



್ವ ಟಿ ಯು ಅಧಿನಿಯಮ ೧೯೯೪ ರ ಅದಿಯಲ್ಲಿ ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಸ್ಯಾಪಿಕವಾದ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯ)



Visvesvaraya Technological University (State University of Government of Kathafaka Established as per the VTU Act, 1994)

Juana Sangama Belagavi-590018, Karnataka, India

Dr. T.N. Sreenivasa

BE.,ME.,PhD.,FIE,CEng.

Registrar (Evaluation)

Phone: (0831) 2498131

Fax : (0831) 2498184

Ref.No/VTU/Exam/QPDS/CW(2)/2023-2024/ 662

Date: 25 AUG 20,

<u>CIRCULAR</u>

Sub: Time Table of UG/PG (2022 Scheme), July/August 2023 Examination.

The time table of the University examination for I/II Semester of B.E. / B.Tech. / MBA/ MCA/ M.Tech. / M.Plan. / M.Arch. (2022 Scheme) courses is published on the VTU Website https://vtu.ac.in

The Principals of all the affiliated engineering colleges and constituent engineering college are requested to go through the time table and bring the contents of the same to the notice of all the concerned.

Sd/-Registrar (Evaluation)

To,

The Principals of all the affiliated engineering colleges and constituent engineering college.

C.W.C.:

- 1. The Hon'ble Vice Chancellor, through the Secretary to VC, VTU, Belagavi, for kind information.
- The Registrar, VTU, Belagavi, for kind information.
- 3. The Regional Directors, R.O. Bengaluru / Belagavi / Kalaburagi / Mysuru, for kind information.

4. The Director, ITISMU, VTU Belagavi, for information and needful.

egistrar (Evaluation)

Professor & Head
Department of Civil Engineering
Adichunchanagiri Institute of Techn
CHIKKAMAGALURU-577102







VISVESVARAYA TECHNOLOGICAL UNIVERSITY

State University of Government of Karnataka Established as per the VTU Act, 1994 " JnanaSangama" Belagavi-590018, Karnataka, India

Prof. B. E. Rangaswamy, Ph.D

REGISTRAR

REF: VTU/MYS/VTU-COE/2023-24/ 2692

Phone: (0831) 2498100 Fax: (0831) 2405467

Date 2 6 AUG 2023

Notification

Sub: Fee Structure for Online Degree Programmes for UG, PG and PG Diploma Online Programmes - reg

Ref: Hon'ble Vice Chancellor Approval dated: 24.08.2023

With reference to the subject cited above, the fee structure for Online Degree Programme of VTU is as defined below:

	April 1997				
#	Particulars	I Year	I	Year	III Year
01	Registration Fee	450/-			
02	Application Fee	300/-			
03	Convocation Fee	1500/-			
04	Academic fee	22,500/-	22	,500/-	22,500/-
05	Exam Fee	1500/-	1	500/-	1500/-
06	Marks Card Fee	1000/-	1	1000/- 1000	
Total fee Payable (Indian Students)		Rs. 27,250/- Rs. 25,000/-		25,000/-	Rs. 25,000/-
w. france have been been to	Postgradu	ate: MBA/MC	CA		
#	Particulars	I Year			
		1 Tear		I	I Year
01	Registration Fee	450/-		I	I Year
01 02				I	I Year
	Registration Fee	450/-		I	I Year
02	Registration Fee Application Fee	450/- 300/-			I Year 7,750/-
02 03	Registration Fee Application Fee Convocation Fee	450/- 300/- 1500/-		57	
02 03 04	Registration Fee Application Fee Convocation Fee Academic fee	450/- 300/- 1500/- 57,750/-		57	7,750/-

Professor & Head
Department of Civil Engineering
Adichunchanagiri Institute of Technolo
CHIKKAMAGALURU-577102

#	Particulars	I Year	II Year
01	Registration Fee	450/-	
02	Application Fee	300/-	, — ×, //e
03	Convocation Fee	1500/-	
04	Academic fee	47,750/-	47,750/-
05	Exam Fee	1500/-	1500/-
06	Marks Card Fee	750/-	750/-
	fee Payable (Indian Students)	Rs. 52,250/-	Rs. 50,000/-

By order

To,

- The principals of all affiliated/constituent/autonomous engineering colleges and school of Architecture of VTU- for kind information and needful.
- The Chairpersons of all the Departments, Centers for PG Studies in Muddenahalli, Belagavi, Kalaburgi and Mysuru - for kind information and needful.

