



# ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

("ವಿ ಟಿ ಯು ಅಧಿನಿಯಮ 1994"ರ ಅಡಿಯಲ್ಲಿ ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಸ್ಥಾಪಿತವಾದ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯ)

## VISVESVARAYA TECHNOLOGICAL UNIVERSITY

(State University of Government of Karnataka Established as per the VTU Act, 1994)

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Web : https://vtu.ac.in

Ref. VTU/BOS/AC-MBA/2023-24/ 6901

Dated: 27 MAR 2024

### Revised-NOTIFICATION

**Subject:** Revised tentative- IV semester B.E./B.Tech., programs academic calendar regarding...

- Reference:**
01. VTU/BOS/AC2023-24/6540, Dated 27.02.2024
  02. VTU/Exam/QPDS/CW(2)/2023-24/1745, Dated; 21.03.2024
  03. VTU/Exam/QPDS/CW(2)/2023-24/1687, dated: 12.03.2024
  04. Hon'ble Vice-Chancellor's approval Dated:26.03.2024

Based on the examination timetable referred at 2 and 3, the commencement date for 4<sup>th</sup> semester B.E./B.Tech., program has been re-scheduled to 22.04.2024 and the academic calendar for 4<sup>th</sup> semester B.E./B.Tech., programs are published as below:

	For Regular Admitted Students, Lateral Entry (Diploma Graduate) Students and Working Professional (Diploma Graduates)	Remarks (Only applicable for Students admitted under working professional Category)
Commencement of the 4 <sup>th</sup> Semester and class	22.04.2024	The 3rd-semester Examination Time Table for Working Professionals will be published in the first week after the commencement of the 4th-semester classes
Last Working day of the Semester	07.08.2024	
Practical Examination	08.08.2024 to 17.08.2024	
Theory Examinations	19.08.2024 to 12.09.2024	
Commencement of 5 <sup>th</sup> Semester	16.09.2024	

The principals of all the colleges are hereby informed to bring the content of the NOTIFICATION to the notice of all concerned.

Sd/-

REGISTRAR

#### Please Note:

- If required, the college can plan to have extra classes on 1<sup>st</sup> and 3<sup>rd</sup> Saturdays and Sundays to complete academic activities within the academic duration mentioned. For regular and lateral entry, student academic activities should be conducted as per the academic calendar mentioned above.
  - The college has to prepare a flexible timetable for the students admitted under the category of **working professionals** so that they can attend the classes. However, as per AICTE guidelines, 60% of the classes can be held in **OFFLINE** mode and 40% of the classes can be conducted in **ONLINE** mode.

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- If required, the college can plan to have extra classes on the 1<sup>st</sup> and 3<sup>rd</sup> Saturdays and Sundays to complete the academic activities of the students admitted under the working professionals' category within the academic duration mentioned.
- The faculty handling the classes for working professionals has to maintain the attendance record properly and produce it whenever the university asks for it.
- Notification regarding the Calendar of Events relating to the conduct of University Examinations will be issued by the Registrar (Evaluation) from time to time.
- Academic Calendar **may be modified** based on guidelines/directions issued in the future by UGC/AICTE/State Government.
- The faculty/staff shall be available to undertake any work assigned by the university.
- If any suggestions/clarification please email-[registrar@vtu.ac.in](mailto:registrar@vtu.ac.in)

To,

The Principals of all the Engineering Colleges under the ambit of the university  
The Chairpersons/Program coordinators of the University Departments at Kalaburgi,  
Bengaluru, Mysuru and Belagavi

Copy to.

1. To the Hon'ble Vice-Chancellor through the secretary to VC, VTU Belagavi for information
2. The Registrar (Evaluation), VTU Belagavi for information and needful.
3. The Regional Directors (I/c) of all the regional offices of VTU for circulation.
4. The Director ITI SMU, VTU Belagavi for information and to make arrangements to upload the Academic Calendar on the VTU web portal.
5. The Director of Physical Education, VTU Belagavi for information
6. The Director, Central Placement Cell, VTU Belagavi for information
7. The Special Officer Library, VTU Belagavi for information
8. All the concerned Special Officer/s and Caseworker/s of the academic section, VTU, Belagavi.
9. Office copy

Recd 27/03/24 A-E  
REGISTRAR  
7.



# K. S. INSTITUTE OF TECHNOLOGY, BENGALURU-560109

TENTATIVE CALENDAR OF EVENTS: IV EVEN SEMESTER (2023-2024)

SESSION: APRIL TO AUG 2024



Week No.	Month	Day						Days	Activities
		Mon	Tue	Wed	Thu	Fri	Sat		
1	APR	22*	23	24	25	26 H	27	5	22* - Commencement of IV sem 26- Election 27- Wednesday Time Table
2	APR/ MAY	29	30	1 H	2	3	4 DH	4	1- May Day
3	MAY	6	7	8	9	10 H	11	5	10 - Basava Jayanthi 11- Friday Time Table
4	MAY	13	14	15	16	17 TA	18 DH	5	
5	MAY	20 T1	21 T1	22 T1	23	24	25	6	25- Monday Time Table
6	MAY/ JUNE	27 BV	28 ASD	29* FFB1	30	31	1 DH	5	29 - First Faculty Feed Back
7	JUNE	3	4	5	6	7	8	6	8- Monday Time Table
8	JUNE	10	11	12	13	14	15 DH	5	
9	JUNE	17 H	18	19	20	21	22 TA	5	17- Bakrid 22- Wednesday Time Table
10	JUNE	24 T2	25 T2	26 T2	27	28	29	6	29- Tuesday Time Table
11	JULY	1 BV	2 ASD	3* FFB2	4	5	6 DH	5	3 - First Faculty Feed Back
12	JULY	8	9	10	11	12	13	6	13- Friday Time Table
13	JULY	15	16	17 H	18	19 TA	20 DH	4	17- Last Day of Moharam
14	JULY	22	23	24	25	26	27	6	27- Wednesday Time Table
15	JULY/ AUG	29 T3	30 T3	31 T3	1 LT	2 LT	3 D/H	5	
16	AUG	5 LT	6	7*				3	7* - Last Working day

Total No of Working Days : 81

Total Number of working days ( Excluding holidays and Tests)=69

H	Holiday
BV	Blue Book Verification
T1, T2, T3	Tests 1,2,3
ASD	Attendance & Sessional Display
DH	Declared Holiday
LT	Lab Test
TA	Test attendance

Monday	13
Tuesday	14
Wednesday	14
Thursday	14
Friday	14
<b>Total</b>	<b>69</b>

*S. Kumar*  
3/4/24  
PRINCIPAL  
K.S. INSTITUTE OF TECHNOLOGY  
BENGALURU - 560 109.



# K. S. INSTITUTE OF TECHNOLOGY, BENGALURU-560109

DEPARTMENT CALENDAR OF EVENTS: IV EVEN SEMESTER (2023-2024)

SESSION: APRIL TO AUG 2024



Week No.	Month	Day						Days	Activities
		Mon	Tue	Wed	Thu	Fri	Sat		
1	APR	22*	23	24	25	26 H	27	5	22* - Commencement of IV sem 26- Election 27- Wednesday Time Table
2	APR/ MAY	29	30	1 H	2	3	4 DH	4	1- May Day
3	MAY	6	7	8	9	10 H	11	5	10 - Basava Jayanthi 11- Friday Time Table
4	MAY	13	14	15	16	17 TA	18 DH	5	
5	MAY	20 T1	21 T1	22 T1	23	24	25	6	25- Monday Time Table
6	MAY/ JUNE	27 BV	28 ASD	29* FFB1	30	31	1 DH	5	29 - First Faculty Feed Back
7	JUNE	3	4	5	6	7	8	6	3-5 Workshop 8- Monday Time Table
8	JUNE	10	11	12	13	14	15 DH	5	
9	JUNE	17 H	18	19	20	21	22 TA	5	17- Bakrid 22- Wednesday Time Table
10	JUNE	24T2	25 T2	26 T2	27	28	29	6	29- Tuesday Time Table
11	JULY	1BV	2 ASD	3* FFB2	4	5	6 DH	5	3 - First Faculty Feed Back 5-Tech Talk
12	JULY	8	9	10	11	12	13	6	13- Friday Time Table
13	JULY	15	16	17 H	18	19TA	20 DH	4	17- Last Day of Moharam
14	JULY	22	23	24	25	26	27	6	27- Wednesday Time Table
15	JULY/ AUG	29T3	30T3	31 T3	1 LT	2 LT	3D H	5	
16	AUG	5 LT	6	7*				3	7* - Last Working day

Total No of Working Days : 81

Total Number of working days ( Excluding holidays and Tests)=69

H	Holiday
BV	Blue Book Verification
T1, T2, T3	Tests 1,2,3
ASD	Attendance & Sessional Display
DH	Declared Holiday
LT	Lab Test

Monday	13
Tuesday	14
Wednesday	14
Thursday	14
Friday	14
<b>Total</b>	<b>69</b>

Head of the Department  
Dept. of Computers and Communication Engg.  
K. S. Institute of Technology  
Bengaluru - 560 109.

**KSIT**

# K. S. INSTITUTE OF TECHNOLOGY, BANGALORE

## IV SEM

### I SESSIONAL TEST TIME TABLE (2023-2024)

DATE: 20-5-2024

DATE	TIME	ARTIFICIAL INTELLIGENCE & MACHINE LEARNING	COMPUTER & COMMUNICATION ENGG	COMPUTER SCIENCE & DESIGN	COMPUTER SCIENCE & ENGG	COMPUTER SCIENCE & ENGG (ICB)	ELECTRONICS & COMMUNICATION ENGG	MECHANICAL ENGG
27-5-2024 MONDAY	9.30 AM TO 10.30 AM	ANALYSIS & DESIGN OF ALGORITHMS (BCS401)	ANALYSIS & DESIGN OF ALGORITHMS (BCS401)	ANALYSIS & DESIGN OF ALGORITHMS (BCG401)	ANALYSIS & DESIGN OF ALGORITHMS (BCS401)	ELEMENTS OF CYBER SECURITY & IoT (BIC401)	ELECTRO MAGNETICS THEORY (BEC401)	APPLIED THERMODYNAMICS (BME401)
	2.00 PM TO 3.80 PM	ARTIFICIAL INTELLIGENCE (BAD402)	MICRO CONTROLLERS (BCS402)	COMPUTER GRAPHICS & VISUALIZATION (BCG402)	MICRO CONTROLLERS (BCS402)	ANALYSIS & DESIGN OF ALGORITHMS (BCO402)	PRINCIPLES OF COMMUNICATION SYSTEM (BEC402)	MACHINING SCIENCE & METROLOGY (BME402)
28-5-2024 TUESDAY	9.30 AM TO 10.30 AM	DATABASE MANAGEMENT SYSTEMS (BCS403)	DATABASE MANAGEMENT SYSTEMS (BCS403)	DATABASE MANAGEMENT SYSTEMS (BCG403)	DATABASE MANAGEMENT SYSTEMS (BCS403)	DATABASE MANAGEMENT SYSTEMS (BCS403)	CONTROL SYSTEMS (BEC403)	FLUID MECHANICS (BME403)
	1.30 PM TO 2.30 PM	BIOLOGY FOR ENGINEERS (BBOK407)	BIOLOGY FOR ENGINEERS (BBOK407)	BIOLOGY FOR ENGINEERS (BBOK407)	BIOLOGY FOR ENGINEERS (BBOK407)	BIOLOGY FOR ENGINEERS (BBOK407)	BIOLOGY FOR ENGINEERS (BBOK407)	BIOLOGY FOR ENGINEERS (BBOK407)
29-5-2024 WEDNESDAY	9.30 AM TO 10.30 AM	DISCRETE MATHEMATICAL STRUCTURES (BCS405A)	DISCRETE MATHEMATICAL STRUCTURES (BCS405A)	DISCRETE MATHEMATICAL STRUCTURES (BCG405A)	DISCRETE MATHEMATICAL STRUCTURES (BCS405A)	DISCRETE MATHEMATICAL STRUCTURES (BCS405A)	MICRO CONTROLLERS (BEC405A)	NON TRADITIONAL MACHINING (BME405A)
	1.30 PM TO 2.30 PM	UNIVERSAL HUMAN VALUES (BUHK408)	UNIVERSAL HUMAN VALUES (BUHK408)	UNIVERSAL HUMAN VALUES (BUHK408)	UNIVERSAL HUMAN VALUES (BUHK408)	UNIVERSAL HUMAN VALUES (BUHK408)	UNIVERSAL HUMAN VALUES (BUHK408)	UNIVERSAL HUMAN VALUES (BUHK408)
<b>NOTE: All the students are strictly informed to wear LAB uniforms, College ID Card is compulsory during the test.</b>								

*J. Manjunath*  
20/5/24  
ACADEMIC COORDINATOR

*B. Kumar*  
PRINCIPAL  
PRINCIPAL  
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BENGALURU - 560 109



# K. S. INSTITUTE OF TECHNOLOGY, BANGALORE - 109

II SEMESTER, IV SEMESTER (2022 SCHEME) & VI SEMESTER (2021 SCHEME)  
SECOND (II SEM) & FIRST (IV, VI SEM) TEST SEATING ARRANGEMENT (ODD SEMESTER - 2023-2024)



## BLACK BOARD

Room No: NB LH 102 (FIRST FLOOR)

II 'B' CSE	IV ICB	VI ME
1KS23CS118	1KS22IC055	1KS21ME001
1KS23CS119	1KS22IC056	1KS21ME002
1KS23CS120	1KS22IC057	1KS21ME003
1KS23CS121	1KS22IC058	1KS21ME004
1KS23CS122	1KS22IC059	1KS21ME005
1KS23CS123	1KS22IC060	1KS21ME006

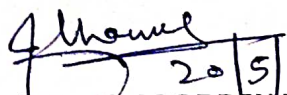
II 'B' CSE II 'C' CSE	IV ICB	VI ME
1KS23CS124	1KS22IC061	1KS21ME007
1KS23CS125	1KS22IC062	1KS21ME008
<b>1KS23CS126</b> C	PRASHANTH K	1KS21ME009
1KS23CS127	SREEHITHA P C	1KS21ME010
1KS23CS128	VINEETH G	1KS21ME011
1KS23CS129	---	1KS22ME400

