 20 credits needed for this in her/his own discipline. Honours is not indicative of class. KTU is providing this option for academically extra brilliant students to acquire Honours. Honours is intended for a student to gain expertise/specialise in an area inside his/her major B.Tech discipline and to enrich knowledge in emerging/advanced areas in the branch of engineering concerned. It is particularly suited for students aiming to pursue higher studies. Upon completion of Honours, a student will be better equipped to perform research in her/his branch of engineering. On successful accumulation of credits at the end of the programme, this will be mentioned in the Degree Certificate as “Bachelor of Technology in xxx, with Honours.” The fact will also be reflected in the consolidated

grade card, along with the list of courses taken. If one specified course cannot be earned during the course of the programme, Honours will not be awarded. The individual course credits earned, however, will be reflected in the consolidated grade card.

The courses shall be grouped into maximum of 3 groups, each group representing a particular specialization in the branch. The students shall select only the courses from same group in all semesters. It means that the specialization is to be fixed by the student and cannot be changed subsequently. The internal evaluation, examination and grading shall be exactly as for other mandatory courses. The Honours courses shall be identified by H slot courses.

- (i) The curriculum/syllabus committee/BOS shall prepare syllabus for courses to be included in the curriculum from fourth to eight semesters for all branches. The honours courses shall be identified by H slot courses.
- (ii) Registration is permitted for Honours at the beginning of fourth semester. Total credits required is 182 (162 + 20 credits from value added courses).
- (iii) Out of the 20 Credits, 12 credits shall be earned by undergoing a minimum of three courses listed in the curriculum for honours, of which one course shall be a mini project based on the chosen area. The remaining 8 credits could be acquired by undergoing 2 MOOCs recommended by the Board of studies and approved by the Academic Council or through courses listed in the curriculum. The classes for Honours shall be conducted along with regular classes and no extra time shall be required for conducting the courses. The students should earn a grade of 'C' or better for all courses under honours.
- (iv) There won't be any supplementary examination for the courses chosen for honours.
- (v) On successful accumulation of credits at the end of the programme, "Bachelor of Technology in xxx, with Honours" will be awarded if overall CGPA is greater than or equal to 8.5, earned a grade of 'C' or better for all courses chosen for honours and without any history of 'F' Grade.
- (vi) The registration for honours program will commence from semester 4 and the all academic units offering honours in their discipline should prescribe set of such courses. The courses shall be grouped into maximum of 3 groups, each group representing a particular specialization in the branch. The students shall select only the courses from same group in all semesters. It means that the

specialization is to be fixed by the student and cannot be changed subsequently. In any case, they should carry out a mini project based on the chosen area in S8. Students who have registered for **B.Tech Honours in CIVIL ENGINEERING** can opt to study the courses listed below:

S e m e s t e r	GROUP I				GROUP II				GROUP III			
	Course No.	Course Name	H O U R S	C R E D I T	Course No.	Course Name	H O U R S	C R E D I T	Course No.	Course Name	H O U R S	C R E D I T
S 4	CET292	ADVANCED MECHANICS OF SOLIDS	4	4	CET294	PAVEMENT CONSTRUCTION AND MANAGEMENT	4	4	CET296	GEOGRAPHICAL INFORMATION SYSTEMS	4	4
S 5	CET393	STRUCTURAL DYNAMICS	4	4	CET395	TRANSPORTATION SYSTEMS MANAGEMENT	4	4	CET397	GROUND WATER HYDROLOGY	4	4
S 6	CET394	FINITE ELEMENT METHODS	4	4	CET396	EARTH DAMS AND EARTH RETAINING STRUCTURES	4	4	CET398	ENVIRONMENTAL POLLUTION MODELLING	4	4
S 7	CET495	MODERN CONSTRUCTION MATERIALS	4	4	CET497	SOIL DYNAMICS AND MACHINE FOUNDATIONS	4	4	CET499	ENVIRONMENTAL POLLUTION CONTROL TECHNIQUES	4	4
S 8	CED496	MINI PROJECT	4	4	CED496	MINI PROJECT	4	4	CED496	MINI PROJECT	4	4

INDUCTION PROGRAM

There will be three weeks induction program for first semester students. It is a unique three-week immersion Foundation Programme designed especially for the fresher's which includes a wide range of activities right from workshops, lectures and seminars to sports tournaments, social work and much more. The programme is designed to mould students into well-rounded individuals, aware and sensitized to local and global conditions and foster their creativity, inculcate values and ethics, and help students to discover their passion. Foundation Programme also serves as a platform for the fresher's to interact with their batchmates and seniors and start working as a team with them. The program is structured around the following five themes:

The programme is designed keeping in mind the following objectives:

- **Values and Ethics:** Focus on fostering a strong sense of ethical judgment and moral fortitude.
- **Creativity:** Provide channels to exhibit and develop individual creativity by expressing themselves through art, craft, music, singing, media, dramatics, and other creative activities.
- **Leadership, Communication and Teamwork:** Develop a culture of teamwork and group communication.
- **Social Awareness:** Nurture a deeper understanding of the local and global world and our place in it as concerned citizens of the world.
- **Physical Activities & Sports:** Engage students in sports and physical activity to ensure healthy physical and mental growth.