Copy to:

The Secretary to VC, VTU, Belagavi- for kind information.

2. The Director, VTU Centre for Online Education, Mysuru - for information and needful.

Dr. KIRAN B. M.
B.E.,M.Tech.,Ph.D Professor & Head B.E.,M.Tech.,Ph.D Department of Civil Engineering Adichunchanagiri Institute of Technology CHIKKAMAGALURU-577102





("ವಿ ಟಿ ಯು ಅಧಿನಿಯಮ ೧೯೯೪" ರ ಅದಿಯಲ್ಲಿ ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಸ್ಥಾಪಿತವಾದ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯ)



VISVESVARAYA TECHNOLOGICAL UNIVERSITY

(State University of Government of Karnataka Established as per the VTU Act, 1994) "JnanaSangarna" Belagavi-590018, Karnataka, India

Prof. Dr. B. E. Rangaswamy, Ph.D. REGISTRAR

Phone: (0831) 2498100

: (0831) 2405467

REF: VTU/BGM/ACA/2023-24/ 2668

DATE: 5 AUG 2023

NOTIFICATION

Subject:

Tentative Academic Calendar of 1st semesters of B.E./B.Tech./B.Arch./B.Plan., and VII

semester of B.E./B.Tech., programs of University regarding...

Reference:

Dean faculty of Engineering, VTU Belagavi approval dated 24.08.2023

Hon'ble Vice-Chancellor's approval dated: 24.08.2023

The tentative academic calendar concerned to 1st semesters of B.E./B.Tech./B.Arch./B.Plan., and VII semester of B.E./B.Tech., programs of University for academic year 2023-24 are hereby notified as

Commongo	I semester B.E./B.Tech (2022 scheme)	I semester B.Plan/B.Arch	VII semeste B.E./B.Tech (2018 scheme)
Commencement of the Semester	04.09.2023	04.09.2023	14.08.2023
# Internship/Students Induction Program	04.09.2023 To 14.09.2023	04.09.2023 To	14.08.2023 To
Commencement of Classes	15.09.2023	14.09.2023 15.09.2023	09.09.2023 11.09.2023
Last Working day of the Semester	06.01.2024	06.01.2024	06.01.2024
Practical Examination	08.01.2024 To 19.01.2024	08.01.2024 To 19.01.2024	08.01.2024 To
Theory Examinations	22.01.2024 To 17.02.2024	22.01.2024 To 17.02.2024	19.01.2024 22.01.2024 To
Commencement of NEXT Semester	19.02.2024	19.02.2024	13.02.2024

Internship for VI semester completed students and Students Induction Program for 1× semester Students

Please Note:

The academic sessions for ODD semesters should commence on the date mentioned above.

1/2

- ** Induction Program shall be conducted for 11 days at the beginning of 1st semester and 10 days at the beginning of the 2nd semester. During the induction program, college has to brief about the new curriculum that implemented from the academic year 2022-23.
- If required, the college can plan to have extra classes on 1st and 3rd Saturday and Sundays to complete academic activities within the duration mentioned.
- The faculty/staff shall be available to undertake any work assigned by the university.
- 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.
- Academic Calendar is also applicable for Autonomous Colleges. If any changes are to be effected by Autonomous Colleges in the academic terms and examination schedule, they could do so with the approval of the University.
- The circular related to AICTE Activity point will be issued by the Registrar's office separately.
- If any suggestions/clarification/correction, please email to -sbhvtuso@yahoo.com

The Principals of Affiliated, Constituent and Autonomous Engineering Colleges, Chairpersons of the University departments are hereby informed to bring the academic calendar to the notice of all concerned.

Sd/-

REGISTRAR

To,

- The Principals of all affiliated/constituent/Autonomous Engineering Colleges under the ambit of 1. VTU Belagavi.
- The chairperson, of the Department of Mechanical Engineering /Civil Engineering /Computer 2. Science and Engineering& Communication Electronics Engineering of the University.

Copy to.

9.

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

Professor & Head
Department of Civil Engineering
Adichunchanagiri Institute of Technology
CHIKKAMAGALURU-577102







("ವಿ ಟಿ ಯು ಅಧಿನಿಯಮ ೧೯೯೪" ರ ಅಡಿಯಲ್ಲಿ ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಸ್ಥಾಪಿತವಾದ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯ)

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Prof. Dr. B. E. Rangaswamy, Ph.D.