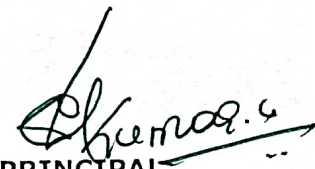
II 'C' CSE	IV CCE	VI ME
1KS23CS130	1KS22CM001	1KS22ME401
1KS23CS131	1KS22CM002	1KS22ME402
1KS23CS132	1KS22CM003	1KS22ME403
1KS23CS133	1KS22CM005	1KS22ME404
1KS23CS134	1KS22CM006	1KS22ME405
1KS23CS135	1KS22CM007	---

II CSE 'B' SEC=8 II CSE 'C' SEC=10 Total = 18

IV CSE (ICB)=11 IV CCE =6 Total = 17

VI ME Total = 17

  
20/5/24  
ACADEMIC COORDINATOR

  
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# K. S. INSTITUTE OF TECHNOLOGY, BANGALORE - 109

II SEMESTER, IV SEMESTER (2022 SCHEME) & VI SEMESTER (2021 SCHEME)  
SECOND (II SEM) & FIRST (IV,VI SEM) TEST SEATING ARRANGEMENT (ODD SEMESTER - 2023-2024)

**KSIT**

**BLACK BOARD**

**ROOM No: NB LH 104 (FIRST FLOOR)**

II 'C' CSE		IV CCE	II 'C' CSE		IV CCE	II 'C' CSE		IV CCE
1KS23CS136		1KS22CM008	1KS23CS142		1KS22CM014	1KS23CS148		1KS22CM020
1KS23CS137		1KS22CM009	1KS23CS143		1KS22CM015	1KS23CS149		1KS22CM021
1KS23CS138		1KS22CM010	1KS23CS144		1KS22CM016	1KS23CS150		1KS22CM022
1KS23CS139		1KS22CM011	1KS23CS145		1KS22CM017	1KS23CS151		1KS22CM023
1KS23CS140		1KS22CM012	1KS23CS146		1KS22CM018	1KS23CS152		1KS22CM024
1KS23CS141		1KS22CM013	1KS23CS147		1KS22CM019	1KS23CS153		1KS22CM025

II CSE 'C' SEC Total = 18

IV CCE Total = 18

  
20/5/24  
ACADEMIC COORDINATOR

  
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# K. S. INSTITUTE OF TECHNOLOGY, BANGALORE - 109

## II SEMESTER, IV SEMESTER (2022 SCHEME) & VI SEMESTER (2021 SCHEME)

### SECOND (II SEM) & FIRST (IV,VI SEM) TEST SEATING ARRANGEMENT (ODD SEMESTER - 2023-2024)



#### BLACK BOARD

Room No: OB SH 307 (THIRD FLOOR SEMINAR HALL)

II 'C' CSE	IV CCE
1KS23CS154	1KS22CM026
1KS23CS155	1KS22CM028
1KS23CS156	1KS22CM030
1KS23CS157	1KS22CM031
1KS23CS158	1KS22CM032
1KS23CS159	1KS22CM033
1KS23CS160	1KS22CM034
1KS23CS161	1KS22CM035
1KS23CS162	1KS22CM036
1KS23CS163	1KS22CM037
1KS23CS164	1KS22CM038
1KS23CS165	1KS22CM039

II 'C' CSE	IV CCE
1KS23CS166	1KS22CM040
1KS23CS167	1KS22CM041
1KS23CS168	1KS22CM042
1KS23CS169	1KS22CM043
1KS23CS170	1KS22CM044
1KS23CS171	1KS22CM045
1KS23CS172	1KS22CM046
1KS23CS173	1KS22CM047
1KS23CS175	1KS22CM048
1KS23CS176	1KS22CM049
1KS23CS177	1KS22CM050
1KS23CS178	1KS22CM051

II 'C' CSE II 'D' CSD	IV CCE
1KS23CS179	1KS22CM052
1KS23CS180	1KS22CM053
1KS23CS181	1KS22CM054
1KS23CS182	1KS22CM055
1KS23CS183	1KS22CM057
1KS23CS184	1KS22CM058
1KS23CS185	1KS22CM059
1KS23CS186	1KS22CM060
1KS23CS187	CHANDRASH EKHARA SWAMY T
1KS23CS188	CHETAN S KORADAKER
<b>1KS23CG001</b>	PRANATHI SAI M
1KS23CG002	RAKESH KUMAR R

II CSE 'C' SEC=34 II CSD 'D' SEC=2 Total = 36

IV CCE Total = 36

*[Signature]*  
20/5/24  
ACADEMIC COORDINATOR

*[Signature]*

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BENGALURU - 560 109.



# K. S. INSTITUTE OF TECHNOLOGY, BANGALORE - 109

II SEM - 2nd CIE, IV & VI SEM- 1st CIE INVIGILATION DUTY (2023-2024)

Date	Timings	OB 007	OB 008	OB 101	OB 104	OB 105	OB 106	OB 201	OB 203	OB 204	OB 205	OB 206	OB 207	OB 208	OB 209	OB 305	OB 306	OB 310
27/05/2024 MONDAY	9:30 am to 10:30 am	MV (BS)	SBS (BS)	TR (BS)	NV (BS)	SV (ECE)	BA (ECE)	BHA (ECE)	KBM (ECE)	AP (ECE)	AR (ECE)	RKM (AIML)	SA (CSD)	HU (ME)	MBR (ME)	RN (ME)	AK (ME)	KK (CSE)
	2:00 pm to 3:00 pm	SBS (BS)	TR (BS)	NV (BS)	SV (ECE)	BA (ECE)	BHA (ECE)	KBM (ECE)	AP (ECE)	AR (ECE)	RKM (AIML)	SA (CSD)	HU (ME)	MBR (ME)	RSV (CSE)	AK (ME)	KK (CSE)	MV (BS)
28/05/2024 TUESDAY	9:30 am to 10:30 am	BS (BS)	MN (BS)	KRS (BS)	SN (BS)	KTN (BS)	SG (BS)	PHS (CSE)	PKN (CSE)	KG (CSE)	ND (CSE)	STS (CSE)	LK (CSE)	ALB (CSE)	RKR (ECE)	SBR (ECE)	SKB (ECE)	PV (ECE)
	1.30 pm to 2.30 pm	TR (BS)	MV (BS)	SRC (BS)	HS (BS)	SK (BS)	KK (CSE)	KG (CSE)	SSB (CSE)	RSV (CSE)	SCH (CSE)	RR (CSE)	SR (CSE)	AR (ECE)	SS (ECE)	CJS (ECE)	BHA (ECE)	BA (ECE)
	3:00 pm to 4:00 pm	SN (BS)	BS (BS)	MN (BS)	KRS (BS)	NV (BS)	KTN (BS)	SG (BS)	SBS (BS)	PHS (CSE)	PKN (CSE)	SRS (ME)	ND (CSE)	STS (CSE)	LK (CSE)	ALB (CSE)	RKR (ECE)	SBR (ECE)
29/05/2024 WEDNESDAY	9:30 am to 10:30 am	PHS (CSE)	PKN (CSE)	KG (CSE)	ND (CSE)	STS (CSE)	LK (CSE)	ALB (CSE)	RKR (ECE)	SBR (ECE)	SN (BS)	BS (BS)	MN (BS)	KRS (BS)	NV (BS)	KTN (BS)	SG (BS)	SBS (BS)
	1.30 pm to 2.30 pm	PHS (CSE)	RS (CSE)	SSB (CSE)	RSV (CSE)	SCH (CSE)	RR (CSE)	SR (CSE)	AR (ECE)	SS (ECE)	TR (BS)	MV (BS)	SRC (BS)	HS (BS)	SK (BS)	BHA (ECE)	BA (ECE)	CJS (ECE)
	3:00 pm to 4:00 pm	LK (CSE)	ALB (CSE)	SR (CSE)	SSB (CSE)	RSV (CSE)	DKDS (ECE)	CJS (ECE)	MN (BS)	KRS (BS)	SN (BS)	KTN (BS)	SG (BS)	SRC (BS)	SK (BS)	PKN (CSE)	ND (CSE)	STS (CSE)

for   
ACADEMIC COORDINATOR  
25/5/24



PRINCIPAL

PRINCIPAL  
K.S. INSTITUTE OF TECHNOLOGY  
BENGALURU - 560 109.

# K. S. INSTITUTE OF TECHNOLOGY, BANGALORE - 109

II SEM - 2nd CIE, IV & VI SEM- 1st CIE INVIGILATION DUTY (2023-2024)

Date	Timings	OB 311	OB 403	OB 407	OB 412	NB 101	NB 102	NB 104	OB SH307	NB 202	NB 203	NB 205	NB 301	NB 302	NB 304	NB 401	NB 404
27/05/2024 MONDAY	9:30 am to 10:30 am	RS (CSE)	RR (CSE)	NG (ECE)	GB (ECE)	TC (ECE)	NT (BS)	VN (BS)	SCH (CSE) CK (AIML)	LKM (AIML)	PS (ME)	GL (ME)	AMH (IOT)	OP (CCE)	AN (CSD)	RBN (CSE)	SMS (CSE)
	2:00 pm to 3:00 pm	RR (CSE)	NG (ECE)	GB (ECE)	TC (ECE)	NT (BS)	VN (BS)	SCH (CSE)	RS (CSE) OP (CCE)	CK (AIML)	LKM (AIML)	PS (ME)	GL (ME)	AMH (IOT)	RBN (CSE)	SMS (CSE)	AN (CSD)
28/05/2024 TUESDAY	9:30 am to 10:30 am	EAJA (ECE)	VD (ECE)	PA (ECE)	SST (ECE)	NKS (ECE)	NM (ME)	NKS (ME)	KP (ME) RGL (ME)	NL (ME)	SM (AIML)	RP (AIML)	WY (CSD)	SS (CSD)	NJT (CCE)	RBM (IOT)	RVM (IOT)
	1.30 pm to 2.30 pm	KBM (ECE)	AP (ECE)	SV (ECE)	DKDS (ECE)	HU (ME)	MBR (ME)	RN (ME)	AK (ME) SRS (ME)	RKM (AIML)	PHN (AIML)	PK (AIML)	SA (CSD)	NJT (CCE)	RBM (IOT)	RVM (IOT)	AB (CSD)
	3:00 pm to 4:00 pm	SKB (ECE)	PV (ECE)	EAJA (ECE)	VD (ECE)	PA (ECE)	SST (ECE)	NKS (ECE)	NM (ME) NKS (ME)	KP (ME)	RGL (ME)	NL (ME)	SM (AIML)	RP (AIML)	WY (CSD)	SS (CSD)	AB (CSD)
29/05/2024 WEDNESDAY	9:30 am to 10:30 am	KP (ME)	RGL (ME)	NL (ME)	SM (AIML)	RP (AIML)	WY (CSD)	SS (CSD)	NKS (ECE) SST (ECE)	AB (CSD)	SKB (ECE)	PV (ECE)	EAJA (ECE)	VD (ECE)	PA (ECE)	NKS (ME)	NM (ME)
	1.30 pm to 2.30 pm	RKM (AIML)	PHN (AIML)	PK (AIML)	SA (CSD)	NJT (CCE)	AK (ME)	SRS (ME)	RBM (IOT) RVM (IOT)	KBM (ECE)	AP (ECE)	SV (ECE)	DKDS (ECE)	HU (ME)	MBR (ME)	RN (ME)	RGL (ME)
	3:00 pm to 4:00 pm	RKR (ECE)	SKB (ECE)	PV (ECE)	PA (ECE)	NKS (ECE)	SS (ECE)	WY (CSD)	SS (CSD) AB (CSD)	SRS (ME)	SM (AIML)	RP (AIML)	PHN (AIML)	PK (AIML)	RVM (IOT)	NJT (CCE)	RBM (IOT)

*[Signature]*  
ACADEMIC COORDINATOR  
25/5/24

*[Signature]*  
PRINCIPAL

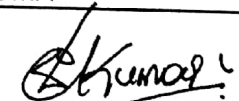
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K.S. INSTITUTE OF TECHNOLOGY  
BENGALURU - 560 109.

**K. S. INSTITUTE OF TECHNOLOGY, BANGALORE - 109**  
**CIE TEST INVIGILATION NAMES WITH INITIALS - 2023-2024 (EVEN SEM)**

SL. NO.	DEPARTMENT	NAME OF THE INVIGILATOR	INITIALS
1	BS	DR. VENKATARAMANA B S	BS
2		MRS. MAMATHA N	MN
3		MRS. ANURADHA M V	MV
4		MRS. TEJASWINI R	TR
5		MRS. SHYLAJA K R	KRS
6		MR. SUNIL KUMAR N	SN
7		MR. KAVYA T N	KTN
8		MRS. SHOBHA G	SG
9		MRS. SOWMYA RANI C	SRC
10		MR. NAVEEN V	NV
11		DR. HARISHA S	HS
12		DR. SHASHIKALA B S	SBS
13		DR. SHEEJA KRISHNAN	SK
14	CSE	MR. KUMAR K	KK
15		MR. PRASHANTH H S	PHS
16		MRS. PALLAVI K N	PKN
17		DR. R SENKAMALAVALLI	RS
18		MR. KRISHNA GUDI	KG
19		MRS. NAMYPRIYA D	ND
20		MRS. SHRUTHI T S	STS
21		MR. LAXMIKANTHA K	LK
22		MR. ABHILASH L BHATT	ALB
23		MRS. SWAPNA S BANASODE	SSB
24		MRS. ROOPASHREE S V	RSV
25		DR. SUNITHA CHALAGERI	SCH
26		MRS. RAMYA R	RR
27		MRS. SUMA RAJESH	SR
28	AIML	MRS. ROOPA K M	RKM
29		MRS. SUDHA M	SM
30		MRS. RENUKA PATIL	RP
31		MRS. POORNIMA H N	PHN
32		MRS. PREETHA KAMATH	PK
33	IOT	MRS. RAJASHREE M BYALAL	RMB
34		MRS. RACHANA V MURTHY	RVM

SL. NO.	DEPARTMENT	NAME OF THE INVIGILATOR	INITIALS
35	ECE	MRS. RAMYA K R	RKR
36		MR. SANTOSH KUMAR B R	SBR
37		MRS. AMRUTHA R	AR
38		MR. SATISH KUMAR B	SKB
39		MRS. PRIYADARSHINI V	PV
40		DR. ELECTA ALICE JAYARANI A	EAJA
41		MRS. VISHALINI DIVAKAR	VD
42		MR. PRAVEEN A	PA
43		MR. SALEEM S TEVARAMANI	SST
44		MR. NAVEEN KUMAR S	NKS
45		MRS. SUMA SANTOSH	SS
46		MR. CHRISTO JAIN S	CJS
47		MRS. BHANUMATHI A	BHA
48		MRS. BHARGAVI ANANTH	BA
49		MRS. KAVYA B M	KBM
50		MRS. ANITHA P	AP
51		MRS. SANGEETHA V	SV
52	DR. DINESH KUMAR D S	DKDS	
53	ME	MR. HARISH U	HU
54		MR. MANJUNATH B R	MBR
55		MR. NAGABHUSHANA M	NM
56		MR. RANGANATH N	RN
57		DR. NAGAPRASAD K S	NKS
58		MR. K PRASAD	KP
59		MR. RAJESH G L	RGL
60		MR. ANIL KUMAR A	AK
61	DR. NIRMALA L	NL	
62	DR. SRINIDHI ACHARYA S R	SRS	
63	CSD	MR. WASIM YASIN	WY
64		MRS. SUSHMA A	SA
65		MRS. SATHYA SHEELA	SS
66		AMMU BHUVANA	AB
67	CCE	MRS. NAGA JYOTHI T	NJT


for  25/5/24  
 ACADEMIC COORDINATOR

  
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 BENGALURU - 560 109.

