VISAT ENGINEERING COLLEGE

Est. 2011

Nelloorupara, Mutholapuram P O, Elanji, Ernakulam - 686665

Approved by AICTE, Recognized by DTE Kerala

Affiliated to the APJ Abdul Kalam Technological University, TVM

Tel No: 0485 - 2259900 / Web : www.visat.ac.in / E-Mail : office@visat.ac.in

1.1.1 The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment

INDEX

Sl.No.	Document
1.	KTU Academic Calendar
2.	Class and Course committee meeting minutes
3	Series Exam circular with timetable
4	Timetable
5	Attainment Details
6	DAB Meeting suggestions
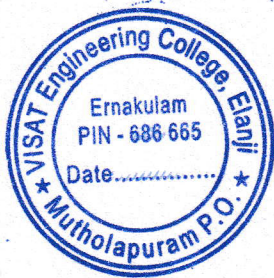
PRINCIPAL
VISAT ENGINEERING COLLEGE
(Affiliated to APJ AKT University)
Elanji, Ernakulam - 686 665

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY
Academic Calendar - June 2020 to January 2021
(B.Tech, B.Arch, BHMCT, B.DeS, M.Tech, M.Arch, M.Planning, MCA and Evening B.Tech & M.Tech)
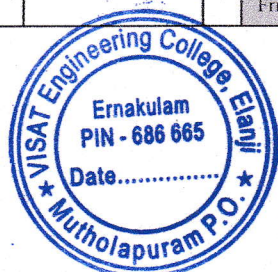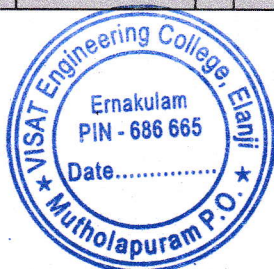#### (for ongoing batches of all the programmes)
Separate calendar for MBA programme
(Bold Numbers in Class indicates Instructional days)   Page 1/3

Jun-20 Days	Date	Description	Class	Jul-20 Days	Date	Description	Class	Aug-20 Days	Date	Description	Class	Sep-20 Days	Date	Description	Class
Mon	1			Wed	1			Sat	1			Tue	1	Third Onam	
Tue	2			Thu	2			Sun	2			Wed	2	Fourth Onam/ Sree Narayana Guru Jayanthi	
Wed	3			Fri	3			Mon	3	Commencement of class and registration		Thu	3		
Thu	4			Sat	4			Tue	4			Fri	4		
Fri	5			Sun	5			Wed	5			Sat	5		
Sat	6			Mon	6			Thu	6			Sun	6	Onam vacation ends	
Sun	7			Tue	7			Fri	7			Mon	7		10
Mon	8			Wed	8			Sat	8			Tue	8		11
Tue	9			Thu	9			Sun	9			Wed	9		12
Wed	10			Fri	10			Mon	10			Thu	10	Sreekrishna Jayanthi	
Thu	11			Sat	11			Tue	11			Fri	11		13
Fri	12			Sun	12			Wed	12			Sat	12		
Sat	13			Mon	13			Thu	13			Sun	13		
Sun	14			Tue	14			Fri	14			Mon	14		14
Mon	15			Wed	15			Sat	15	Independence Day		Tue	15		15
Tue	16			Thu	16			Sun	16			Wed	16	Course selection registration and mapping ends	16
Wed	17			Fri	17			Mon	17	Commencement of class and registration	1	Thu	17		17
Thu	18			Sat	18			Tue	18		2	Fri	18		18
Fri	19			Sun	19			Wed	19		3	Sat	19		
Sat	20			Mon	20	Karkadaka Vavu		Thu	20		4	Sun	20		
Sun	21			Tue	21			Fri	21		5	Mon	21	Sree Narayana Guru Samadhi Day	
Mon	22			Wed	22			Sat	22			Tue	22		19
Tue	23			Thu	23			Sun	23			Wed	23		20
Wed	24			Fri	24			Mon	24		6	Thu	24		21
Thu	25			Sat	25			Tue	25		7	Fri	25		22
Fri	26			Sun	26			Wed	26	Course selection registration and mapping begins	8	Sat	26		
Sat	27			Mon	27			Thu	27		9	Sun	27		
Sun	28			Tue	28			Fri	28	Birthday of Ayyankali / Onam vacation begins		Mon	28		23
Mon	29			Wed	29			Sat	29	Muharram		Tue	29		24
Tue	30			Thu	30			Sun	30	first Onam		Wed	30		25
				Fri	31	Bakrid		Mon	31	Thiruvonam					