REGISTRAR

REF: VTU/BGM/ACA/2023-24/ 2668

Phone: (0831) 2498100 : (0831) 2405467

DATE: 5 AUG 2023

NOTIFICATION

Subject:

Tentative Academic Calendar of 1st semesters of B.E./B.Tech./B.Arch./B.Plan., and VII

semester of B.E./B.Tech., programs of University regarding...

Reference:

Dean faculty of Engineering, VTU Belagavi approval dated 24.08.2023

Hon'ble Vice-Chancellor's approval dated: 24.08.2023

The tentative academic calendar concerned to 1st semesters of B.E./B.Tech./B.Arch./B.Plan., and VII semester of B.E./B.Tech., programs of University for academic year 2023-24 are hereby notified as mentioned below;

	I semester B.E./B.Tech (2022 scheme)	I semester B.Plan/B.Arch (2022 scheme)	VII semester B.E./B.Tech (2018 scheme)
Commencement of the Semester	04.09.2023	04.09.2023	14.08.2023
# Internship/Students Induction Program	04.09.2023 To 14.09.2023	04.09.2023 To 14.09.2023	14.08.2023 To 09.09.2023
Commencement of Classes	15.09.2023	15.09.2023	11.09.2023
Last Working day of the Semester	06.01.2024	06.01.2024	06.01.2024
Practical Examination	08.01.2024 To 19.01.2024	08.01.2024 To 19.01.2024	08.01.2024 To 19.01.2024
Theory Examinations	22.01.2024 To 17.02.2024	22.01.2024 To 17.02.2024	22.01.2024 To 09.02.2024
Commencement of NEXT Semester	19.02.2024	19.02.2024	13.02.2024

Internship for VI semester completed students and Students Induction Program for 1st semester Students

Please Note:

The academic sessions for ODD semesters should commence on the date mentioned above.

1/2

Professor & Head B.E.,M.Tech.,Ph.D Department of Civil Engineering Adichunchanagiri Institute of Technology CHIKKAMAGALURU-577102

- ** Induction Program shall be conducted for 11 days at the beginning of 1st semester and 10 days at the beginning of the 2nd semester. During the induction program, college has to brief about the new curriculum that implemented from the academic year 2022-23.
- If required, the college can plan to have extra classes on 1st and 3rd Saturday and Sundays to complete academic activities within the duration mentioned.
- The faculty/staff shall be available to undertake any work assigned by the university.
- 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.
- Academic Calendar is also applicable for Autonomous Colleges. If any changes are to be effected
 by Autonomous Colleges in the academic terms and examination schedule, they could do so with
 the approval of the University.
- The circular related to AICTE Activity point will be issued by the Registrar's office separately.
- If any suggestions/clarification/correction, please email to -sbhvtuso@yahoo.com

The Principals of Affiliated, Constituent and Autonomous Engineering Colleges, Chairpersons of the University departments are hereby informed to bring the academic calendar to the notice of all concerned.

Sd/-

REGISTRAR

To,

- 1. The Principals of all affiliated/ constituent /Autonomous Engineering Colleges under the ambit of VTU Belagavi.
- 2. The chairperson, of the Department of Mechanical Engineering /Civil Engineering /Computer Science and Engineering& Communication Electronics Engineering of the University.

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.
- The Regional Directors (I/c) of all the regional offices of VTU for circulation.
- 4. The Director I/c. ITI SMU, VTU Belagavi for information and to make arrangements to upload 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. OS for information and make arrangements to send the circular regarding AICTE Activity Points
- 9. All the concerned Special Officer/s and Caseworker/s of the academic section, VTU, Belagavi

REGISTRAR

SHEATURE OF HOD

Dr. KIRAN B. M.

Professor & Head
Department of Civil Engineering
Adichunchanagiri Institute of Technology
CHIKKAMAGALURU-577102

2/2







Visvesvaraya Technological University

(State University of Government of Kamataka Established as per the VTU Act. 1994) "Juana Sangama" Belagavi-590018, Kamataka, India

Dr. T.N. Sreenivasa

BE.ME., PhD., FIE, CEng.