**K. S. INSTITUTE OF TECHNOLOGY, BANGALORE - 109**  
**II SEM - 2nd CIE, IV & VI SEM- 1st CIE INVIGILATION DUTY (2023-2024)**

Date	Timings	Squad Members
27/05/2024 MONDAY	9:30 am to 10:30 am	MUS(ME) JP (BS) PNS (ECE)
	2:00 pm to 3:00 pm	BS(ECE) CVR(CSE) VM(AIML)
28/05/2024 TUESDAY	9:30 am to 10:30 am	MUS(ME) DSR (CSD) GTR(ME)
	3:00 pm to 4:00 pm	CVR(CSE) BS(ECE) GH(IOT)
29/05/2024 WEDNESDAY	9:30 am to 10:30 am	JP(BS) DSR(CSD) GTR(ME)
BS : Dr. Jalaja P (JP) ECE : Dr. P N Sudha (PNS), Dr. B Sudarshan (BS) ME : Dr. Umashankar M (MUS), Dr. Girish T R (GTR) CCE : Dr. Chanda V Reddy (CVR) CSD: Dr. Deepa S R (DSR) AIML: Dr. Vijaylaxmi Mekali (VM) IOT: Dr. Ganga Holi (GH)		

  
ACADEMIC COORDINATOR  
25/5/24

  
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BENGALURU - 560 109.

# K. S. INSTITUTE OF TECHNOLOGY, BANGALORE - 109

II SEM - 2nd CIE, IV & VI SEM- 1st CIE INVIGILATION DUTY (2023-2024)

Non Teaching Staff Duty

## Distribution and Collection of Blue Books

Date	Timings	Staff
27/05/2024 MONDAY	9:30 am to 10:30 am	ANS (CSE), PR (CSE), KMN (CSE), VKV (CSE), SC (ECE), NV (ECE), VV (ME), TG (ME), GML (AIML), SH (CSD), AW (CSD)
	2:00 pm to 3:00 pm	ANS (CSE), PR (CSE), KMN (CSE), VKV (CSE), SC (ECE), NV (ECE), VV (ME), TG (ME), GML (AIML), SH (CSD), AW (CSD)
28/05/2024 TUESDAY	9:30 am to 10:30 am	SMS (CSE), RBN (CSE), DN (ECE), GB (ECE), TC (ECE), GL (ME), LKM (AIML), CK (AIML), AN (CSD), AH (IOT), OP (CCE), NT (BS), VN (BS)
	1.30 pm to 2.30 pm	ANS (CSE), PR (CSE), KMN (CSE), VKV (CSE), SC (ECE), NV (ECE), VV (ME), TG (ME), GML (AIML), SH (CSD), AW (CSD)
	3:00 pm to 4:00 pm	SMS (CSE), RBN (CSE), DN (ECE), GB (ECE), TC (ECE), GL (ME), LKM (AIML), CK (AIML), AN (CSD), AH (IOT), OP (CCE), NT (BS), VN (BS)
29/05/2024 WEDNESDAY	9:30 am to 10:30 am	ANS (CSE), PR (CSE), KMN (CSE), VKV (CSE), SC (ECE), NV (ECE), VV (ME), TG (ME), GML (AIML), SH (CSD), AW (CSD)
	1.30 pm to 2.30 pm	SMS (CSE), RBN (CSE), DN (ECE), GB (ECE), TC (ECE), GL (ME), LKM (AIML), CK (AIML), AN (CSD), AH (IOT), OP (CCE), NT (BS), VN (BS)
	3:00 pm to 4:00 pm	ANS (CSE), PR (CSE), KMN (CSE), VKV (CSE), SC (ECE), NV (ECE), VV (ME), TG (ME), GML (AIML), SH (CSD), AW (CSD)

**CSE:** Mrs. Suma M S (SMS), Mrs. Asha latha N S (ANS), Mrs. Rekha B N (RBN), Mrs. Preethi R (PR), Keerthana M N (KMN), Vimala Kumari V (VKV)

**ECE:** Mr. Nagraj D (DN), Mrs. Gangalakshmi (GB), Mrs. Shantha C (SC), Mr. Naveen (NV), Mrs. Triveni C (TC)

**ME:** Mr. Venkataramana (VV), Mr. Thulasi Babu G (TG), Mr. Govindaswamy L (GL), Mr. Palaksha S (PS)

**AIML:** Mr. Ganesh M L (GML), Mrs. Lakshmi K M (LKM), Chetan Kannur (CK)

**CSD:** Ms. Sushma (SH), Mrs. Ashwini (AW), Mrs. Aruna (AN)

**IOT:** Mrs. Anitha H (AH)

**CCE:** Mr. Om Prakash (OP)

**BS:** Ms. Nikhitha T (NT), Mrs. Vani N (VN)

  
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**K. S. INSTITUTE OF TECHNOLOGY, BANGALORE - 109**  
**II SEM - 2nd CIE, IV & VI SEM- 1st CIE INVIGILATION DUTY (2023-2024)**

**Non Teaching Staff Duty**

**Room Incharges**

<b>Invigilation Rooms</b>	OB 007	OB 008	OB 101	OB 104	OB 105	OB 106	OB 201	OB 203	OB 204	OB 205	OB 206	OB 207	OB 208	OB 209	OB 305	OB 306	OB 310
<b>Department &amp; Staff Names</b>	SN (CSE)		RK (CSE)		GV (CSE)		KG (CSE)		JT (CSE)		ES (ECE)		RS (ECE)		SV (ECE)		KM (ECE)
<b>Invigilation Rooms</b>	OB 311	OB 403	OB 407	OB 412	NB 101	NB 102	NB 104	OB SH307	NB 202	NB 203	NB 205	NB 301	NB 302	NB 304	NB 401	NB 404	
<b>Department &amp; Staff Names</b>	SH (ECE)		NK (ME)		STR (ME)		AS (ME)		VS (AIML)	GH (AIML)	DP (BS)	KP (BS)	JU (BS)	GR (CSD)	PB (CSD)	DN (IOT)	

CSE: Saraswathi N (SN), Raghavendra K (RK), Geetha V (GV), Kumari G (KG), Jyothi (JT)

ECE: Eshwari R (ES), Rekha (RS), Savithramma (SV), Kumar (KM), Shivanna (SH)

ME: Neela K (NK), Sanjay T R (STR), Ananda S (AS)

AIML: V Shakunthamma (VS), Ganesh H (GH)

BS: D Poojitha (DP), K Pallavi (KP), J Usha (JU)

CSD: Gowramma (GR), Paras Bhandari (PB)

IOT: Dhanamma (DN)

*[Signature]*  
 ACADEMIC COORDINATOR  
 25/5/24

*[Signature]*  
 PRINCIPAL  
 PRINCIPAL  
 K.S. INSTITUTE OF TECHNOLOGY  
 BENGALURU - 560 109.

**K.S.INSTITUTE OF TECHNOLOGY, BANGALORE - 109**

**Department of Computer And Communication Engg.**

**Attendance of IV CCE for First Internal Test**

Room No: NB LH 102 (First Floor)

SL.NO	REGISTER NO.	ANALYSIS & DESIGN OF ALGORITHMS (BCS401)	MICRO CONTROLLER S (BCS402)	DATABASE MANAGEMENT SYSTEMS (BCS403)	BIOLOGY FOR ENGINEERS (BBOK407)	DISCRETE MATHEMATICAL STRUCTURES (BCS405A)	UNIVERSAL HUMAN VALUES (BUHK408)
1	1KS22CM001	Adithyan	Adithyan	Adithyan	Adithyan	Adithyan	Adithyan
2	1KS22CM002	Aishwarya	Aishwarya	Aishwarya	Aishwarya	Aishwarya	Aishwarya
3	1KS22CM003	Anusha	Anusha	Anusha	Anusha	Anusha	Anusha
4	1KS22CM005	AD	K-AB->	-AB-	-AB-	-AB-	-AB-
5	1KS22CM006	Arun	Arun	Arun	Arun	Arun	Arun
6	1KS22CM007	Aishwarya	Aishwarya	Aishwarya	Aishwarya	Aishwarya	Aishwarya
DATE:		27.5.24	27/5/24	28/5/24	28/5/24	29/5/24	29/5/24
NO. OF STUDENTS PRESENT		05	05	05	05	05	05
NO. OF STUDENTS ABSENT		01	01	01	01	01	01
NAME OF INVIGILATOR		Nikitha.T	N.Vani	ET-RAJESH	RAJESHGL	WASIM	Arun
SIGNATURE OF INVIGILATOR		A.T	N.Vani	ET-RAJESH	Rajesh	WASIM	Arun

**K.S.INSTITUTE OF TECHNOLOGY, BANGALORE - 109**

**Department of Computer And Communication Engg.**

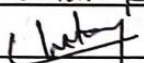
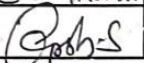
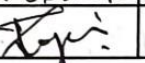

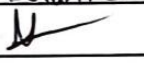
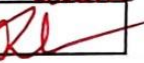
**Attendance of IV CCE for First Internal Test**

Room No: NB LH 104 (First Floor)

SL.N O	REGISTER NO.	ANALYSIS & DESIGN OF ALGORITHMS (BCS401)	MICRO CONTROLLER S (BCS402)	DATABASE MANAGEMENT SYSTEMS (BCS403)	BIOLOGY FOR ENGINEERS (BBOK407)	DISCRETE MATHEMATICAL STRUCTURES (BCS405A)	UNIVERSAL HUMAN VALUES (BUHK408)
1	1KS22CM008	Brundha	Brundha	Brundha	-AB-	Brundha	Brundha
2	1KS22CM009	←AB→	-AB-	-AB-	AB	←AB→	-AB-
3	1KS22CM010	Brundha	Brundha	Brundha	Brundha	Brundha	Brundha
4	1KS22CM011	Brinda.S	Brinda.S	Brinda.S	Brinda.S	Brinda.S	Brinda.S
5	1KS22CM012	Deeksha.H.P	Deeksha.H.P	Deeksha.H.P	Deeksha.H.P	Deeksha.H.P	Deeksha.H.P
6	1KS22CM013	←AB→	Deeksha	Deeksha	Deeksha	Deeksha	Deeksha
7	1KS22CM014	Dip	Dip	Dip	Dip	Dip	Dip
8	1KS22CM015	Divy	Divy	Divy	Divy	Divy	Divy
9	1KS22CM016	Disha	Disha	Disha	Disha	Disha	Disha
10	1KS22CM017	Gangotri.P	Gangotri.P	Gangotri.P	Gangotri.P	Gangotri.P	Gangotri.P
11	1KS22CM018	Randana.H.R	Randana.H.R	Randana.H.R	Randana.H.R	Randana.H.R	Randana.H.R
12	1KS22CM019	Hajira	Hajira	Hajira	Hajira	Hajira	Hajira
13	1KS22CM020	Arshada	Arshada	Arshada	Arshada	AB	Arshada
14	1KS22CM021	Hemanth.B.R	Hemanth	-AB-	Hemanth	Hemanth	Hemanth
15	1KS22CM022	Shreya	Shreya	-AB-	Shreya	Shreya	Shreya
16	1KS22CM023	Shreya	Shreya	Shreya	Shreya	Shreya	-AB-
17	1KS22CM024	Toshi	Toshi	Toshi	Toshi	Toshi	Toshi
18	1KS22CM025	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran
DATE:		27/5/24	27/5/24	28/MAY/2024	28/5/24	29/5/24	29/5/24
NO. OF STUDENTS PRESENT		16	17	15	16	16	16
NO. OF STUDENTS ABSENT		02	01	-03-	02	02	02
NAME OF INVIGILATOR		N.Vani	DR.SUNIL	SRINIDHI ACHARIA.S.B	TEJASWINI	SATHYA SHEELA	DR.NAGAN
SIGNATURE OF INVIGILATOR		N.Vani	S	A	T	S	N





30	1KS22CM058	Y. Ishitha	Y. Ishitha	Y. Ishitha	Y. Ishitha	Y. Ishitha	Y. Ishitha
31	1KS22CM059	Y. Ceyf	Y. Ceyf	Y. Ceyf	Y. Ceyf	Y. Ceyf	Y. Ceyf
32	1KS22CM060	Y. Kishu	Y. Kishu	Y. Kishu	Y. Kishu	Y. Kishu	Y. Kishu
33	CHANDRASHEKHA RA SWAMY T	Chandro swamy	Chandro swamy	Chandro swamy	Chandro swamy	Chandro swamy	Chandro swamy
34	CHETAN S KORADAKERT	Chetan S	Chetan S	CSK	CSK	CSK	CSK
35	PRANATHI SAI M	<del>P</del>	<del>P</del>	<del>P</del>	<del>P</del>	<del>P</del>	<del>P</del>
36	RAKESH KUMAR R	R	R	R	AB	← AB →	ABSENT
DATE:		27/5/24	27/5/24	28/5/24	28/5/24	29/5/24	29/5/24
NO. OF STUDENTS PRESENT		33	34	30	32	31	33
NO. OF STUDENTS ABSENT		03	02	06	04	05	03
NAME OF INVIGILATOR		Chetan K	SOMAPRAKASH	RAJESH G	ANIL	MAHEEN KUMAR S	Radhana
SIGNATURE OF INVIGILATOR							



# K.S. INSTITUTE OF TECHNOLOGY, BENGALURU - 560109

## FIRST INTERNAL TEST QUESTION PAPER 2023-24 EVEN SEMESTER

**SET: B**

Degree : B.E  
 Branch - Stream : CCE-CSE  
 Course Title : ADA  
 Duration : 1 hour (60 minutes)

USN									
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Semester : IV  
 Course Type / Code : Regular/BCS401  
 Date : 27/5/2024  
 Max Marks : 25

Note: Answer **ONE full** question from each Module.