VIMAL JYOTHI ENGINEERING COLLEGE , CHEMPERI
Academic Calendar - 2022-23

September

Days	Date	Academic Activities	Important Events/Dates
Thu	1		
Fri	2		
Sat	3	Working day in lieu of November 19	
Sun	4		
Mon	5		Teachers Day
Tue	6		
Wed	7		
Thu	8	Onam	
Fri	9		
Sat	10	Sree Narayana Guru Jayanthi	
Sun	11		
Mon	12	Commencement of BTech S3	
Tue	13	Commencement of BTech S7	
Wed	14		
Thu	15		Engineers Day
Fri	16		
Sat	17		
Sun	18		
Mon	19	Commencement of BTech S5	
Tue	20		
Wed	21	Sree Narayana Guru Samadhi	
Thu	22		
Fri	23		
Sat	24		
Sun	25		
Mon	26		
Tue	27	First CC for BTech S3/S5/S7	
Wed	28		
Thu	29		
Fri	30		

October			
Days	Date	Academic Activities	Important Events/Dates
Sat	1		Persons India Start-up Day
Sun	2	Gandhi Jayanthi	
Mon	3		
Tue	4	Mahanavami	
Wed	5	Vijayadasami	
Thu	6		
Fri	7	S3 & S7 IA1	
Sat	8	Milad-i-sherif	
Sun	9		
Mon	10	S3 & S7 IA1	
Tue	11	S3 & S7 IA1	
Wed	12	S3 & S7 IA1	
Thu	13		
Fri	14		Addon courses for S3 & S7
Sat	15		Addon courses for S3 & S7, National Innovation day
Sun	16		
Mon	17	S7 project phase -1 evaluation- 1 to be completed	
Tue	18		
Wed	19		KTU F-Zone intercollegiate Chess tournament for Men and Women
Thu	20		KTU F-Zone intercollegiate Chess tournament for Men and Women
Fri	21	S5 IA1 RA S3 & S7 IA1	
Sat	22		
Sun	23		
Mon	24	Deepavali	
Tue	25	S5 IA1	
Wed	26	S5 IA1	
Thu	27	S5 IA1	
Fri	28		
Sat	29	S3 & S7 IA2	
Sun	30		
Mon	31	S3 & S7 IA2	

November			
Days	Date	Academic Activities	Important Events/Dates
Tue	1	S3 & S7 IA2	Kerala Day / Kerala Piravi
Wed	2	S3 & S7 IA2	
Thu	3		
Fri	4		
Sat	5		
Sun	6		
Mon	7	RA S5 IA1	
Tue	8		
Wed	9		National Legal Services Day
Thu	10		Transport Day
Fri	11	RA S3 & S7 IA2	National Education Day
Sat	12		Ball tournament for Men and Women
Sun	13		Ball tournament for Men and Women
Mon	14		
Tue	15		
Wed	16		
Thu	17		
Fri	18	S5 IA2	
Sat	19	Additional Holiday	
Sun	20		
Mon	21	S5 IA2	
Tue	22	S5 IA2	Second CC for BTech S3/S5/S7
Wed	23	S5 IA2	
Thu	24		
Fri	25		
Sat	26		
Sun	27		
Mon	28		
Tue	29		
Wed	30		

December			
Days	Date	Academic Activities	Important Events/Dates
Thu	1		
Fri	2		National Pollution Control Day
Sat	3	S3 & S7 IA3	
Sun	4		
Mon	5	S3 & S7 IA3 RA S5 IA2	
Tue	6	S3 & S7 IA3	
Wed	7	S3 & S7 IA3	
Thu	8		
Fri	9		
Sat	10		
Sun	11		
Mon	12	S7 Project phase -1 evaluation 2 to be completed	
Tue	13		
Wed	14		National Energy Conservation day
Thu	15	S3 & S7 Internal Lab exam to be completed	College Magazine Release
Fri	16	S5 Internal Lab exam to be completed	
Sat	17	S5 IA3 Third CC for BTech S3/S7 RA S3 & S7 IA3	
Sun	18		
Mon	19	S5 IA3	
Tue	20	S5 IA3 Publish S3 IA mark	
Wed	21	S5 IA3 Class Ends and Publish attendance for BTech S3	
Thu	22	Publish S7 IA mark	
Fri	23	Class Ends and Publish attendance for BTech S7	NSS Camp
Sat	24		NSS Camp
Sun	25	Christmas	NSS Camp
Mon	26		NSS Camp
Tue	27		NSS Camp
Wed	28		NSS Camp
Thu	29		NSS Camp
Fri	30		
Sat	31		