Registrar (Evaluation)

Phone: (0831) 2498131

Fax : (0831) 2498184

2 7 JAN 2024 Ref.No/VTU/Exam/QPDS/CW(2)/2023-2024/ 146 ろ Date:

CIRCULAR

Sub: Rescheduling of I/II-Semester, BE. / B. Tech. Examinations, Dec. 2023/Jan. 2024,

The examinations for I / II Semester, B.E. / B.Tech. [CBCS, 2022 Scheme] are rescheduled. The rescheduled time table is published here with and is available on VTU Website https://vtu.ac.in

The contents of this circular may kindly be brought to the notice of all the concerned.

Sd/-

Registrar (Evaluation)

The Principals of all the affiliated engineering colleges and constituent engineering college. To,

1. The Hon'ble Vice Chancellor, through the Secretary to VC, VTU, Belagavi, for kind information.

The Registrar, VTU, Belagavi, for kind information.

The Regional Directors, R.O. Bengaluru / Belagavi / Kalaburagi /Mysuru, for kind information.

The Director, ITISMU, VTU Belagavi, for information and needful.

Registrar (Evaluation)

Jun

Dr. KIRAN B. M.
B.E.,M.Tech.,Ph.D Professor & Head B.E.,M.Tech.,Ph.D Department of Civil Engineering Adichunchanagiri Institute of Technology CHIKKAMAGALURU-577102

Visvesvaraya Technological University, Belagavi

Rescheduled - Time Table for I/II - Semester, 2022 Scheme [CBCS]
B.E./B.TECH. Examinations, Dec.2023 / Jan.2024

Sr.No	Subject Code	Subject Tittle	Date	Times	
	BMATM201	Mathematics-II for ME Stream	Date	Time	
'	BMATE201	Mathematics-II for EEE Stream	30/01/2024	2.00 pm	
	BMATC201	Mathematics-II for Civil Engg stream	33.31.2024	to 5.00 pm	
	BMATS201	Mathematics-II for CSE Stream		to 5.00 pm	
	BMATM101	Mathematics-I for ME Stream			
II	BMATE101	Mathematics-I for EEE Stream	02/02/2024	2.00 pm to 5.00 pm	
	BMATC101	Mathematics-I for Civil Engg stream	02,2024		
	BMATS101	Mathematics-I for CSE Stream			
Ш	BPHYM102/202	Applied Physics for ME Stream			
111	BPHYE102/202	Applied Physics for EEE Stream	04/02/2024	2.00 pm	
	BPHYC102/202	Applied Physics for Civil Engg Stream		to 5.00 pm	
	BPHYS102/202	Applied Physics for CSE Stream		10 0.00 pm	
13.7	BCHEM102/202	Applied Chemistry for ME Stream			
IV	BCHEE102/202	Chemistry for EEE Stream	05/02/2024	2.00 pm to 5.00 pm	
	BCHEC102/202	Applied Chemistry for Civil Engg Stream	00,02,2024		
	BCHES102/202	Applied Chemistry for CSE Stream	1 1		
	BEMEM103/203	Elements of Mechanical Engineering			
	BEEE103/203	Elements of Electrical Engineering	1	2 00	
V	BBEE103/203	Basic Electronics for EEE Stream	06/02/2024	2.00 pm	
	BCIVC103/203	Engineering Mechanics	00/02/2024	to 5.00 pm	
	BPOPS103/203	Principles of Programming Using C	1		
	BESCK204A	Introduction to Civil Engineering			
	BESCK204B	Introduction to Electrical Engineering	-	2.00	
VI	BESCK204C	Introduction to Electronics & Communication	07/02/2024	2.00 pm	
	BESCK204D	Introduction to Mechanical Engineering	01/02/2024	to 5.00 pm	
	BESCK204E	Introduction to C Programming	-{		
	BESCK104A	Introduction to Civil Engineering			
	BESCK104B	Introduction to Electrical Engineering	4		
VII	BESCK104C	Introduction to Electronics & Communication	-	2.00 pm	
	BESCK104D	Introduction to Mechanical Engineering	08/02/2024	to 5.00 pm	
	BESCK104E	Introduction to C Programming	_		
	BETCK205A	Smart Materials and Systems			
	BETCK205B	Green Buildings	-		
	BETCK205C	Introduction to Name Tool	_		
VIII	BETCK205D	Introduction to Nano Technology			
	BETCK205E	Introduction to Sustainable Engineering	09/02/2024	2.00 pm	
	BETCK205F	Renewable Energy Sources		to 5.00 pm	
	BETCK205G	Waste Management			
	BETCK205H	Emerging Applications of Biosensors			
		Introduction to Internet of Things (IoT)			
	BETCK2051	Introduction to Cyber Security			
	BETCK205J	Introduction to Embedded Systems		1	