Bloom's-Levels: I-Remembering, II-Understanding, III-Appling, IV-Analyzing, V-Evaluating, VI-Creating

Q No.	Questions	Marks	CO	B-Level
<b>Module 1</b>				
1(a)	<b>Obtain</b> for each of the functions, how much the functions value will change if its argument value increased fourfold. (i) $\log_2 n$ (ii) $n^2$ (iii) $2^n$	5	CO1	K3
(b)	<b>Design</b> and explain the different types of Asymptotic notations with an example and definition.	10	CO1	K3
<b>OR</b>				
2(a)	<b>Obtain</b> step count for the program to add two matrices of $m*n$ where $m$ is the number of rows and $n$ is the number of columns also define Time and Space complexity.	5	CO1	K3
(b)	<b>Design</b> an algorithm to search for a pattern string in a given text string and trace it with an example and list the following functions according to their order of growth from lowest to highest. $(n-2)!$ $5\log(n+100)$ , $2^{2n}$ , $0.001n^4+3n^3$ , $\sqrt[3]{n}$ , $3^n$ , $\ln^2 n$	10	CO1	K3
3(a)	<b>Design</b> an algorithm to solve the Knapsack problem using Greedy method and obtain the optimum solution for the same using fractional method. $M=60$ Capacity of the Knapsack, $n=5$ number of objects, find the total profit.	10	CO2	K3
<b>OR</b>				
4(a)	<b>Design</b> an algorithm for Merge sort, analyze its time complexity. Apply the same to trace the following elements shown below using recursive method. $60, 50, 25, 10, 35, 45, 75, 30$	10	CO2	K3

*Sheeja*  
24/5/2024

Name & Signature of  
Course In charge:

*For Sheeja HC*  
24/5/2024

Name & Signature of  
Module Coordinator:

*[Signature]*  
HOD

*[Signature]*  
Principal



**K.S. INSTITUTE OF TECHNOLOGY, BENGALURU - 560109**  
**FIRST INTERNAL TEST QUESTION PAPER 2023-24 EVEN SEMESTER**

SET: A

Degree : B.E  
Branch - Stream : CCE  
Course Title : MICROCONTROLLERS  
Duration : 1 Hr ( 60 minutes)


USN									
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Semester : IV  
Course Type / Code : IPCC / BCS402  
Date : 27 - 05 - 2024  
Max Marks : 25

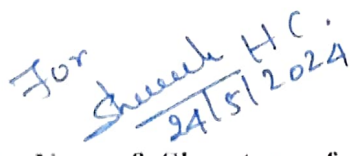
Note: Answer **ONE full** question from each Module.

K-Levels: K1-Remembering, K2-Understanding, K3-Appling, K4-Analyzing, K5-Evaluating, K6-Creating

Q No.	Questions	Marks	CO	K-Level
<b>Module 1</b>				
1(a)	Make use of the basic layout of a generic program status register and explain all the 4 major fields and also name the processor modes.	10	CO1	K3
(b)	Explain the four major design rules of RISC Philosophy.	5		K2
<b>OR</b>				
2(a)	Make use of the block diagram and illustrate the ARM core dataflow model in detail.	10	CO1	K3
(b)	Distinguish between Microcontroller and Microprocessor.	5		K2
<b>Module 2</b>				
3(a)	Make use of the block diagram explain Barrel Shifter and write the different shift operations that can be used within the barrel shifter.	10	CO2	K3
<b>OR</b>				
4(a)	Make use of the following Mnemonics to explain the instruction with an example a. ORR b. BIC c. RSB d. SUB e. ADD	10	CO2	K3

  
Name & Signature of  
Course In charge:

Rachana.V.Murthy

For  
  
24/5/2024  
Name & Signature of  
Module Coordinator:

  
HOD

  
Principal



# K. S. INSTITUTE OF TECHNOLOGY, BANGALORE

## IV SEM

### II SESSIONAL TEST TIME TABLE (2023-2024)

DATE: 18-6-2024

DATE	TIME	ARTIFICIAL INTELLIGENCE & MACHINE LEARNING	COMPUTER & COMMUNICATION ENGG	COMPUTER SCIENCE & DESIGN	COMPUTER SCIENCE & ENGG	COMPUTER SCIENCE & ENGG (ICB)	ELECTRONICS & COMMUNICATION ENGG	MECHANICAL ENGG
27-6-2024 THURSDAY	9.30 AM TO 10.30 AM	ANALYSIS & DESIGN OF ALGORITHMS (BCS401)	ANALYSIS & DESIGN OF ALGORITHMS (BCS401)	ANALYSIS & DESIGN OF ALGORITHMS (BCG401)	ANALYSIS & DESIGN OF ALGORITHMS (BCS401)	ELEMENTS OF CYBER SECURITY & IoT (BIC401)	ELECTRO MAGNETICS THEORY (BEC401)	APPLIED THERMODYNAMICS (BME401)
	2.00 PM TO 3.00 PM	ARTIFICIAL INTELLIGENCE (BAD402)	MICRO CONTROLLERS (BCS402)	COMPUTER GRAPHICS & VISUALIZATION (BCG402)	MICRO CONTROLLERS (BCS402)	ANALYSIS & DESIGN OF ALGORITHMS (BCO402)	PRINCIPLES OF COMMUNICATION SYSTEM (BEC402)	MACHINING SCIENCE & METROLOGY (BME402)
28-6-2024 FRIDAY	9.30 AM TO 10.30 AM	DATABASE MANAGEMENT SYSTEMS (BCS403)	DATABASE MANAGEMENT SYSTEMS (BCS403)	DATABASE MANAGEMENT SYSTEMS (BCG403)	DATABASE MANAGEMENT SYSTEMS (BCS403)	DATABASE MANAGEMENT SYSTEMS (BCS403)	CONTROL SYSTEMS (BEC403)	FLUID MECHANICS (BME403)
	2.00 PM TO 3.00 PM	BIOLOGY FOR ENGINEERS (BBOK407)	BIOLOGY FOR ENGINEERS (BBOK407)	BIOLOGY FOR ENGINEERS (BBOK407)	BIOLOGY FOR ENGINEERS (BBOK407)	BIOLOGY FOR ENGINEERS (BBOK407)	BIOLOGY FOR ENGINEERS (BBOK407)	BIOLOGY FOR ENGINEERS (BBOK407)
29-6-2024 SATURDAY	9.30 AM TO 10.30 AM	DISCRETE MATHEMATICAL STRUCTURES (BCS405A)	DISCRETE MATHEMATICAL STRUCTURES (BCS405A)	DISCRETE MATHEMATICAL STRUCTURES (BCG405A)	DISCRETE MATHEMATICAL STRUCTURES (BCS405A)	DISCRETE MATHEMATICAL STRUCTURES (BCS405A)	MICRO CONTROLLERS (BEC405A)	NON TRADITIONAL MACHINING (BME405A)
	2.00 PM TO 3.00 PM	UNIVERSAL HUMAN VALUES (BUHK408)	UNIVERSAL HUMAN VALUES (BUHK408)	UNIVERSAL HUMAN VALUES (BUHK408)	UNIVERSAL HUMAN VALUES (BUHK408)	UNIVERSAL HUMAN VALUES (BUHK408)	UNIVERSAL HUMAN VALUES (BUHK408)	UNIVERSAL HUMAN VALUES (BUHK408)
NOTE: All the students are strictly informed to wear LAB uniforms, College ID Card is compulsory during the test.								

*Alhassan*  
18/6/24  
ACADEMIC COORDINATOR

*Principals*  
PRINCIPAL  
K. S. INSTITUTE OF TECHNOLOGY  
BENGALURU - 560 109.



**KSIT**  
K.S. INSTITUTE OF TECHNOLOGY

**K.S.INSTITUTE OF TECHNOLOGY, BANGALORE - 109**  
**IV SEMESTER (2022 SCHEME) & V1 SEMESTER (2021 SCHEME)**  
**SECOND INTERNAL TEST SEATING ARRANGEMENT (EVEN SEMESTER - 2023-2024)**

**BLACK BOARD**

**Room No: OB LH 306 (3RD FLOOR)**

IV ICB	VI AIML	IV ICB
1KS22IC049	1KS21AI056	1KS22IC055
1KS22IC050	1KS21AI057	1KS22IC056
1KS22IC051	1KS21AI058	1KS22IC057
1KS22IC052	1KS20AI024	1KS22IC058
1KS22IC053	1KS20AI029	1KS22IC059
1KS22IC054	1KS20AI040	1KS22IC060

VI AIML	IV ICB	VI AIML
1KS22AI400	1KS22IC061	1KS22AI406
1KS22AI401	1KS22IC062	-
1KS22AI402	PRASHANTH K	-
1KS22AI403	SREEHITHA P C	-
1KS22AI404	VINEETH G	-
1KS22AI405	-	-

IV CCE		IV CCE
1KS22CM001		1KS22CM008
1KS22CM002		1KS22CM009
1KS22CM003		1KS22CM010
1KS22CM005		1KS22CM011
1KS22CM006		1KS22CM012
1KS22CM007		1KS22CM013

**IV ICB =17    IV CCE=12 Total = 29**

**VI AIML Total = 13**

  
21/6/24  
**ACADEMIC COORDINATOR**

  
**PRINCIPAL**

**PRINCIPAL**  
**K.S. INSTITUTE OF TECHNOLOGY**  
**BENGALURU - 560 109.**



**KSIT**  
K.S. INSTITUTE OF TECHNOLOGY

**K.S.INSTITUTE OF TECHNOLOGY, BANGALORE - 109**  
**IV SEMESTER (2022 SCHEME) & V1 SEMESTER (2021 SCHEME)**  
**SECOND INTERNAL TEST SEATING ARRANGEMENT (EVEN SEMESTER - 2023-2024)**

**BLACK BOARD**

**ROOM No: OB LH 310 (3RD FLOOR)**

IV CCE	VI CSD	IV CCE
1KS22CM014	1KS21CG001	1KS22CM020
1KS22CM015	1KS21CG002	1KS22CM021
1KS22CM016	1KS21CG003	1KS22CM022
1KS22CM017	1KS21CG004	1KS22CM023
1KS22CM018	1KS21CG005	1KS22CM024
1KS22CM019	1KS21CG006	1KS22CM025

VI CSD	IV CCE	VI CSD
1KS21CG007	1KS22CM026	1KS21CG014
1KS21CG008	1KS22CM028	1KS21CG015
1KS21CG009	1KS22CM030	1KS21CG016
1KS21CG011	1KS22CM031	1KS21CG017
1KS21CG012	1KS22CM032	1KS21CG018
1KS21CG013	1KS22CM033	1KS21CG019

IV CCE	VI CSD	IV CCE
1KS22CM034	1KS21CG020	1KS22CM040
1KS22CM035	1KS21CG021	1KS22CM041
1KS22CM036	1KS21CG022	1KS22CM042
1KS22CM037	1KS21CG023	1KS22CM043
1KS22CM038	1KS21CG024	1KS22CM044
1KS22CM039	1KS21CG025	1KS22CM045

**IV CCE Total = 30**

**VI CSD Total = 24**

  
21/6/24  
**ACADEMIC COORDINATOR**

  
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**K.S.INSTITUTE OF TECHNOLOGY, BANGALORE - 109**  
**IV SEMESTER (2022 SCHEME) & V1 SEMESTER (2021 SCHEME)**  
**SECOND INTERNAL TEST SEATING ARRANGEMENT (EVEN SEMESTER - 2023-2024)**

**BLACK BOARD**

**Room No: OB LH 311 (3RD FLOOR)**

IV CCE	VI CSD	IV CCE
1KS22CM046	1KS21CG026	1KS22CM052
1KS22CM047	1KS21CG027	1KS22CM053
1KS22CM048	1KS21CG028	1KS22CM054
1KS22CM049	1KS21CG029	1KS22CM055
1KS22CM050	1KS21CG030	1KS22CM057
1KS22CM051	1KS21CG031	1KS22CM058


VI CSD	IV CCE	VI CSD
1KS21CG032	1KS22CM059	1KS21CG038
1KS21CG033	1KS22CM060	1KS21CG039
1KS21CG034	CHANDRASHE KHARA SWAMY T	1KS21CG040
1KS21CG035	CHETAN S KORADAKERI	1KS21CG041
1KS21CG036	PRANATHI SAI M	1KS21CG042
1KS21CG037	RAKESH KUMAR R	1KS21CG043

IV 'A' ECE	VI CSD	IV 'A' ECE
<b>1KS22EC001</b>	1KS21CG044	1KS22EC007
1KS22EC002	1KS21CG045	1KS22EC008
1KS22EC003	1KS21CG046	1KS22EC009
1KS22EC004	1KS21CG047	1KS22EC010
1KS22EC005	1KS21CG048	1KS22EC011
1KS22EC006	1KS21CG049	1KS22EC012