Academic_Calendar_Odd_2020_-_2021

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY
Academic Calendar – June 2020 to January 2021
(B.Tech, B.Arch, BHMCT, B.DeS, M.Tech, M.Arch, M.Planning, MCA and Evening B.Tech & M.Tech)
Please see separate Academic Calendar for MBA

(Bold Numbers in Class indicates Instructional days) Page 2/3

| Days	Date	Description (Oct-20)	Class	Days	Date	Description (Nov-20)	Class	Days	Date	Description (Dec-20)	Class	Days	Date	Description (Jan-21)	Class
Thu	1		26	Sun	1			Tue	1		66	Fri	1		
Fri	2	Gandhi Jayanthi		Mon	2		45	Wed	2		67	Sat	2	Mannam Jayanthi	
Sat	3			Tue	3		46	Thu	3		68	Sun	3		
Sun	4			Wed	4		47	Fri	4		69	Mon	4		
Mon	5		27	Thu	5		48	Sat	5			Tue	5		
Tue	6		28	Fri	6		49	Sun	6			Wed	6		
Wed	7		29	Sat	7			Mon	7		70	Thu	7		
Thu	8		30	Sun	8			Tue	8		71	Fri	8		
Fri	9		31	Mon	9		50	Wed	9		72	Sat	9		
Sat	10			Tue	10		51	Thu	10	Class ends	73	Sun	10		
Sun	11			Wed	11		52	Fri	11	Publish IA marks and attendance	74	Mon	11		
Mon	12	Exam registration begins	32	Thu	12		53	Sat	12			Tue	12		
Tue	13		33	Fri	13		54	Sun	13			Wed	13		
Wed	14		34	Sat	14	Deepavali		Mon	14	Start date to forward the IA marks and attendance to Uty	75	Thu	14		
Thu	15	Test 1 to be completed	35	Sun	15			Tue	15			Fri	15		
Fri	16		36	Mon	16		55	Wed	16	Last date for evaluation of Jury (BArch & BDes)		Sat	16		
Sat	17	Sports meet (College level) to be completed		Tue	17		56	Thu	17	Last date to forward the IA marks and attendance to Uty		Sun	17		
Sun	18			Wed	18		57	Fri	18	Last date for uploading marks of Jury (BArch & BDes)		Mon	18	Reporting of S7 BArch to students to college after Practical training	
Mon	19		37	Thu	19		58	Sat	19	Christmas vacation begins		Tue	19		
Tue	20		38	Fri	20		59	Sun	20			Wed	20		
Wed	21		39	Sat	21	Sports meet (Zonal level) to be completed		Mon	21			Thu	21		
Thu	22		40	Sun	22			Tue	22			Fri	22		
Fri	23	Exam registration ends	41	Mon	23		60	Wed	23			Sat	23		
Sat	24	Mahanavami		Tue	24		61	Thu	24			Sun	24		
Sun	25			Wed	25		62	Fri	25	Christmas		Mon	25		
Mon	26	Vijayadasami		Thu	26		63	Sat	26			Tue	26	Republic Day	
Tue	27		42	Fri	27		64	Sun	27	Christmas vacation ends		Wed	27	Jury for Practical Training (S7 Barch)	
Wed	28		43	Sat	28			Mon	28			Thu	28		
Thu	29	Milad-i-sherif		Sun	29			Tue	29	Odd Seemster Exam begins		Fri	29		
Fri	30		44	Mon	30	Test 2 to be completed	65	Wed	30			Sat	30		
Sat	31							Thu	31			Sun	31		