Page 1 of 2

27.1.24

Sr.No	Subject Code	Subject Tittle	Date	Time	
	BETCK105A	Smart Materials and Systems			
	BETCK105B	Green Buildings			
	BETCK105C	Introduction to Nano Technology		_	
IX	BETCK105D	Introduction to Sustainable Engineering	10/02/2024	2.00 pm	
	BETCK105E	Renewable Energy Sources		to 5.00 pm	
	BETCK105F	Waste Management			
	BETCK105G	Emerging Applications of Biosensors			
	BETCK105H	Introduction to Internet of Things (IoT)			
	BETCK1051	Introduction to Cyber Security			
	BETCK105J	Introduction to Embedded Systems			
	BPLCK105A	Introduction to Web Programming		0.00 am	
X	BPLCK105B Introduction to Python Programming		12/02/2024	2.00 pm to 5.00 pm	
	BPLCK105C	K105C Basics of JAVA Programming		to 5.00 pm	
	BPLCK105D	Introduction to C++ Programming			
	BPLCK205A Introduction to Web Programming				
ΧI	BPLCK205B	Introduction to Python Programming	13/02/2024	2.00 pm	
	BPLCK205C	Basics of JAVA Programming		to 5.00 pm	
	BPLCK205D	Introduction to C++ Programming		0.00 10	
XII	BENGK106/206	Communicative English	14/02/2024	2.00 pm to 3.00 pm	
XIII	BPWSK106/206	Professional Writing Skills in English	15/02/2024	2.00 pm to 3.00 pm	
7III			16/02/2024	2.00 pm	
XIV	BKSKK107/207	Samskrutika Kannada		to 3.00 pm	
	BKBKK107/207	Balake Kannada		2.00 pm to	
		Indian Constitution	17/02/2024	3.00 pm	
ΧV	BICOK107/207	Indian Constitution		2.00 pm to	
	77.1.50/050	Innovation and Design Thinking	19/02/2024	3.00 pm	
XVI	BIDTK158/258	Illiovation and Decigi.		2.00 pm to	
	BSFHK158/258 Scientific Foundations of Health		20/02/2024	3.00 pm	

Registrar (Evaluation)

Page 2 of 2





Visvesvaraya Technological University (State University of Government of Karnatakar Established as per the VIII Act. (1991)

"Inana Sangama" Belagayi-590018, Karnataka, India.

Dr. T.N. Sreenivasa BE., ME., PhD., FIE, CEng. Registrar (Evaluation) Phone: (0831) 2498131

Fax : (0831) 2498184

Ref. No. VTU/BGM/Reg(E)/PS/2023-2024/1482

CIRCULAR

Sub: Conduct of UG Practical Examinations of Dec. 2023/Jan 2024.

Ref: 1. VTU/BGM/Reg.(E)/PS/2023-2024/1198, date 29 NOV 2023.

2. VTU/Exam/QPDS/CW(2)/2023-2024/1447, date 23 JAN 2024.

3. VTU/BOS/AC2023-2024(ODD)/5858, date 24 JAN 2024.

The Principals of Constituent and Affiliated Engineering Colleges are requested to note the following in respect of Conduct of Odd Semester B.Plan VII semester practical examinations of Eligible Students as per below.

> B.Plan VII sem.

SCHEDULES

Events	Dates
Uploading Batch lists through web interface and approval of	
batches by the Principals of respective institutions.	31.01.2024
Approval by the Incharge Regional Directors	01.02.2024
Allocation of Examiners by the BoE Coordinators	01.02.2024
Practical Examinations;	05.02.2024
VII Sem. B.Plan	То
	10.02.2024

For other instructions please refer to the circulars under reference above.

For Conduction of Question Paper related practical subjects please refer to the circular under reference no. 2 above.

The contents of this circular must be brought to the notice of all the concerned.

REGISTRAR (EVALUATION)

- 1. The Principals of Constituent and Affiliated engineering colleges.
- 2. Chairpersons and Program Coordinators of VTU PG Centers.

Copy FWC's to:

- 1. Hon'ble Vice-Chancellor through the Sec. to VC, VTU, Belagavi for information.
- 2. The Registrar, VTU, Belagavi for information.
- 3. The Incharge Regional Directors of VTU Regional Offices, for information & needful,
- 4. The I/c Director, l'TISMU, VTU, Belagavi for information & needful.