**IV CCE=18 IV ECE 'A' SEC=12 Total = 30**

**VI CSD Total = 24**

  
21/6/24  
**ACADEMIC COORDINATOR**

  
**PRINCIPAL**  
**PRINCIPAL**  
**K.S. INSTITUTE OF TECHNOLOGY**  
**BENGALURU - 560 109.**



**K. S. INSTITUTE OF TECHNOLOGY, BANGALORE - 109**  
**CIE TEST INVIGILATION NAMES WITH INITIALS - 2023-2024 (ODD SEM)**

Sl. No.	DEPARTMENT	NAME OF THE INVIGILATOR	INITIALS
1	ASH	DR. SHOBHA G	SG
2	CSE	MRS. KAVYA M S	KMS
3		DR. KUSUMA T	KT
4		MRS. RASHMI H	RH
5		MR. SOMASHEKAR T	ST
6		MR. KRISHNA GUDI	KG
7		MRS. NAMYPRIYA D	ND
8		MRS. SHRUTHI T S	STS
9		MR. LAXMIKANTHA K	LK
10		MR. ABHILASH L BHATT	ALB
11		MRS. SWAPNA S BANASODE	SSB
12		MRS. ROOPASHREE S V	RSV
13		DR. SUNITHA CHALAGERI	SCH
14		MRS. RAMYA R	RR
15		CSD	MR. WASIM YASIN
16	MRS. SUSHMA A		SA
17	MRS. SATHYA SHEELA		SS
18	AMMU BHUVANA		AB
19	IOT	MRS. RAJASHREE M BYALAL	RMB
20		MRS. RACHANA V MURTHY	RVM
21	CCE	MRS. NAGA JYOTHI T	NJT

Sl. No.	DEPARTMENT	NAME OF THE INVIGILATOR	INITIALS	
22	ECE	MR. SANTOSH KUMAR B R	SBR	
23		DR. ELECTA ALICE JAYARANI A	EAJA	
24		MRS. VISHALINI DIVAKAR	VD	
25		MR. PRAVEEN A	PA	
26		MR. SALEEM S TEVARAMANI	SST	
27		MR. NAVEEN KUMAR S	NKS	
28		MR. CHRISTO JAIN S	CJS	
29		MRS. BHANUMATHI A	BHA	
30		MRS. BHARGAVI ANANTH	BA	
31		MRS. KAVYA B M	KBM	
32		MRS. ANITHA P	AP	
33		MRS. SANGEETHA V	SV	
34		ME	MR. HARISH U	HU
35			MR. NAGABHUSHANA M	NM
36	DR. NAGAPRASAD K S		NKS	
37	MR. K PRASAD		KP	
38	MR. RAJESH G L		RGL	
39	DR. NIRMALA L		NL	
40	DR. SRINIDHI ACHARYA S R		SRS	
41	AIML	MRS. SUDHA M	SM	
42		MRS. RENUKA PATIL	RP	
43		MRS. POORNIMA H N	PHN	
44		MRS. PREETHA KAMATH	PK	


ACADEMIC COORDINATOR

PRINCIPAL

**K. S. INSTITUTE OF TECHNOLOGY, BANGALORE - 109**  
**IV & VI SEMESTER - 2nd CIE SQUAD DUTY (2023-2024)**

Date	Timings	Squad Members
27/06/2024 THURSDAY	9:30 am to 10:30 am	DSR(CSD) GH(IOT)
	2:00 pm to 3:00 pm	VM(AIML) PNS(ECE)
28/06/2024 FRIDAY	9:30 am to 10:30 am	GH(IOT) CVR(CCE)
	2:00 pm to 3:00 pm	DSR(CSD) CVR(CCE)
29/06/2024 SATURDAY	9:30 am to 10:30 am	VM(AIML) PNS(ECE)
AIML : Dr. Vijayalaxmi Mekali (VM) ECE : Dr. P N Sudha (PNS) CSD: Dr. Deepa S R (DSR) CCE: Dr. Chanda V Reddy (CVR) IOT: Dr. Ganga Holi (GH)		

  
ACADEMIC COORDINATOR

  
PRINCIPAL  
PRINCIPAL  
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BENGALURU - 560 109.

# K. S. INSTITUTE OF TECHNOLOGY, BANGALORE - 109

IV & VI SEMESTER -2nd CIE (2023-2024)

Non Teaching Staff Duty

## Distribution and Collection of Blue Books

Date	Timings	Non Teaching Staff
27/06/2024 THURSDAY	9:30 am to 10:30 am	SMS (CSE), DN (ECE), VV (ME)
	2:00 pm to 3:00 pm	GML (AIML), SH (CSD), AH (IOT)
28/06/2024 FRIDAY	9:30 am to 10:30 am	ANS (CSE), GB (ECE), TG (ME)
	2:00 pm to 3:00 pm	LKM (AIML), AW (CSD), RBN (CSE)
29/06/2024 SATURDAY	9:30 am to 10:30 am	NV (ECE), AN (CSD), PR (CSE)
	2:00 pm to 3:00 pm	SC (ECE), GL (ME), CK (AIML)

**CSE:** Mrs. Suma M S (SMS), Mrs. Asha latha N S (ANS), Mrs. Rekha B N (RBN), Mrs. Preethi R (PR)

**ECE:** Mr. Nagraj D (DN), Mrs. Gangalakshmi (GB), Mrs. Shantha C (SC), Mr. Naveen (NV)

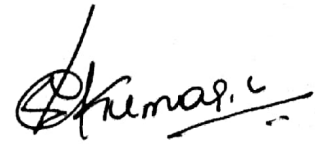
**ME:** Mr. Venkataramana (VV), Mr. Thulasi Babu G (TG), Mr. Govindaswamy L (GL)

**AIML:** Mr. Ganesh M L (GML), Mrs. Lakshmi K M (LKM), Chetan Kannur (CK)

**CSD:** Ms. Sushma (SH), Mrs. Ashwini (AW), Mrs. Aruna (AN)

**IOT:** Mrs. Anitha H (AH)

  
ACADEMIC COORDINATOR

  
PRINCIPAL  
PRINCIPAL  
K.S. INSTITUTE OF TECHNOLOGY  
BENGALURU - 560 109.

# K. S. INSTITUTE OF TECHNOLOGY, BANGALORE - 109

IV & VI SEMESTER -2nd CIE (2023-2024)

Non Teaching Staff Duty

## Room Incharges & Checking of Students

Invigilation Rooms	OB 101	OB 104	OB 105	OB 106	OB 201	OB 203	OB 204	OB 205	OB 206	OB 207	OB 208	OB 209	OB 305	OB 306	OB 310	OB 311	OB 403	OB 407	OB 412	OB SH 307
Department & Staff Names	CSE (SN)	CSE (RK)	ECE (ES)	ECE (RS)	ECE (SV)	ME (NK)	AIML (GH)	CSE (GV)	CSE (KG)	ECE (KM)	AIML (VS)	CSD (PB)	CSD (GR)	ME (SJ)	IOT (DK)	ECE (SH)	CSE (JT)	BS (DP)	BS (KP)	BS (JU)

CSE: Saraswathi N (SN), Raghavendra K (RK), Geetha V (GV), Kumari G (KG), Jyothi (JT)

ECE: Eshwari R (ES), Rekha (RS), Savithramma (SV), Kumar (KM), Shivanna (SH)

ME: Neela K (NK), Sanjay (SJ)

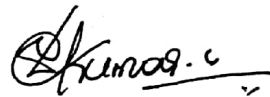
AIML: V Shakunthamma (VS), Ganesh H (GH)

CSD: Paras Bhandari (PB), Gowramma (GR)

IOT: Dhanalakshmi K (DK)

BS: D Poojitha (DP), K Pallavi (KP), J Usha (JU)

  
ACADEMIC COORDINATOR

  
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- PRINCIPAL  
K.S. INSTITUTE OF TECHNOLOGY  
BENGALURU - 560 109.

**K.S.INSTITUTE OF TECHNOLOGY, BANGALORE - 109**

**Department of Computer And Communication Engg.**

**Attendance of IV CCE for Second Internal Test**

Room No: OB LH 306 (3rd Floor)

SL.NO	REGISTER NO.	ANALYSIS & DESIGN OF ALGORITHMS (BCS401)	MICRO CONTROLLER S (BCS402)	DATABASE MANAGEMENT SYSTEMS (BCS403)	BIOLOGY FOR ENGINEERS (BBOK407)	DISCRETE MATHEMATICAL STRUCTURES (BCS405A)	UNIVERSAL HUMAN VALUES (BUHK408)
1	1KS22CM001	Adithya	Adithya	Adithya	Adithya	Adithya	Adithya
2	1KS22CM002	Ainthara	Ainthara	Ainthara	Ainthara	Ainthara	Ainthara
3	1KS22CM003	Anusha	Anusha	Anusha	Anusha	Anusha	Anusha
4	1KS22CM005	Arshvi	Arshvi	Arshvi	Arshvi	Arshvi	Arshvi
5	1KS22CM006	Aradhya	Aradhya	Aradhya	Aradhya	Aradhya	Aradhya
6	1KS22CM007	Ashwanya	Ashwanya	Ashwanya	Ashwanya	Ashwanya	Ashwanya
7	1KS22CM008	Brundha	Brundha	-AB-	Brundha	Brundha	Brundha
8	1KS22CM009	-AB-	-AB-	-AB-	-AB-	AB	-AB-
9	1KS22CM010	Brundha	Brundha	Brundha	Brundha	Brundha	Brundha
10	1KS22CM011	Brinda.S	Brinda.S	Brinda.S	Brinda.S	Brinda.S	Brinda.S
11	1KS22CM012	Deeksha H.R	Deeksha H.R	-AB-	-AB-	Deeksha H.R	Deeksha H.R
12	1KS22CM013	Deeksha	Deeksha	Deeksha	Deeksha	Deeksha	Deeksha
DATE:		27/06/24	27/06/24	28/06/24	28/6/24	29/6/24	29/6/24
NO. OF STUDENTS PRESENT		11	11	09	10	11	11
NO. OF STUDENTS ABSENT		01	01	03	01	01	01
NAME OF INVIGILATOR		SRINIDHI ACHARYA-S.R	RAJESH G.L	WRim	SUDHA.M	LP	Kanya B.M
SIGNATURE OF INVIGILATOR							

K.S.INSTITUTE OF TECHNOLOGY, BANGALORE - 109

Department of Computer And Communication Engg.

Attendance of IV CCE for Second Internal Test

Room No: OB LH 310 (3rd Floor)

SL. NO	REGISTER NO.	ANALYSIS & DESIGN OF ALGORITHMS (BCS401)	MICRO CONTROLLER S (BCS402)	DATABASE MANAGEMENT SYSTEMS (BCS403)	BIOLOGY FOR ENGINEERS (BBOK407)	DISCRETE MATHEMATICAL STRUCTURES (BCS405A)	UNIVERSAL HUMAN VALUES (BUHK408)
1	1KS22CM014	Dip	Dip	Dip	Dip	Dip	Dip
2	1KS22CM015	Dine	Dine	Dine	Dine	Dine	Dine
3	1KS22CM016	Disha	Disha	Disha	Disha	Disha	Disha
4	1KS22CM017	Gangotri	Gangotri	Gangotri	Gangotri	Gangotri	Gangotri
5	1KS22CM018	Shardana HR	Shardana HR	- AB -	Shardana HR	Shardana HR	Shardana HR
6	1KS22CM019	Hajira Amroli	Hajira Amroli	Hajira Amroli	Hajira Amroli	Hajira Amroli	Hajira Amroli
7	1KS22CM020	Waseeda	Waseeda	Waseeda	Waseeda	Waseeda	Waseeda
8	1KS22CM021	Hemanth K	Hemanth K	Hemanth K	Hemanth K	Hemanth K	Hemanth K
9	1KS22CM022	Shreya	Shreya	Shreya	Shreya	- AB -	Shreya
10	1KS22CM023	Shreya	Shreya	Shreya	Shreya	- AB -	Shreya
11	1KS22CM024	Joshi	Joshi	Joshi	Joshi	Joshi	Joshi
12	1KS22CM025	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran
13	1KS22CM026	Kundan K	Kundan K	Kundan K	Kundan K	Kundan K	Kundan K
14	1KS22CM028	M	M	M	M	M	M
15	1KS22CM030	J	J	J	J	J	J
16	1KS22CM031	Narasim	Narasim	Narasim	Narasim	Narasim	Narasim
17	1KS22CM032	N	N	N	N	N	N
18	1KS22CM033	Nimisha	Nimisha	Nimisha	Nimisha	Nimisha	- AB -
19	1KS22CM034	R.Nishal	R.Nishal	R.Nishal	R.Nishal	R.Nishal	R.Nishal
20	1KS22CM035	Nishya	Nishya	Nishya	Nishya	Nishya	Nishya
21	1KS22CM036	P	P	P	P	P	P
22	1KS22CM037	Pavani	Pavani	Pavani	Pavani	Pavani	Pavani
23	1KS22CM038	P	P	P	P	P	P
24	1KS22CM039	P	P	P	P	P	P
25	1KS22CM040	P	P	P	P	P	P

26	1KS22CM041	<del>Sudha</del>	<del>Sudha</del>	<del>Sudha</del>	<del>Sudha</del>	<del>Sudha</del>	<del>Sudha</del>
27	1KS22CM042	Sudhansu	Sudhansu	Sudhansu	Sudhansu	Sudhansu	Sudhansu
28	1KS22CM043	Sudha	Sudha	Sudha	Sudha	Sudha	Sudha
29	1KS22CM044	Sudha	Sudha	Sudha	Sudha	Sudha	Sudha
30	1KS22CM045	Sudha	Sudha	Sudha	Sudha	Sudha	Sudha
DATE:			27/06/24	28/06/2024	28/06/24	29/6/24	29/6/24
NO. OF STUDENTS PRESENT		30	30	29	30	28	29
NO. OF STUDENTS ABSENT		NILL	-	01	-	02	01
NAME OF INVIGILATOR		SUDHA.M	LN	SRINIDHI ACHARYA SA	Reneekor Paled	SUDHA.M	PRITYA DUARSIATI G.V
SIGNATURE OF INVIGILATOR							