January			
Days	Date	Academic Activities	Important Events/Dates
Sun	1		
Mon	2	Mannam Jayanthi	Mannam Jayanthi
Tue	3	Third CC for BTech S5 S3ESE S5IA3 RA	
Wed	4	S7ESE	
Thu	5		
Fri	6	Publish S5 IA mark	
Sat	7	Class Ends and Publish attendance for BTech S5	
Sun	8		
Mon	9		
Tue	10		
Wed	11		
Thu	12		
Fri	13		
Sat	14		
Sun	15		
Mon	16	S5 ESE	
Tue	17		
Wed	18		
Thu	19		
Fri	20		
Sat	21		
Sun	22		
Mon	23		
Tue	24		
Wed	25		
Thu	26	Republic Day	Republic Day
Fri	27		
Sat	28		
Sun	29		
Mon	30		
Tue	31		

VIMAL JYOTHI ENGINEERING COLLEGE , CHEMPERI
Academic Calendar - 2022-23

Jan-23

Days	Date	Academic Activities	Important Events/Dates
Sun	1		
Mon	2	Mannam Jayanthi	Mannam Jayanthi
Tue	3	Third CC for BTech S5 S5IA3 RA	
Wed	4		<u>World Braille Day</u>
Thu	5	S1 IA2 RA	
Fri	6	Publish S5 IA mark	
Sat	7	Class Ends and Publish attendance for BTech S5	
Sun	8		
Mon	9		
Tue	10		
Wed	11	NBA SAR - CSE & EEE Submission	
Thu	12	S3 ESE Commencement	S8 Course Team Meeting
Fri	13	S7 ESE Commencement	S8 Course Team Meeting
Sat	14		
Sun	15		
Mon	16	S5 ESE Commencement	
Tue	17		S4 Course Team Meeting
Wed	18		S4 Course Team Meeting
Thu	19		
Fri	20		
Sat	21	S1 IA3	
Sun	22		
Mon	23	S1 IA3	
Tue	24	S1 IA3	S6 Course Team Meeting International day of education
Wed	25	S1 IA3 S7 ESE ENDS	S6 Course Team Meeting
Thu	26	Republic Day	Republic Day
Fri	27		
Sat	28		
Sun	29		
Mon	30	S8 BTech commencement	
Tue	31		

VIMAL JYOTHI ENGINEERING COLLEGE , CHEMPERI
Academic Calendar - 2022-23

Feb-23

Days	Date	Academic Activities	
Wed	1	Third CC of Btech S1 & MTech S1	S5 ESE ENDS Indian Coast Guard Day
Thu	2	S3 ESE ENDS	
Fri	3		
Sat	4	S1 IA3 RA S1 Internal Lab exam to be completed	World Cancer Day
Sun	5		
Mon	6	S4 & S6 BTech commencement	
Tue	7		
Wed	8	Add on Course for S8 BTech	International Safer Internet Day
Thu	9		
Fri	10		1st CC for BTech S4, S6 & S8
Sat	11		International day of women and girls in science
Sun	12		
Mon	13		World radio day
Tue	14		
Wed	15	S8 Course wise feedback -1	
Thu	16	Publish S1 IA mark	
Fri	17	S8 IA1	Class Ends and Publish attendance for BTech S1
Sat	18	Sivarathri	
Sun	19		
Mon	20	S8 IA1	
Tue	21	S8 IA1	S2 Course Team Meeting
Wed	22		
Thu	23		
Fri	24		
Sat	25	S1 ESE Commencement	
Sun	26		
Mon	27		
Tue	28	S4 & S6 Course wise feedback-1	IV formalities to be completed