REGISTRAR (EVALUATION)

Professor & Head B.E.,M.Tech.,Ph.D Department of Civil Engineering Adichunchanagiri Institute of Technology CHIKKAMAGALURU-577102



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Visvesvaraya Technological University

tState University of Government of Kamaraka Established as per the VTU Act. (1991). "Juana Sangama" Belagavi-590018, Karnataka, India.

Dr. T.N. Sreenivasa
BE.,ME., PhD.,FIE,CEng.
Registrar (Evaluation)

Phone: (0831) 2498131

Fax : (0831) 2498184

Date: 30 JAN

Ref. No. VTU/BGM/Reg(E)/PS/2023-2024/1482

CIRCULAR

Sub: Conduct of UG Practical Examinations of Dec.2023/Jan 2024.

Ref: 1. VTU/BGM/Reg.(E)/PS/2023-2024/1198, date 29 NOV 2023.

2. VTU/Exam/QPDS/CW(2)/2023-2024/1447, date 23 JAN 2024.

3. VTU/BOS/AC2023-2024(ODD)/5858, date 24 JAN 2024.

The Principals of Constituent and Affiliated Engineering Colleges are requested to note the following in respect of Conduct of Odd Semester B.Plan VII semester practical examinations of Eligible Students as per below.

B.Plan VII sem.

SCHEDULES

Events	Dates
Uploading Batch lists through web interface and approval of	
batches by the Principals of respective institutions.	31.01.2024
Approval by the Incharge Regional Directors	01.02.2024
Allocation of Examiners by the BoE Coordinators	01.02.2024
Practical Examinations;	05.02.2024
VII Sem. B.Plan	То
	10.02.2024

For other instructions please refer to the circulars under reference above.

For Conduction of Question Paper related practical subjects please refer to the circular under reference no. 2 above.

The contents of this circular must be brought to the notice of all the concerned.

Sd/-REGISTRAR (EVALUATION)

To,

1. The Principals of Constituent and Affiliated engineering colleges.

2. Chairpersons and Program Coordinators of VTU PG Centers.

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- 1. Hon'ble Vice-Chancellor through the Sec. to VC, VTU, Belagavi for information.
- 2. The Registrar, VTU, Belagavi for information.
- 3. The Incharge Regional Directors of VTU Regional Offices, for information & needful.
- 4. The I/c Director, ITISMU, VTU, Belagavi for information & needful.

REGISTRAR (EVALUATION)



ವಿ ಟಿ ಯು ಅಧಿನಿಯನಾ ೧೯೯೬ ಗ ಅಧಿಯಾಗಿ ಕರ್ನಾಟಕ ಸರ್ಕಾರಗಳು ನಾಪಿತವಾದ ರಾಜ ವಿಶವಿಧಾ ಉತ್



(State University of Government of Karmataka Established as per the VTU Act. 1994)
"Ingua Sangama" Belagay 590018. Karmataka, India

Prof. B. E. Rangaswamy Ph.D. REGISTRAR

VTU/BGM/Aca/Ph.D./2022-23/11 9 O

Phone: (0831) 2498100 Fax : (0831) 2405467

Date: 3 O JAN 2024

CIRCULAR

Sub: The Provisional Ph.D. / M. S. (Research) Registration reg... Ref: 1. VTU/BGM/Aca./Ph.D./2022-23/227 dated 06-06-2023.

2. VTU/BGM/Aca./Ph.D./2022-23/1109 dated 17-01-2024.

The Candidates who submit all necessary documents and attested copies to the allotted Research center, and the Principals of the Colleges under VTU. Chairpersons / Director of University Departments, Principals or Dean (Architecture)/ Heads of the Research centers are to be verified all the necessary documents and Approved candidates are required to pay the following University fees

Registration fee

Rs.7.000/-

University Development fee

Rs.3,000/-

E-consortium fees

Rs.3,000/-

Total

Rs.13,000/-

This amount has to be paid to VTU, directly by using online mode through the gateway by using their respective login credentials: https://jnanashodha.vtu.ac.in.

The provisional Ph.D./M.S (Research) Registration order copy is available on, https://manashodha.vtu.ac.in. The Head of Research center / Research Supervisor / Candidate may download the same using their login credentials and same would be available from 04:00 pm onwards on 01st February 2024.