Academic_Calendar_Odd_2020_-_2021

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Sl. No.	Events	Important Dates	
	ODD SEMESTER (2020 - 2021)		
1	Commencement of Odd semester classes	Aug 17, 2020	
2	Course selection, registration and mapping	Aug 26 - Sept 16, 2020	
3	Class committee / Course committee meeting	Sept 7-25, 2020	
4	Exam registration	Oct 12 - 23, 2020	
5	Test 1 to be completed	Oct 15, 2020	
6	College level sports to be completed	Oct 17, 2020	
7	Zonal level sports to be completed	Nov 21, 2020	
8	Test 2 to be completed	Nov 30, 2020	
9	Class committee / Course committee meeting	Dec 8 - 11, 2020	
10	Class ends	Dec 10, 2020	
11	Publish IA and attendance	Dec 11, 2020	
12	Last date for evaluation of Jury (B Arch & B Des)	Dec 16, 2020	
13	Submission of IA and attendance to University	Dec 14-17, 2020	
14	Last date for uploading marks of Jury (B Arch & B Des)	Dec 18, 2020	
15	Odd semester examination begins	Dec 29, 2020	
16	Jury for practical training (S7 B Arch)	Jan 27, 2021	
17	Commencement of Even semester classes	Feb 1,2021	
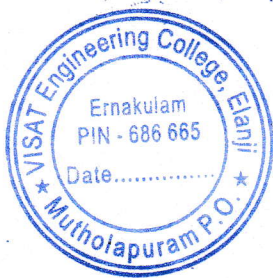
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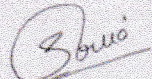Elanji, Ernakulam - 686 665

Date: 21/11/2022

NOTICE

A meeting of the Class Committee of S7 CE is scheduled on 22.11.2022, Tuesday by 1.00 PM in the Department Staff Room. All members of the committee are requested to attend.
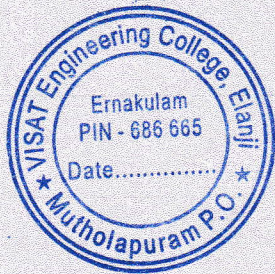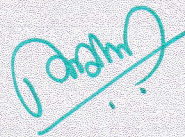
Agenda for the meeting

1. Discussion on previous minutes and action taken report
2. Result analysis of first series exam
3. Project and Seminar presentation
4. Activity point submission
5. Formation of Department Association
6. CILL Workshop
7. KWA project
8. Industrial Visit
9. Other matters

Chairman

Copy to-
1. Principal
2. HoD, CE
3. Committee members

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Department of Civil Engineering

Minutes of Meeting II- Class Committee

Academic Year 2022-23	Date: 22/11/2022
Semester: S7	Branch: Civil Engineering
Name of Facilitator: Chairman	Time: 1:00 PM
Meeting Type: Scheduled	Venue: Civil Engineering Department

Name of the Attendees	Sign	Name of the Attendees	Sign
Timi Thomas, HOD CE		Aparna T , S7 CE	
Radhika R, Asst. Prof. CE		Arun V R, S7 CE	
Soniya John, Asst. Prof. CE			
Jibi Kurian, Asst. Prof. CE			

AGENDA	
1. Discussion on previous minutes and action taken report	2. Result analysis of first series exam
3. Project and Seminar presentation	4. Activity point submission
5. Formation of Department Association	6. CILL Workshop
7. Industrial Visit	8. KWA project
9. Other matters	

DISCUSSIONS & SUGGESTIONS

1.	The members went through the minutes of the previous meeting and action taken report and expressed their acceptance.
2.	Discussed the results of the first series exam.
3.	Informed students to get ready with their seminar and project presentations without much delay.
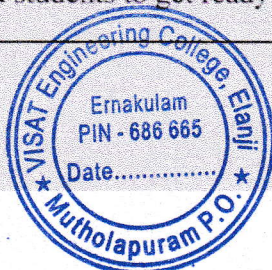
4.	Discussed the submission of a copy of certificates to update the activity points from S1 to S7 in the KTU portal.
5.	Discussed about the formation of the Civil Department Association.
6.	Informed students about the CILL workshop to be conducted in the month of December, 2022.
7.	Discussed about the survey to be conducted as part of the KWA project.
8.	Informed students about the one day Industrial Visit to RMC Plant.