**K.S.INSTITUTE OF TECHNOLOGY, BANGALORE - 109**

**Department of Computer And Communication Engg.**

**Attendance of IV CCE for Second Internal Test**

Room No: OB LH 311 (3rd Floor)

SL.NO	REGISTER NO.	ANALYSIS & DESIGN OF ALGORITHMS (BCS401)	MICRO CONTROLLERS (BCS402)	DATABASE MANAGEMENT SYSTEMS (BCS403)	BIOLOGY FOR ENGINEERS (BBOK407)	DISCRETE MATHEMATICAL STRUCTURES (BCS405A)	UNIVERSAL HUMAN VALUES (BUHK408)
1	1KS22CM046	Shreeladac	Shreeladac	Shreeladac	Shreeladac	Shreeladac	Shreeladac
2	1KS22CM047	Shreyas.P	Shreyas.P	Shreyas.P	Shreyas.P	Shreyas.P	Shreyas.P
3	1KS22CM048	J.P	J.P	J.P	J.P	J.P	J.P
4	1KS22CM049	BR	BR	BR	BR	BR	BR
5	1KS22CM050	Jyayash	Jyayash	Jyayash	Jyayash	Jyayash	Jyayash
6	1KS22CM051	Soualaksh	Soualaksh	Soualaksh	Soualaksh	Soualaksh	Soualaksh
7	1KS22CM052	S.R.	S.R.	S.R.	S.R.	S.R.	S.R.
8	1KS22CM053	Subhas	Subhas	Subhas	Subhas	Subhas	Subhas
9	1KS22CM054	S.J.	S.J.	S.J.	S.J.	S.J.	S.J.
10	1KS22CM055	S.J.	S.J.	S.J.	S.J.	S.J.	S.J.
11	1KS22CM057	Nani	Nani	Nani	Nani	Nani	Nani
12	1KS22CM058	Y.Ishitha	Y.Ishitha	Y.Ishitha	Y.Ishitha	Y.Ishitha	Y.Ishitha
13	1KS22CM059	Y.Cyff	Y.Cyff	Y.Cyff	Y.Cyff	Y.Cyff	Y.Cyff
14	1KS22CM060	Y.Kishan	Y.Kishan	Y.Kishan	Y.Kishan	Y.Kishan	Y.Kishan
15	CHANDRASHEKHARA SWAMY T	chandra swamy	chandra swamy	chandra swamy	chandra swamy	chandra swamy	chandra swamy
16	CHETAN S KORADAKERI	CSK	CSK	CSK	CSK	CSK	CSK
17	PRANATHI SAI M	Pranathi	Pranathi	Pranathi	Pranathi	Pranathi	Pranathi
18	RAKESH KUMAR R	R.R	R.R	R.R	R.R	R.R	R.R
DATE:		27/06/24	27/6/24	28/6/24	28/6/24	29/06/2024	29/6/24
NO. OF STUDENTS PRESENT		18	18	18	18	18	18
NO. OF STUDENTS ABSENT		-	-NIL-	-NIL-	NIL	-NIL-	00
NAME OF INVIGILATOR		Reneeka Patel	Podaine	Sathyajit	Wahim	SPINIDHI ACHARYA-SR	Surya
SIGNATURE OF INVIGILATOR		Reneeka	Podaine	Sathyajit	Wahim	SPINIDHI	Surya





**K.S. INSTITUTE OF TECHNOLOGY, BENGALURU - 560109**  
**SECOND INTERNAL TEST QUESTION PAPER 2023-24 EVEN SEMESTER**

**KSIT**

SEE: B

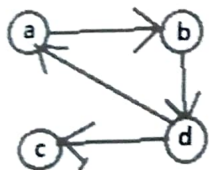
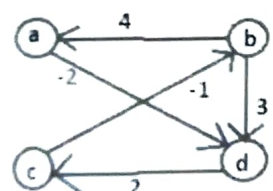
USN \_\_\_\_\_

Degree : B.E  
 Branch - Stream : CCE-CSE  
 Course Title : ADA  
 Duration : 1 Hr (60 minutes)

Semester : IV  
 Course Type / Code : Core/BCS401  
 Date : 27/6/2024  
 Max Marks : 25

Note: Answer ONE full question from each Module.

K-Levels: K1-Remembering, K2-Understanding, K3-Applying, K4-Analyzing, K5-Evaluating,  
 K6-Creating

Q No.	Questions	Marks	CO	K-Level
<b>Module 2</b>				
1(a)	<b>Explain</b> topological sort with an example using DFS method.	5	CO2	K2
<b>OR</b>				
2(a)	<b>Explain</b> the traveling sales person problem with an example using Exhaustive search.	5	CO2	K2
<b>Module 3</b>				
3(a)	<b>Construct</b> a heap from the following elements 5, 35, 25, 45, 20, 55, 25, 45, 50, 10, 30, 15 using bottom-up approach.	5	CO3	K3
(b)	<b>Obtain</b> the distribution counting sort for the following an array A={13, 11, 12, 13, 12, 12} and explain along with its algorithm.	10	CO3	K3
<b>OR</b>				
4(a)	<b>Construct</b> a Max heap and sort the elements from the following list given below. 10, 9, 6, 5, 7, 8.	5	CO3	K3
(b)	<b>Obtain</b> the comparison counting sort for the following an array A={60, 34, 83, 96, 19, 45} and explain with its algorithm.	10	CO3	K3
<b>Module 4</b>				
5(a)	<b>Apply</b> the transitive closure of the following graph given below. 	5	CO4	K3
<b>OR</b>				
6(a)	<b>Apply</b> the Floyd algorithm to find the shortest distance from all nodes to all other nodes. 	5	CO4	K3

*Shashika H.C.*  
 Name & Signature of  
 Course In charge:

*Shashika H.C.*  
 Name & Signature of  
 Module Coordinator:

*VA*  
 HOD

*Shashika H.C.*  
 Principal

*Shashika H.C.*



**K.S. INSTITUTE OF TECHNOLOGY, BENGALURU - 560109**  
**SECOND INTERNAL TEST QUESTION PAPER 2023-24 EVEN SEMESTER**

SET: A

Degree : B.E  
 Branch - Stream : CCE  
 Course Title : MICROCONTROLLERS  
 Duration : 1 Hr ( 60 minutes)


USN


Semester : IV  
 Course Type / Code : IPCC/BCS402  
 Date : 27 - 06 - 2024  
 Max Marks : 25

Note: Answer **ONE full** question from each Module.

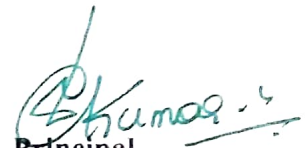
K-Levels: K1-Remembering, K2-Understanding, K3-Applying, K4-Analyzing, K5-Evaluating, K6-Creating

Q No.	Questions	Marks	CO	K-Level
<b>Module 2</b>				
1(a)	<b>Build</b> the Mnemonics table and explain all the Branch Instructions in ARM Processor with an example.	5	CO2	K3
<b>OR</b>				
2(a)	Explain Software Interrupt Instructions by <b>Using</b> Software Interrupt Syntax.	5	CO2	K3
<b>Module 3</b>				
3(a)	<b>Identify</b> the Efficient Use of C Types	5	CO3	K3
(b)	<b>Make use of</b> C Looping Structures to explain the Loops with a Fixed Number of Iterations.	10		K3
<b>OR</b>				
4(a)	<b>Make use of</b> Data packet Checksum routine example of addition of array to <b>identify</b> the difference between checksum_v4 and checksum_v2 code.	5	CO3	K3
(b)	<b>Show that</b> how decrement loop improves the counter when increment loop is replaced in the data packet checksum routine.	10		K3
<b>Module 4</b>				
5(a)	<b>Make use of</b> the LINK Register Offset table to list out the Exception, address and its features.	5	CO4	K3
<b>OR</b>				
6(a)	<b>Make use of</b> the Processor modes to explain the following with an example. (a)The typical method of returning from IRQ to FIQ mode and (b)The method that subtracts the offset from the link register r14 at the beginning of the handler.	5	CO4	K3

  
 Name & Signature of  
 Course In charge:

  
 Name & Signature of  
 Module Coordinator:

  
 HOD

  
 Principal  
*Selected*



# K. S. INSTITUTE OF TECHNOLOGY, BANGALORE

## IV SEM

### III SESSIONAL TEST TIME TABLE (2023-2024)

DATE: 15-7-2024

DATE	TIME	ARTIFICIAL INTELLIGENCE & MACHINE LEARNING	COMPUTER & COMMUNICATION ENGG	COMPUTER SCIENCE & DESIGN	COMPUTER SCIENCE & ENGG	COMPUTER SCIENCE & ENGG (ICB)	ELECTRONICS & COMMUNICATION ENGG	MECHANICAL ENGG
29-7-2024 MONDAY	9.30 AM TO 10.30 AM	ANALYSIS & DESIGN OF ALGORITHMS (BCS401)	ANALYSIS & DESIGN OF ALGORITHMS (BCS401)	ANALYSIS & DESIGN OF ALGORITHMS (BCG401)	ANALYSIS & DESIGN OF ALGORITHMS (BCS401)	ELEMENTS OF CYBER SECURITY & IoT (BIC401)	ELECTRO MAGNETICS THEORY (BEC401)	APPLIED THERMODYNAMICS (BME401)
	2.00 PM TO 3.00 PM	ARTIFICIAL INTELLIGENCE (BAD402)	MICRO CONTROLLERS (BCS402)	COMPUTER GRAPHICS & VISUALIZATION (BCG402)	MICRO CONTROLLERS (BCS402)	ANALYSIS & DESIGN OF ALGORITHMS (BCO402)	PRINCIPLES OF COMMUNICATION SYSTEM (BEC402)	MACHINING SCIENCE & METROLOGY (BME402)
30-7-2024 TUESDAY	9.30 AM TO 10.30 AM	DATABASE MANAGEMENT SYSTEMS (BCS403)	DATABASE MANAGEMENT SYSTEMS (BCS403)	DATABASE MANAGEMENT SYSTEMS (BCG403)	DATABASE MANAGEMENT SYSTEMS (BCS403)	DATABASE MANAGEMENT SYSTEMS (BCS403)	CONTROL SYSTEMS (BEC403)	FLUID MECHANICS (BME403)
	2.00 PM TO 3.00 PM	BIOLOGY FOR ENGINEERS (BBOK407)	BIOLOGY FOR ENGINEERS (BBOK407)	BIOLOGY FOR ENGINEERS (BBOK407)	BIOLOGY FOR ENGINEERS (BBOK407)	BIOLOGY FOR ENGINEERS (BBOK407)	BIOLOGY FOR ENGINEERS (BBOK407)	BIOLOGY FOR ENGINEERS (BBOK407)
31-7-2024 WEDNESDAY	9.30 AM TO 10.30 AM	DISCRETE MATHEMATICAL STRUCTURES (BCS405A)	DISCRETE MATHEMATICAL STRUCTURES (BCS405A)	DISCRETE MATHEMATICAL STRUCTURES (BCG405A)	DISCRETE MATHEMATICAL STRUCTURES (BCS405A)	DISCRETE MATHEMATICAL STRUCTURES (BCS405A)	MICRO CONTROLLERS (BEC405A)	NON TRADITIONAL MACHINING (BME405A)
	2.00 PM TO 3.00 PM	UNIVERSAL HUMAN VALUES (BUHK408)	UNIVERSAL HUMAN VALUES (BUHK408)	UNIVERSAL HUMAN VALUES (BUHK408)	UNIVERSAL HUMAN VALUES (BUHK408)	UNIVERSAL HUMAN VALUES (BUHK408)	UNIVERSAL HUMAN VALUES (BUHK408)	UNIVERSAL HUMAN VALUES (BUHK408)

**NOTE: All the students are strictly informed to wear LAB uniforms, College ID Card is compulsory during the test.**

*[Signature]*  
15/7/24  
ACADEMIC COORDINATOR

*[Signature]*  
PRINCIPAL

PRINCIPAL  
K.S. INSTITUTE OF TECHNOLOGY  
BENGALURU - 560 109.