VIMAL JYOTHI ENGINEERING COLLEGE , CHEMPERI
Academic Calendar - 2022-23

Mar-23

Days	Date	Academic Activities	
Wed	1		
Thu	2		
Fri	3	S4 & S6 IA1	
Sat	4	S4 & S6 IA1	
Sun	5		
Mon	6	S1 ESE END S4 & S6 IA1	
Tue	7	S4 & S6 IA1 RA S8 IA1	
Wed	8	Add on Course for SS4 & S6 BTech	International Women's day
Thu	9	S2 Tentative date for Commencement	
Fri	10	IV for all	
Sat	11		S4 - from 11th Morning to 12th Evening S6 - from 10th morning to 12th evening S8 - from 10th morning to 13th evening
Sun	12		
Mon	13		
Tue	14		
Wed	15		
Thu	16		
Fri	17		
Sat	18	S8 Project Phase -2 first review to be completed	
Sun	19		
Mon	20		International Day of Happiness
Tue	21	RA S4 & S6 IA1	
Wed	22		
Thu	23		
Fri	24		
Sat	25	SPORTS DAY (Working day in leu of 5th April)	
Sun	26		
Mon	27	Arts fest	
Tue	28		
Wed	29	S2 Course wise feedback -1 & S8 Course wise feedback-2	2nd CC for BTech S4, S6 & S8
Thu	30		
Fri	31	S2 IA1 & S8 IA2	

VIMAL JYOTHI ENGINEERING COLLEGE , CHEMPERI
Academic Calendar - 2022-23

Apr-23

Days	Date	Academic Activities	
Sat	1	S2 IA1 & S8 IA2	
Sun	2		
Mon	3	S2 IA1 & S8 IA2	
Tue	4	S2 IA1 & S8 IA2	
Wed	5	Additional Holiday for Holy Wednesday	
Thu	6	Maundy Thursday	
Fri	7	Good Friday	World Health Day
Sat	8		
Sun	9	Easter	
Mon	10		
Tue	11		
Wed	12	S4 & S6 Course wise feedback-2	
Thu	13		
Fri	14	Ambedkar Jayanti	
Sat	15	Vishu	
Sun	16		
Mon	17	S4 & S6 IA2	
Tue	18	S4 & S6 IA2 RA S2 IA1 & S8 IA2	
Wed	19	S4 & S6 IA2	
Thu	20	S4 & S6 IA2	
Fri	21	Eidul fitr	
Sat	22		Earth Day
Sun	23		
Mon	24		
Tue	25		
Wed	26		World Intellectual Property Day
Thu	27		
Fri	28		
Sat	29	S8 Project Phase -2 second review to be completed	
Sun	30		

VIMAL JYOTHI ENGINEERING COLLEGE , CHEMPERI
Academic Calendar - 2022-23

May-23

Days	Date	Academic Activities	
Mon	1		International Labour Day
Tue	2	RA S4 & S6 IA2	
Wed	3	S8 Course end feedback	International Energy Day
Thu	4		
Fri	5	S8 IA3	
Sat	6	S8 IA3	
Sun	7		
Mon	8	S8 IA3	
Tue	9		
Wed	10	S2 Course wise feedback -2 & S4 & S6 Course end feedback	
Thu	11		National Technology Day
Fri	12	S2 IA2 & S4 & S6 IA3	3rd CC for BTech S4, S6 & S8
Sat	13		Mother's Day
Sun	14		
Mon	15	S2 IA2 & S4 & S6 IA3	International Day of Family
Tue	16	S2 IA2 & S4 & S6 IA3	RA S8 IA3
Wed	17	S2 IA2 & S4 & S6 IA3	World Telecommunication Day
Thu	18		
Fri	19		
Sat	20		
Sun	21		
Mon	22		International Day for Biological Diver
Tue	23	S4 & S6 Internal Lab exam to be completed	
Wed	24	RA S4 & S6 IA3	
Thu	25	Publish IA mark for BTech S8	
Fri	26	S8 Class ends and publish APC	S4 & S6 Third CC to be completed
Sat	27		
Sun	28		
Mon	29		
Tue	30	RA S2 IA2	
Wed	31		

VIMAL JYOTHI ENGINEERING COLLEGE , CHEMPERI
Academic Calendar - 2022-23

Jun-23

Days	Date	Academic Activities	
Thu	1	Publish IA mark for BTech S4 & S6	
Fri	2	S4 & S6 Class ends and publish APC	
Sat	3		
Sun	4		
Mon	5		world Environment Day
Tue	6	S8 ESE	S2 Course end feedback
Wed	7		World Food Safety Day
Thu	8		
Fri	9	S2 IA3	
Sat	10		
Sun	11		
Mon	12	S2 IA3	S4 & S6 ESE
Tue	13	S2 IA3	
Wed	14	S2 IA3	
Thu	15		
Fri	16		
Sat	17		
Sun	18		
Mon	19		
Tue	20	RA S2 IA3	
Wed	21		International Day of Yoga
Thu	22		
Fri	23		
Sat	24		
Sun	25		
Mon	26		
Tue	27		
Wed	28		
Thu	29		
Fri	30		

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—
Venkunnu—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

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		CHERUPUZHA		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		