DECISIONS

| 1.	The minutes and action taken report of the previous meeting were approved by the members.
2.	Slow learners were identified and decided to give more attention to them by giving remedial sessions.
3.	Decided to complete the seminar presentation of all students by the last week of November.
4.	Instructed to submit the copy of certificates for activity point updation to seventh semester by 30/11/2022.
5.	Student representatives for the Department association were selected and asked to find a suitable logo and motto for the association.
6.	An amount of Rs. 1250 per head was decided to collect from students for the CILL workshop.
7.	Instructed students to participate in the KWA - project survey, which is planned to conduct in the Koorumala region.
8.	Decided to conduct a one day Industrial Visit for S1, S3 & S7 students in the first week of December, 2022.

HOD(Sign)   CHAIRMAN(Sign)   MEMBER(Sign)

ACTIONS TAKEN

1.	Remedial sessions were conducted for slow learners based on the first series exam.
2.	Seminar presentation was conducted.
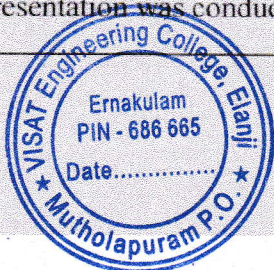
Engineering College
Ernakulam
PIN - 686 665
Date...............
Mutholapuram P.O.

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3.	Copies of certificates were submitted by students for activity points.
4.	Inauguration of Department Association was conducted.
5.	CILL workshop was conducted.
6.	Industrial visit was conducted to AAMRO Dairies.

HOD(Sign)   CHAIRMAN(Sign)   MEMBER(Sign)
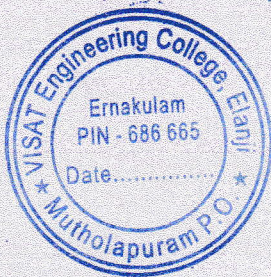
VISAT Engineering College Elanji
Ernakulam
PIN - 686 665
Date..............
Mutholapuram P.O

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VIT/INT-EXM-EVE/2023/005   13/07/2023

NOTICE

The second series examinations of (B. Tech) S2 are scheduled from 24th July 2023 to 26th June 2023

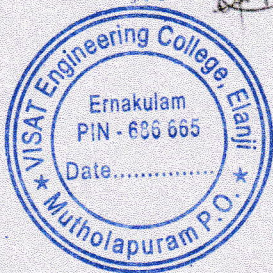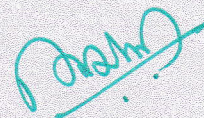The timetable will be displayed on the college notice board.

Principal

To be read in all B. Tech S2 classes

S2 - Batch A

S2 Batch C

S2 Batch B

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VIT/INT-EXM-EVE/2023/005   13/07/2023

NOTICE

All faculty members are requested to prepare **two** question papers for the second series examination of S2 in the **prescribed format**. Submit both question papers to the DQAC through HOD of the respective department and the approved question paper shall reach the exam cell on or before 21st July 2023 at 3pm. Sample Question Paper formats (**Two formats**) are mailed to your official mail.

Note: Please specify the Exam Slot (check timetable) on the Top Right Corner of the Question Paper along with the set number indication.
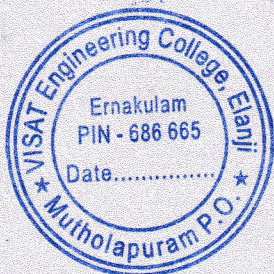
Question Paper Pattern for S2			
KTU (B. Tech S2) **Total Marks: 50**	**Part A** **(20 Marks)** (Questions from Module 4)	Compulsory questions (12 Marks)	Shall contain combinations of 2 marks, 3 marks, 4 marks, or 6 marks.
		Choice question (8 Marks)	Shall contain **Two** 8 mark questions. Students should attend to any one question.
	Part B **(20 Marks)** (Questions from Module 5)	Compulsory questions (12 Marks)	Shall contain combinations of 2 marks, 3 marks, 4 marks, or 6 marks.
		Choice question (8 Marks)	Shall contain **Two** 8 mark questions. Students should attend to any one question.
	Part C **(10 Marks)** (Questions from half portion of Module 3)	Compulsory questions (10 Marks)	Shall contain combinations of 2 marks, 3 marks, 4 marks, or 6 marks