**K.S.INSTITUTE OF TECHNOLOGY, BANGALORE - 109**  
**IV SEMESTER (2022 SCHEME) & V1 SEMESTER (2021 SCHEME)**  
**THIRD INTERNAL TEST SEATING ARRANGEMENT (EVEN SEMESTER - 2023-2024)**



**BLACK BOARD**

**Room No: OB LH 306 (3RD FLOOR)**

IV ICB	VI AIML	IV ICB
1KS22IC049	1KS21AI056	1KS22IC055
1KS22IC050	1KS21AI057	1KS22IC056
1KS22IC051	1KS21AI058	1KS22IC057
1KS22IC052	1KS20AI024	1KS22IC058
1KS22IC053	1KS20AI029	1KS22IC059
1KS22IC054	1KS20AI040	1KS22IC060


VI AIML	IV ICB	VI AIML
1KS22AI400	1KS22IC061	1KS22AI406
1KS22AI401	1KS22IC062	-
1KS22AI402	PRASHANTH K	-
1KS22AI403	SREEHITHA P C	-
1KS22AI404	VINEETH G	-
1KS22AI405	-	-

IV CCE		IV CCE
1KS22CM001		1KS22CM008
1KS22CM002		1KS22CM009
1KS22CM003		1KS22CM010
1KS22CM005		1KS22CM011
1KS22CM006		1KS22CM012
1KS22CM007		1KS22CM013

**IV ICB =17    IV CCE=12    Total = 29**

**VI AIML    Total = 13**

  
**ACADEMIC COORDINATOR**

  
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**BENGALURU - 560 109.**



**K.S.INSTITUTE OF TECHNOLOGY, BANGALORE - 109**  
**IV SEMESTER (2022 SCHEME) & V1 SEMESTER (2021 SCHEME)**  
**THIRD INTERNAL TEST SEATING ARRANGEMENT (EVEN SEMESTER - 2023-2024)**

**KSIT**

**BLACK BOARD**

**Room No: OB LH 310 (3RD FLOOR)**

IV CCE	VI CSD	IV CCE
1KS22CM014	1KS21CG001	1KS22CM020
1KS22CM015	1KS21CG002	1KS22CM021
1KS22CM016	1KS21CG003	1KS22CM022
1KS22CM017	1KS21CG004	1KS22CM023
1KS22CM018	1KS21CG005	1KS22CM024
1KS22CM019	1KS21CG006	1KS22CM025

VI CSD	IV CCE	VI CSD
1KS21CG007	1KS22CM026	1KS21CG014
1KS21CG008	1KS22CM028	1KS21CG015
1KS21CG009	1KS22CM030	1KS21CG016
1KS21CG011	1KS22CM031	1KS21CG017
1KS21CG012	1KS22CM032	1KS21CG018
1KS21CG013	1KS22CM033	1KS21CG019

IV CCE	VI CSD	IV CCE
1KS22CM034	1KS21CG020	1KS22CM040
1KS22CM035	1KS21CG021	1KS22CM041
1KS22CM036	1KS21CG022	1KS22CM042
1KS22CM037	1KS21CG023	1KS22CM043
1KS22CM038	1KS21CG024	1KS22CM044
1KS22CM039	1KS21CG025	1KS22CM045

**IV CCE Total = 30**

**VI CSD Total = 24**

  
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**BENGALURU - 560 109.**



# K.S.INSTITUTE OF TECHNOLOGY, BANGALORE - 109

IV SEMESTER (2022 SCHEME) & V1 SEMESTER (2021 SCHEME)

THIRD INTERNAL TEST SEATING ARRANGEMENT (EVEN SEMESTER - 2023-2024)

**KSIT**  
K.S. INSTITUTE OF TECHNOLOGY

**BLACK BOARD**

Room No: OB LH 311 (3RD FLOOR)

IV CCE	VI CSD	IV CCE
1KS22CM046	1KS21CG026	1KS22CM052
1KS22CM047	1KS21CG027	1KS22CM053
1KS22CM048	1KS21CG028	1KS22CM054
1KS22CM049	1KS21CG029	1KS22CM055
1KS22CM050	1KS21CG030	1KS22CM057
1KS22CM051	1KS21CG031	1KS22CM058

VI CSD	IV CCE	VI CSD
1KS21CG032	1KS22CM059	1KS21CG038
1KS21CG033	1KS22CM060	1KS21CG039
1KS21CG034	CHANDRASHE KHARA SWAMY T	1KS21CG040
1KS21CG035	CHETAN S KORADAKERI	1KS21CG041
1KS21CG036	PRANATHI SAI M	1KS21CG042
1KS21CG037	RAKESH KUMAR R	1KS21CG043

IV 'A' ECE	VI CSD	IV 'A' ECE
<b>1KS22EC001</b>	1KS21CG044	1KS22EC007
1KS22EC002	1KS21CG045	1KS22EC008
1KS22EC003	1KS21CG046	1KS22EC009
1KS22EC004	1KS21CG047	1KS22EC010
1KS22EC005	1KS21CG048	1KS22EC011
1KS22EC006	1KS21CG049	1KS22EC012

IV CCE=18 IV ECE 'A' SEC=12 Total = 30

VI CSD Total = 24

  
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BENGALURU - 560 109.

# K. S. INSTITUTE OF TECHNOLOGY, BANGALORE - 109

## IV & VI SEMESTER - 3rd CIE INVIGILATION DUTY (2023-2024)

Date	Timings	OB 101	OB 104	OB 105	OB 106	OB 201	OB 203	OB 204	OB 205	OB 206	OB 207	OB 208	OB 209	OB 305	OB 306	OB 310	OB 311	OB 403	OB 407	OB 412	OB SH 307
29/07/2024 MONDAY	9:30 am to 10:30 am	SG (ASH)	KMS (CSE)	KT (CSE)	RH (CSE)	ST (CSE)	ND (CSE)	VD (ECE)	CJS (ECE)	AK (ME)	NKS (ECE)	RGL (ME)	EAJA (ECE)	NKS (ME)	KP (ME)	SM (AIML)	RP (AIML)	SS (CSD)	SA (CSD)	NJT (CCE)	RVM (IOT)
	2:00 pm to 3:00 pm	LK (CSE)	SG (ASH)	ALB (CSE)	SSB (CSE)	RSV (CSE)	SCH (CSE)	RR (CSE)	SBR (ECE)	BHA (ECE)	BA (ECE)	KBM (ECE)	AP (ECE)	SV (ECE)	RGL (ME)	NL (ME)	PHN (AIML)	PK (AIML)	SS (CSD)	AB (CSD)	RMB (IOT)
30/7/2024 TUESDAY	9:30 am to 10:30 am	KG (CSE)	STS (CSE)	LK (CSE)	ALB (CSE)	SSB (CSE)	RSV (CSE)	SCH (CSE)	RH (CSE)	PA (ECE)	BHA (ECE)	BA (ECE)	KBM (ECE)	AP (ECE)	AB (CSD)	SRS (ME)	WY (CSD)	PK (AIML)	PHN (AIML)	RMB (IOT)	SV (ECE)
	2:00 pm to 3:00 pm	ND (CSE)	RH (CSE)	KG (CSE)	CJS (ECE)	EAJA (ECE)	VD (ECE)	PA (ECE)	AK (ME)	NKS (ECE)	SRS (ME)	NM (ME)	NKS (ME)	KP (ME)	SM (AIML)	RP (AIML)	WY (CSD)	SA (CSD)	RMB (IOT)	RVM (IOT)	NJT (CCE)
31/07/2024 WEDNESDAY	9:30 am to 10:30 am	SA (CSD)	NJT (CCE)	RVM (IOT)	KG (CSE)	KMS (CSE)	KT (CSE)	STS (CSE)	ST (CSE)	RR (CSE)	PA (ECE)	AK (ME)	NKS (ECE)	RGL (ME)	NL (ME)	SM (AIML)	SRS (ME)	RP (AIML)	NM (ME)	EAJA (ECE)	VD (ECE)
	2:00 pm to 3:00 pm	KMS (CSE)	KT (CSE)	ND (CSE)	ST (CSE)	STS (CSE)	LK (CSE)	ALB (CSE)	SSB (CSE)	RSV (CSE)	RR (CSE)	CJS (ECE)	BHA (ECE)	BA (ECE)	KBM (ECE)	AP (ECE)	SV (ECE)	PHN (AIML)	PK (AIML)	SS (CSD)	AB (CSD)

**NOTE: Distribution and Collection of Blue Books Centre(Old Block 2nd Floor VLSI Lab)**

ACADEMIC COORDINATOR

PRINCIPAL

**K. S. INSTITUTE OF TECHNOLOGY, BANGALORE - 109**  
**IV & VI SEMESTER - 3rd CIE SQUAD DUTY (2023-2024)**

<b>Date</b>	<b>Timings</b>	<b>Squad Members</b>
<b>29/07/2024</b> <b>MONDAY</b>	<b>9:30 am to 10:30 am</b>	<b>DSR(CSD)</b> <b>GH(IOT)</b>
	<b>2:00 pm to 3:00 pm</b>	<b>VM(AIML)</b> <b>PNS(ECE)</b>
<b>30/07/2024</b> <b>TUESDAY</b>	<b>9:30 am to 10:30 am</b>	<b>GH(IOT)</b> <b>CVR(CCE)</b>
	<b>2:00 pm to 3:00 pm</b>	<b>DSR(CSD)</b> <b>CVR(CCE)</b>
<b>31/07/2024</b> <b>WEDNESDAY</b>	<b>9:30 am to 10:30 am</b>	<b>VM(AIML)</b> <b>PNS(ECE)</b>
<b>AIML : Dr. Vijayalaxmi Mekali (VM)</b> <b>ECE : Dr. P N Sudha (PNS)</b> <b>CSD: Dr. Deepa S R (DSR)</b> <b>CCE: Dr. Chanda V Reddy (CVR)</b> <b>Dr. Ganga Holi (GH)</b>		
		<b>IOT:</b>

**ACADEMIC COORDINATOR**

**PRINCIPAL**



# K. S. INSTITUTE OF TECHNOLOGY, BANGALORE - 109

IV & VI SEMESTER -3rd CIE (2023-2024)

Non Teaching Staff Duty

## Distribution and Collection of Blue Books

Date	Timings	Non Teaching Staff
29/07/2024 MONDAY	9:30 am to 10:30 am	SMS (CSE), DN (ECE), VV (ME), OP (CCE)
	2:00 pm to 3:00 pm	GML (AIML), SH (CSD), AH (IOT), KMN (CSE)
30/07/2024 TUESDAY	9:30 am to 10:30 am	ANS (CSE), GB (ECE), TG (ME), VKN (CSE)
	2:00 pm to 3:00 pm	LKM (AIML), AW (CSD), RBN (CSE), TC (ECE)
31/07/2024 WEDNESDAY	9:30 am to 10:30 am	NV (ECE), AN (CSD), PR (CSE), OP (CCE)
	2:00 pm to 3:00 pm	SC (ECE), GL (ME), CK (AIML), TC (ECE)

**CSE:** Mrs. Suma M S (SMS), Mrs. Asha latha N S (ANS), Mrs. Rekha B N (RBN), Mrs. Preethi R (PR), Keerthana M N (KMN), Vimala Kumari V (VKV)

**ECE:** Mr. Nagraj D (DN), Mrs. Gangalakshmi (GB), Mrs. Shantha C (SC), Mr. Naveen (NV), Mrs. Triveni C (TC)

**ME:** Mr. Venkataramana (VV), Mr. Thulasi Babu G (TG), Mr. Govindaswamy L (GL)

**AIML:** Mr. Ganesh M L (GML), Mrs. Lakshmi K M (LKM), Chetan Kannur (CK)

**CSD:** Ms. Sushma (SH), Mrs. Ashwini (AW), Mrs. Aruna (AN)

**IOT:** Mrs. Anitha H (AH)

**CCE:** Mr. Om Prakash (OP)

ACADEMIC COORDINATOR

PRINCIPAL

**K. S. INSTITUTE OF TECHNOLOGY, BANGALORE - 109**

IV &amp; VI SEMESTER -3rd CIE (2023-2024)

Non Teaching Staff Duty

**Room Incharges & Checking of Students**

Invigilation Rooms	OB 101	OB 104	OB 105	OB 106	OB 201	OB 203	OB 204	OB 205	OB 206	OB 207	OB 208	OB 209	OB 305	OB 306	OB 310	OB 311	OB 403	OB 407	OB 412	OB SH 307
Department & Staff Names	CSE (SN)	CSE (RK)	ECE (ES)	ECE (RS)	ECE (SV)	ME (NK)	AIML (GH)	CSE (GV)	CSE (KG)	ECE (KM)	AIML (VS)	CSD (PB)	CSD (GR)	ME (SJ)	IOT (DK)	ECE (SH)	CSE (JT)	BS (DP)	BS (KP)	BS (JU)

**CSE:** Saraswathi N (SN), Raghavendra K (RK), Geetha V (GV), Kumari G (KG), Jyothi (JT)**ECE:** Eshwari R (ES), Rekha (RS), Savithamma (SV), Kumar (KM), Shivanna (SH)**ME:** Neela K (NK), Sanjay (SJ)**AIML:** V Shakunthalamma (VS), Ganesh H (GH)**CSD:** Paras Bhandari (PB), Gowamma (GR)**IOT:** Dhanalakshmi K (DK)**BS:** D Poojitha (DP), K Pallavi (KP), J Usha (JU)**ACADEMIC COORDINATOR****PRINCIPAL**

**K. S. INSTITUTE OF TECHNOLOGY, BANGALORE - 109**  
**CIE TEST INVIGILATION NAMES WITH INITIALS - 2023-2024 (EVEN SEM)**

Sl. No.	DEPARTMENT	NAME OF THE INVIGILATOR	INITIALS
1	ASH	DR. SHOBHA G	SG
2	CSE	MRS. KAVYA M S	KMS
3		DR. KUSUMA T	KT
4		MRS. RASHMI H	RH
5		MR. SOMASHEKAR T	ST
6		MR. KRISHNA GUDI	KG
7		MRS. NAMYPRIYA D	ND
8		MRS. SHRUTHI T S	STS
9		MR. LAXMIKANTHA K	LK
10		MR. ABHILASH L BHATT	ALB
11		MRS. SWAPNA S BANASODE	SSB
12		MRS. ROOPASHREE S V	RSV
13		DR. SUNITHA CHALAGERI	SCH
14		MRS. RAMYA R	RR
15		CSD	MR. WASIM YASIN
16	MRS. SUSHMA A		SA
17	MRS. SATHYA SHEELA		SS
18	AMMU BHUVANA		AB
19	IOT	MRS. RAJASHREE M BYALAL	RMB
20		MRS. RACHANA V MURTHY	RVM
21	CCE	MRS. NAGA JYOTHI T	NJT

Sl. No.	DEPARTMENT	NAME OF THE INVIGILATOR	INITIALS	
22	ECE	MR. SANTOSH KUMAR B R	SBR	
23		DR. ELECTA ALICE JAYARANI A	EAJA	
24		MRS. VISHALINI DIVAKAR	VD	
25		MR. PRAVEEN A	PA	
26		MR. NAVEEN KUMAR S	NKS	
27		MR. CHRISTO JAIN S	CJS	
28		MRS. BHANUMATHI A	BHA	
29		MRS. BHARGAVI ANANTH	BA	
30		MRS. KAVYA B M	KBM	
31		MRS. ANITHA P	AP	
32		MRS. SANGEETHA V	SV	
33		ME	MR. ANIL KUMAR A	AK
34			MR. NAGABHUSHANA M	NM
35			DR. NAGAPRASAD K S	NKS
36	MR. K PRASAD		KP	
37	MR. RAJESH G L		RGL	
38	DR. NIRMALA L		NL	
39	DR. SRINIDHI ACHARYA S R		SRS	
40	AIML	MRS. SUDHA M	SM	
41		MRS. RENUKA PATIL	RP	
42		MRS. POORNIMA H N	PHN	
43		MRS. PREETHA KAMATH	PK	

ACADEMIC COORDINATOR

PRINCIPAL

K.S.INSTITUTE OF TECHNOLOGY, BANGALORE - 100

Department of Computer And Communication Engg.