(signature) 18/07/23

Principal

Copy to:

1. Principal File   2. Registrar   3. Deans   4. Office   5. All HODs & Department

(college seal: VISAT Engineering College Elanji, Ernakulam PIN - 686 665, Date............, Mutholapuram P.O.)

(signature)
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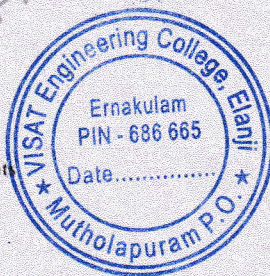Elanji, Ernakulam - 686 665

VISAT ENGINEERING COLLEGE
MANAGED BY UNISIS GROUP OF COMPANIES

B.Tech Second Series Examination July 2023

SECOND SEMESTER

Date	Time	Slot	Branch	Subject with code
24-07-2023	9:30 AM TO 11:30 AM	A	CE	MAT 102 Vector calculus differential equations and transforms
			CSE	
			ECE	
			EEE	
			ME	
24-07-2023	1:30 PM TO 3:30 PM	B	CE	CYT 100 Engineering Chemistry
			CSE	
			ECE	PHT100 Engineering Physics A
			EEE	
			ME	CYT 100 Engineering chemistry
25-07-2023	9:30 AM TO 11:30 AM	C	CE	EST 110 Engineering Graphics
			CSE	
			ECE	
			EEE	
			ME	
25-07-2023	1:30 PM TO 3:30 PM	D	CE	EST 120 Basics of civil and mechanical engineering
			CSE	
			ECE	
			EEE	
			ME	
26-07-2023	9:30 AM TO 11:30 AM	E	CE	HUT 102 Professional Communication
			CSE	
			ECE	
			EEE	
			ME	
26-07-2023	1:30 PM TO 3:30 PM	F	CE	EST 102 Programming in C
			CSE	
			ECE	
			EEE	
			ME	

Date: 13/07/2023

13/07/23

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Registrar
Dean
All HOD's and Department
College Notice Board
Hostels
College Office

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DEPARTMENT OF CIVIL ENGINEERING
TIME TABLE (S4 BATCH 2021-25)
ACADEMIC YEAR 2022-23

Time--->	9:00 - 9:50	9:50 - 10:40	10:50 - 11:40	11:40 - 12:30	1:10 - 2:10	2:20 -3:10	3:10 - 4:00
Day / Hour->	I	II	III	IV	V	VI	VII
Monday	MAT202	CEL204	CEL204	CEL204	CET202	CET202	CET206
Tuesday	MAT202	CEL202	CEL202	CEL202	CET206	CET204	CET204
Wednesday	EST200	MAT202	CET206	CET204	CET204	CET202	CET206
Thursday	CET204	MCN202	CET202	CET206	MAT202	CET204	SEMINAR
Friday	CET206	EST200	CET202	MAT202 T	EST200	MCN202	MCN202

SUBJECT CODE	SUBJECT	FACULTY
MAT202	PROBABILITY, STATISTICS AND NUMERICAL METHODS	ASSOC. PROF. DIVAKARAN M R
CET202	ENGINEERING GEOLOGY	ASST. PROF. NEETHA MATHEW
CET204	GEOTECHNICAL ENGINEERING I	ASST. PROF. RADHIKA R
CET206	TRANSPORTATION ENGINEERING	ASST. PROF. THANUJA SASI/ ASST. PROF. ANUPA PAULOSE
EST200	DESIGN AND ENGINEERING	ASST. PROF. BINDU CHANDRAN
MCN202	CONSTITUTION OF INDIA	PROF. DR. T K TITUS
CEL202	MATERIAL TESTING LAB I	ASST. PROF. SONIYA JOHN
CEL204	FLUID MECHANICS LAB	ASST. PROF. ARUNIMA RAJEEV

HOD CE

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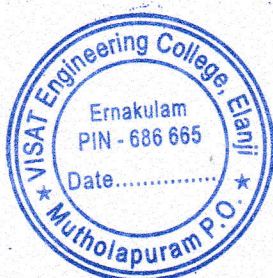Elanji, Ernakulam - 686 665

VISAT Engineering College

	Co Attainment		CSE	
B.Tech in Computer Science and Engineering		Branch: B.Tech in Computer Science and Engineering		
Semester: Semester 5		Academic Year: 2022-23		
Subject Code: CST 307	L-T-P Credits: 3-1-0-4	Subject Name: MICROPROCESSORS AND MICROCONTROLLERS		

	CO1	CO2	CO3	CO4	CO5
Target Co % for a Student	50	50	50	50	50
No. of Students Achieved Target %	20	11	13	9	18
Total No. of Students	21	21	21	21	21
% of Students Achieved Target	95.2	52.4	61.9	42.9	85.7

Direct Methos Rubrics

If 50% of students scored 50% or more, then Attainment value is 1
If 65% of students scored 50% or more, then Attainment value is 2
If 80% of students scored 50% or more, then Attainment value is 3

	CO1	CO2	CO3	CO4	CO5
Attainment level	3	1	1		3

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VISAT Engineering College

CSE

Co Attainment

B.Tech in Computer Science and Engineering

Branch: B.Tech in Computer Science and Engineering

Semester: Semester 5

Academic Year: 2022-23

Subject Code: CST 307

L-T-P Credits: 3-1-0-4

Subject Name: MICROPROCESSORS AND MICROCONTROLLERS

CO PO PSO Mapping

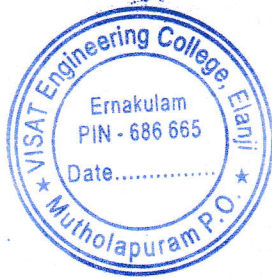| CO	Attainment	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12	PSO-1	PSO-2
CO1	2.28	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	1.0
CO2	2.2	3.0	3.0	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.0	2.0
CO3	2.2	3.0	3.0	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.0	2.0
CO4	1.8	3.0	3.0	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.0	2.0
CO5	2.28	2.0	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	1.0

CO PO PSO Mapping Output

	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12	PSO-1	PSO-2
CO1	1.52	1.52	1.52	0	0	0	0	0	0	0	0	1.52	1.52	0.76
CO2	2.2	2.2	2.2	2.2	0	0	0	0	0	0	0	1.47	2.2	1.47
CO3	2.2	2.2	2.2	2.2	0	0	0	0	0	0	0	1.47	2.2	1.47
CO4	1.8	1.8	1.8	1.8	0	0	0	0	0	0	0	1.2	1.8	1.2
CO5	1.52	1.52	1.52	0.76	0	0	0	0	0	0	0	1.52	1.52	0.76
PO Attainment	1.85	1.85	1.85	1.74	0	0	0	0	0	0	0	1.43	1.85	1.13

VISAT Engineering College

	Co Attainment	CSE
B.Tech in Computer Science and Engineering		Branch: B.Tech in Computer Science and Engineering
Semester: Semester 5		Academic Year: 2022-23
Subject Code: CST 307	L-T-P Credits: 3-1-0-4	Subject Name: MICROPROCESSORS AND MICROCONTROLLERS

Direct Methos Rubrics

If **50%** of students scored **50%** or more, then Attainment value is **1**
If **65%** of students scored **50%** or more, then Attainment value is **2**
If **80%** of students scored **50%** or more, then Attainment value is **3**

Total Students	Target %	Students achieved target	% of students achieved target	Attainment level
21	50	17	80.952380952381	3

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	Co Attainment	CSE
B.Tech in Computer Science and Engineering		Branch: B.Tech in Computer Science and Engineering
Semester: Semester 5		Academic Year: 2022-23
Subject Code: CST 307	L-T-P Credits: 3-1-0-4	Subject Name: MICROPROCESSORS AND MICROCONTROLLERS