Attendance of IV CCE for Third Internal Test

Room No: OB LH 306 (3rd Floor)

SL. NO	REGISTER NO.	ANALYSIS & DESIGN OF ALGORITHMS (BCS401)	MICRO CONTROLLERS (BCS402)	DATABASE MANAGEMENT SYSTEMS (BCS403)	BIOLOGY FOR ENGINEERS (BBOK407)	DISCRETE MATHEMATICAL STRUCTURES (BCS405A)	UNIVERSAL HUMAN VALUES (BUHK408)
1	1KS22CM001	Adithya	Adithya	Adithya	Adithya	Adithya	Adithya
2	1KS22CM002	Aishwari	Aishwari	Aishwari	Aishwari	Aishwari	Aishwari
3	1KS22CM003	Anush.S.	Anush.S.	Anush.S.	Anush.S.	Anush.S.	Anush.S.
4	1KS22CM005	Arushi	Arushi	Arushi	Arushi	Arushi	Arushi
5	1KS22CM006	Aradhya	Aradhya	Aradhya	Aradhya	Aradhya	Aradhya
6	1KS22CM007	Aishwarya	Aishwarya	Aishwarya	Aishwarya	Aishwarya	Aishwarya
7	1KS22CM008	Brundha	Brundha	Brundha	Brundha	Brundha	Brundha
8	1KS22CM009	← AB →	-(AB)-	-(AB)-	AB-	(AB)	AB
9	1KS22CM010	Spandil	Spandil	Spandil	Spandil	Spandil	Spandil
10	1KS22CM011	Brinda.S	Brinda.S	Brinda.S	Brinda.S	Brinda.S	Brinda.S
11	1KS22CM012	Deeksha H.R	Deeksha H.R	Deeksha H.R	Deeksha H.R	Deeksha H.R	Deeksha H.R
12	1KS22CM013	Deeksha	Deeksha	Deeksha	Deeksha	Deeksha	Deeksha
DATE:		29/07/24	29/7/24	30/7/24	30/7/24	31/7/24	31/7/24
NO. OF STUDENTS PRESENT		11	11	11	11	11	11
NO. OF STUDENTS ABSENT		01	01	01	01	01	01
NAME OF INVIGILATOR		PRASADK	RAJESAGL	Anu	sudham	Dr NIRMALAN	Kavya BM
SIGNATURE OF INVIGILATOR							

**K.S.INSTITUTE OF TECHNOLOGY, BANGALORE - 109**

**Department of Computer And Communication Engg.**

**Attendance of IV CCE for Third Internal Test**

Room No: OB LH 310 (3rd Floor)

SL. NO	REGISTER NO.	ANALYSIS & DESIGN OF ALGORITHMS (BCS401)	MICRO CONTROLLER S (BCS402)	DATABASE MANAGEMENT SYSTEMS (BCS403)	BIOLOGY FOR ENGINEERS (BBOK407)	DISCRETE MATHEMATICAL STRUCTURES (BCS405A)	UNIVERSAL HUMAN VALUES (BUHK408)
1	1KS22CM014	Deepu	Deepu	Deepu	Deepu	Deepu	Deepu
2	1KS22CM015	De	De	De	De	De	De
3	1KS22CM016	Disha	Disha	Disha	Disha	Disha	Disha
4	1KS22CM017	Gangotri	Gangotri	Gangotri	Gangotri	Gangotri	Gangotri
5	1KS22CM018	Chandana H.R.	Chandana H.R.	Chandana H.R.	Chandana H.R.	Chandana H.R.	Chandana H.R.
6	1KS22CM019	Hajim Anwar	Hajim Anwar	Hajim Anwar	Hajim Anwar	Hajim Anwar	Hajim Anwar
7	1KS22CM020	Waseeda	Waseeda	Waseeda	Waseeda	Waseeda	Waseeda
8	1KS22CM021	Hemanth H.R.	Hemanth H.R.	Hemanth H.R.	Hemanth H.R.	Hemanth H.R.	Hemanth H.R.
9	1KS22CM022	ABSENT	SK	SK	SK	AB	SK
10	1KS22CM023	Shreya	Shreya	Shreya	Shreya	Shreya	Shreya
11	1KS22CM024	Toshi	Toshi	Toshi	Toshi	Toshi	Toshi
12	1KS22CM025	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran
13	1KS22CM026	Kundan Kumar	Kundan Kumar	Kundan Kumar	Kundan Kumar	Kundan Kumar	Kundan Kumar
14	1KS22CM028	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh
15	1KS22CM030	Sh	Sh	Sh	Sh	Sh	Sh
16	1KS22CM031	Narasimha	Narasimha	Narasimha	Narasimha	Narasimha	Narasimha
17	1KS22CM032	Neelam	Neelam	Neelam	Neelam	Neelam	Neelam
18	1KS22CM033	Nimisha	Nimisha	Nimisha	Nimisha	Nimisha	Nimisha
19	1KS22CM034	R.Nishal	R.Nishal	R.Nishal	R.Nishal	R.Nishal	R.Nishal
20	1KS22CM035	Nithya	Nithya	Nithya	Nithya	Nithya	Nithya
21	1KS22CM036	Pr	Pr	Pr	Pr	Pr	Pr
22	1KS22CM037	Pavani	Pavani	Pavani	Pavani	Pavani	Pavani
23	1KS22CM038	Pr	Pr	Pr	Pr	Pr	Pr
24	1KS22CM039	Pr	Pr	Pr	Pr	Pr	Pr
25	1KS22CM040	Pr	Pr	Pr	Pr	Pr	Pr

26	1KS22CM041	<del>Submit</del>	<del>Submit</del>	<del>Submit</del>	<del>Submit</del>	<del>Submit</del>	<del>Submit</del>
27	1KS22CM042	Submit	Submit	Submit	Submit	Submit	Submit
28	1KS22CM043	Pass	Pass	Pass	Pass	Pass	Pass
29	1KS22CM044	ABSENT	AB	- AB -	AB	B Hypo	AB
30	1KS22CM045	SPM	SPM	SPM	SPM	SPM	SPM
DATE:		29/7/2024	29/7/24	30-07-24	30/07/24	31/7/2024	31/7/24
NO. OF STUDENTS PRESENT		28	29	29	29	29	30
NO. OF STUDENTS ABSENT		02	01	01	01	01	-
NAME OF INVIGILATOR		Sudham	DR Nishu	SRINIDHI ACHARYA-SR	Renuka Patel	Sudham	Anita
SIGNATURE OF INVIGILATOR							

**K.S.INSTITUTE OF TECHNOLOGY, BANGALORE - 109**

**Department of Computer And Communication Engg.**

**Attendance of IV CCE for Third Internal Test**

Room No: OB LH 311 (3rd Floor)

SL.NO	REGISTER NO.	ANALYSIS & DESIGN OF ALGORITHMS (BCS401)	MICRO CONTROLLER S (BCS402)	DATABASE MANAGEMENT SYSTEMS (BCS403)	BIOLOGY FOR ENGINEERS (BBOK407)	DISCRETE MATHEMATICAL STRUCTURES (BCS405A)	UNIVERSAL HUMAN VALUES (BUHK408)
1	1KS22CM046	Shreyas.P	Shreyas.P	Shreyas.P	Shreyas.P	Shreyas.P	Shreyas.P
2	1KS22CM047	Shreyas.P	Shreyas.P	Shreyas.P	Shreyas.P	Shreyas.P	Shreyas.P
3	1KS22CM048	J LUP	J LUP	J LUP	J LUP	J LUP	J LUP
4	1KS22CM049	SRK	SRK	SRK	SRK	SRK	SRK
5	1KS22CM050	Jayasree	Jayasree	Jayasree	Jayasree	Jayasree	Jayasree
6	1KS22CM051	Souilakshmi	Souilakshmi	Souilakshmi	Souilakshmi	Souilakshmi	Souilakshmi
7	1KS22CM052	SR	SR	SR	SR	SR	SR
8	1KS22CM053	SR	SR	SR	SR	SR	SR
9	1KS22CM054	SJ	SJ	SJ	SJ	SJ	SJ
10	1KS22CM055	SJ	SJ	SJ	SJ	SJ	SJ
11	1KS22CM057	Nani	Nani	Nani	Nani	Nani	Nani
12	1KS22CM058	Y-Ishitha	Y-Ishitha	Y-Ishitha	Y-Ishitha	Y-Ishitha	Y-Ishitha
13	1KS22CM059	Y. Anshu	Y. Anshu	Y. Anshu	Y. Anshu	Y. Anshu	Y. Anshu
14	1KS22CM060	Y. Anshu	Y. Anshu	Y. Anshu	Y. Anshu	Y. Anshu	Y. Anshu
15	CHANDRASHEKHARA SWAMY T	Chandraswamy	Chandraswamy	Chandraswamy	Chandraswamy	Chandraswamy	Chandraswamy
16	CHETAN S KORADAKERI	CS	CS	CS	CS	CS	CS
17	PRANATHI SAI M	<del>PSM</del>	<del>PSM</del>	<del>PSM</del>	<del>PSM</del>	<del>PSM</del>	<del>PSM</del>
18	RAKESH KUMAR R	RK	RK	RK	RK	RK	RK
DATE:		29/07/24	29/7	30/7/24	30/07/24	31.07.2024	31/07/24
NO. OF STUDENTS PRESENT		18	18	18	18	18	18
NO. OF STUDENTS ABSENT		-	-NIL-	NIL	NIL	-NIL-	-NIL-
NAME OF INVIGILATOR		Renuka Patil	Poojini	Wairim	Wairim	SRINIDHI ACHARYA.S.B	V.Sanjay
SIGNATURE OF INVIGILATOR		Renuka Patil	Poojini	Wairim	Wairim	SRINIDHI ACHARYA.S.B	V.Sanjay



# K.S. INSTITUTE OF TECHNOLOGY, BENGALURU - 560109

## THIRD INTERNAL TEST QUESTION PAPER 2023-24 EVEN SEMESTER

SET: A

Degree : B.E  
 Branch - Stream : CCE-CSE  
 Course Title : ADA  
 Duration : 60 Minutes

USN

Semester : IV  
 Course Type / Code : PCC/BCS401  
 Date : 29/07/2024  
 Max Marks : 25

Note: Answer **ONE** full question from each module.

K-Levels: K1-Remembering, K2-Understanding, K3-Appling, K4-Analyzing, K5-Evaluating, K6-Creating

Q No.	Questions	Marks	CO	K-Level															
<b>Module-4</b>																			
1(a)	<p>Apply Dijkstra's algorithm to find the shortest path from source vertex <b>a</b> to all other vertices.</p>	10	CO4	K3															
<b>OR</b>																			
2(a)	<p>Apply Kruskal's algorithm to find the minimum spanning tree for the given graph below.</p>	10	CO4	K3															
<b>Module-5</b>																			
3(a)	Apply back tracking method to solve 4x4 Queen's problem with explanation.	10	CO5	K3															
(b)	Write a short note on how decision tree used in three element insertion sort.	5	CO5	K2															
<b>OR</b>																			
4(a)	<p>Apply branch-and-bound algorithm to solve the following instance of the knapsack problem.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Item</th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> </tr> </thead> <tbody> <tr> <td>Weight</td> <td>10</td> <td>7</td> <td>8</td> <td>4</td> </tr> <tr> <td>Value</td> <td>\$100</td> <td>\$63</td> <td>\$56</td> <td>\$12</td> </tr> </tbody> </table>	Item	1	2	3	4	Weight	10	7	8	4	Value	\$100	\$63	\$56	\$12	10	CO5	K3
Item	1	2	3	4															
Weight	10	7	8	4															
Value	\$100	\$63	\$56	\$12															
(b)	Write a short note on how decision trees used in searching a sorted array.	5	CO5	K2															

*Shree H.C*  
 Name & Signature of  
 Course In charge:

*Shree H.C*  
 Name & Signature of  
 Module Coordinator

*VR*  
 MOD CCE

*Shree H.C*  
 Principal  
*Shree H.C*





**K.S. INSTITUTE OF TECHNOLOGY, BENGALURU - 560109**  
**THIRD INTERNAL TEST QUESTION PAPER 2023-24 EVEN SEMESTER**

SET: A

USN									
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Degree : B.E  
 Branch - Stream : CCE  
 Course Title : MICROCONTROLLERS  
 Duration : 60 Minutes

Semester : 4<sup>TH</sup>  
 Course Type / Code : IPCC / BCS402  
 Date : 29/07/24  
 Max Marks : 25

Note: Answer **ONE full** question from each module.

K-Levels: K1-Remembering, K2-Understanding, K3-Appling, K4-Analyzing, K5-Evaluating, K6-Creating

Q No.	Questions	Marks	CO	K-Level
<b>Module-4</b>				
1(a)	Develop a C Program to sort the numbers in ascending order using Bubble Sort.	5	CO4	K3
(b)	Explain Enabling and Disabling FIQ and IRQ Exceptions	5	CO4	K2
<b>OR</b>				
2(a)	Develop an ALP to find the sum of first 10 integer numbers	5	CO4	K3
(b)	Explain the Sandstone execution flow.	5	CO4	K2
<b>Module-5</b>				
3(a)	Make use of the block diagram to explain the basic architecture of cache memory.	5	CO5	K3
(b)	Explain the relationship that a cache has between the processor core and the main memory.	5	CO5	K2
(c)	Explain the allocation policy on a cache miss.	5	CO5	K2
<b>OR</b>				
4(a)	Make use of a neat block diagram to explain associative cache.	5	CO5	K3
(b)	Explain cache line replacement policies.	5	CO5	K2
(c)	Explain Caches and Memory Management Units.	5	CO5	K2

*[Signature]*  
 Name & Signature of  
 Course In charge:

*[Signature]*  
 Name & Signature of  
 Module Coordinator:

*[Signature]*  
 HOD

*[Signature]*  
 Principal