Weightage of Direct Methods	Weightage of Indirect Methods
80	20

	CO1	CO2	CO3	CO4	CO5
Assessment	3	1	1		3
Assignment		3	3	3	
Course Exit Survey	3	3	3	3	3
University exam	3	3	3	3	3
Attainment Level	**2.28**	**2.2**	**2.2**	**1.8**	**2.28**

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VIT/KTU/03/23   11/04/2023

To

The Registrar
A P J Abdul Kalam Technological University
Engineering College P.O
Thiruvananthapuram - 695016

Sub: suggestions for curriculum revision.

Respected Sir,

This communication is regarding the incorporation of suggestions obtained from the stakeholders. General and curriculum-based feedback is obtained from the respective stakeholders periodically. As per the feedback collected and analyzed, we have concluded the following suggestions. These suggestions may help you in revising the curriculum.

Suggestions

1) New interdisciplinary courses can be offered throughout the entire four-year academic program (at present interdisciplinary subjects are very less in number)
2) As part of extracurricular activity points, yoga sessions can also be included. (activity points can be provided for the successful completion).
3) Sports and arts activities can be conducted in every semester.
4) NPTEL certification courses may be included as a mandatory credit criteria.
5) Including additional courses on English in semester 1 to improve communication skills.
6) internship durations may be extended to one complete semester.

Kindly consider these suggestions for your next curriculam revision.

Yours faithfully

Principal 11/04/23

True copy.
Attested.

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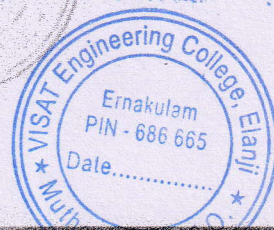
VISAT Engineering College, Elanji
Ernakulam
PIN - 686 665
Date

Review of transferred affiliation of courses and institution - evaluation process by the University

2 messages

Registrar KTU <registrar@ktu.edu.in>
To: KTU Affiliated Colleges <colleges@ktu.edu.in>

Sun, Jan 28, 2024 at 11:44 AM

Sir / Madam,

As per the provisions in the First Statutes of the University , certain actions are to be completed by the University / Statutory bodies / certain authorities within a period of two years and six months after its promulgation. In this connection it is required to review the transferred affiliation of courses and institutions in accordance with the provisions of the First Statutes of APJ Abdul Kalam Technological University.

Enclosed, please find the attached document , based on which the colleges could start the preparatory actions in connection with the review process of the transferred affiliations, expected to start towards the end of first week of February, 2024. The detailed modalities of the same would be communicated soon.

This email may please be treated as an advance communication to the colleges to prepare them for the review of the affiliation process.

Thanking you

Sincerely

Praveen A

Registrar

APJ Abdul Kalam Technological University

CET Campus, Trivandrum

Kerala, 695016

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2 attachments

📄 **Form A and B and Cto be furnished by colleges.pdf**
873K

📄 **Form A and B and Cto be furnished by colleges.docx**
33K

VISAT ENGINEERING COLLEGE-elanji- Admin <vijnan@ktu.edu.in>
To: registrar@visat.ac.in

Tue, Jan 30, 2024 at 1:59 PM

[Quoted text hidden]

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2 attachments

📄 **Form A and B and Cto be furnished by colleges.pdf**
873K

📄 **Form A and B and Cto be furnished by colleges.docx**
33K

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Recognized by DTE, Govt. of Kerala

Suggestions in Revising Curriculum_VISAT

1 message

Principal VISAT <principal@visat.ac.in>   Thu, Jan 18, 2024 at 2:33 PM
To: academics@ktu.edu.in, deanacademics <deanacademics@ktu.edu.in>
Cc: registrar@ktu.edu.in
Bcc: Registrar VISAT <subin@visat.ac.in>, Shaji Austin <director@visat.ac.in>, DIVYA NAIR <asst-prof-divya@visat.ac.in>, VISAT Elanji <office@visat.ac.in>

Dear Sir,

    I am reaching out on behalf of VISAT Engineering College, Ernakulam affiliated with APJ Abdul Kalam Technological University. In line with our dedication to academic excellence and ongoing enhancement, I wish to put forward several recommendations derived from recent DAB meetings across all departments of VISAT Engineering College. I kindly urge you to contemplate the incorporation of these suggestions in the upcoming curriculum revision.

    Attached the program wise suggestions for your reference and consideration.

Thanks and regards,

--
with regards,

Prof. Dr. ANOOP K J
PRINCIPAL
VISAT Engineering College (College Code :VIT)
Elanji, Mutholapuram PO, Ernakulam, Kerala 686665

An Associate of UNISIS Group, www.unisisgroup.com

📄 **Curriculum revision.pdf**
842K

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Tel No: 0485 - 2259900 / Web : www.visat.ac.in / E-Mail : office@visat.ac.in

To

Date: 18-01-2024

Dean-Academics,

APJ Abdul Kalam Technological University,

CET Campus, Thiruvananthapuram Kerala -695016

Dear Sir,

I am reaching out on behalf of VISAT Engineering College, Ernakulam affiliated with APJ Abdul Kalam Technological University. In line with our dedication to academic excellence and ongoing enhancement, I wish to put forward several recommendations derived from recent DAB meetings across all departments of VISAT Engineering College. I kindly urge you to contemplate the incorporation of these suggestions in the upcoming curriculum revision.

Thanking you

Yours Sincerely,

Principal
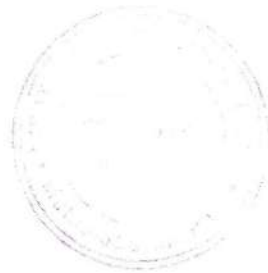
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VISAT ENGINEERING COLLEGE

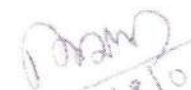Nelloorupara, Mutholapuram P O, Elanji, Ernakulam - 686665

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DEPARTMENT OF CIVIL ENGINEERING

1. Include courses on Building Information Modeling (BIM) and its applications in construction projects.

2. Integrate modules on Artificial Intelligence (AI) and Machine Learning (ML) in civil engineering applications.

3. Strengthen hands-on learning by introducing practical courses in construction management, geotechnical engineering, and structural analysis.

4. Encourage the use of simulation software for designing and analyzing civil engineering structures.

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

1. Include courses on HCI to emphasize the importance of user experience and usability in software design.

2. Emphasize modern software development methodologies like Agile and DevOps.

3. Provide hands-on experience with cloud infrastructure and deployment..

4. Include courses on software testing, continuous integration, and version control systems.

5. Introduce mobile application development courses for iOS and Android platforms.

6. Cover frameworks like React Native and Flutter for cross-platform development.

7. Integrate courses that teach the importance of open source software and contribution to the community.

8. Strengthen the cybersecurity component with courses on ethical hacking, network security, and secure coding practices and include practical exercises to simulate real world cyber threats.

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

1. Include courses that align with)industry trends and technologies, ensuring students are well-prepared for the workforce. (Courses like Machine Learning for Signal Processing, Neuromorphic Engineering, Terahertz Communication, Energy Harvesting and Wireless Power Transfer)

2. Include interdisciplinary courses to provide students with a broader perspective and a holistic understanding of technology and its applications. (Courses Like: Blockchain and Cyber-Physical Systems, Energy Systems Integration, Environmental Monitoring Systems, Data Science for Engineers)

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

1. Integrate AI related subjects into the syllabus - Artificial Intelligence and Neural Networks.

2. Offer cutting edge technology courses – Sensor Networks and IoT, MEMS as elective options to stay current with industry advancements.

3. Utilize software applications such as E-Tap, PSS/E, Power World Simulator to achieve software proficiency within the realm of Electrical Engineering

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DEPARTMENT OF MECHANICAL ENGINEERING

1. Include a course on hypermesh which is an excellent modeling and simulation software ,so students can get training in modeling of Vehicles and its component parts in vehicle manufacturing industries.

2. Introduce analysis software abacus for Manufacturing process and Matlab.

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