The candidates, who have not completed the document verification for any reasons, can do so on or before 07-02-2024 with a penal fee of Rs.1000/- payable to University through online mode, failing which no further opportunity will be given for the current ETR.

All other conditions and details remain unchanged as per the notification as referred above.

30 01 24 REGISTRAR V 30 11 124

To,

- 1. The Principal of all Affiliated, Autonomous, and Constituent Colleges under the ambit of VTU, Belagavi.
- 2. All Chairpersons of Department VTU Belagavi.
- 3. The Heads of Recognized Research Centers of VTU
- 4. The Regional Director (I/c), of VTU's Regional Office at Bengaluru, Belagavi, Kalaburagi, and Mysuru.
- 5. The Director, R&D. VTU, Belagavi for information.
- 6. The Director (I/c), ITISMU VTU, Belagavi for information and uploading on a website.

Copy to:

- 1. The Hon'ble Vice-Chancellor, through the Secretary to VC, VTU, Belagavi.
- 2. The Registrar Officer, VIII, Belagavi for information.
- 3. The Registrar (Evaluation) Officer, VTU, Belagay, for information
- 4. The Finance Officer, VTU. Belagavi for information.
- 5. Office Copy:



("ವಿ ಚ ಯು ಅಧಿನಿಯಮ 1994"ರ ಆಡಿಯಲ್ಲ ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಸ್ಥಾಪಿತವಾದ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯ)

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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

Phone:0: Fax :0:

Email : re Web : h

Prof. B. E. Rangaswamy, Ph.D

REGISTRAR

REF: VTU/BGM/BoS/598/2024-25/ 1813

DATE:

23 JUL 2024

CIRCULAR

Dear Sir/ Madam

Subject: 2021 scheme Industry Internship /Research Internship (21INT82): Regarding

Reference:

- Joint Board of Studies recommendation vide proceeding no. 01(g) meeting 21.06.2024
- Proceeding number 2.2.1 of 178th EC meeting dated 17.07.2024
- 3. VTU/BGM/Aca/BoS/2023/257, Dated: 10.04.2023
- 4. Dean Faculty of Engineering approval dated: 22.07.2024
- 5. Hon'ble Vice-Chancellor's approval Dated: 23.07.2024

This refers to the subject mentioned earlier, based on the recommendation of th Board of Studies and approval by the EC of VTU, Belagavi, the duration of the Ir Internship/Research Internship (21INT82) under the 2021 scheme has been fixe weeks. The institute has the flexibility to interchange(swap) the internship betwo and 8th semesters based on the total number of students, and the availab internships (the colleges shall assist in getting internships to the students). This 1 semester duration will help students to complete their academic requirements o The students have to follow the rules and for the Ir guidelines available is Internship Internship/Research https://vtu.ac.in/pdf/regulations2021/anex4.pdf (Annexure-IV Activities Internship).

- An industry or research internship should be conducted under the superv
 a faculty mentor or guide (refer to clause 1.3 of Annexure IV: Activities
 Internship, page 06). The mentor or guide is responsible for assisting stuc
 securing appropriate industry internships and ensuring that they acqu
 necessary skills to benefit their future careers.
- Students undertaking internships must maintain a daily diary (internship as specified in Annexure IV (Activities under Internship).
- 3. The faculty mentor or guide must adhere to the guidelines provided conduct of CIE and SEE. Additionally, they are responsible for guiding the

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'ಜಾನ ಸಂಗಮ' ಬೆಳಗಾವಿ - 590 018. ಕರ್ನಾಟಕ

"Jnana Sangama" Belagavi - 590 018 |

to ensure the smooth execution of the internship and the preparation of the internship report (daily diary).

- 4. The mentor/guide/college shall submit all related documents to the University whenever requested.
- 5. For an-industry internship, the intern must adhere to all the safety regulations of the internship provider. Any deviation from these safety norms and the resulting consequences are solely the responsibility of the intern (student).
- 6. With the consent of the internal guide and Principal of the Institution, students shall be allowed to carry out the internship within or outside the state or abroad, provided favorable facilities are available for the internship and the student remains regularly in contact with the internal guide.
- University shall not bear any cost involved in carrying out the internship by students. However, students can receive any financial assistance extended by any organization.
- 8. As in the reference point number 03, students who are unable to secure an internship must take SKILL ENHANCEMENT COURSES, with credits totaling the same as those of the internship. Students are required to enroll in and complete the Skill Enhancement Courses available at (https://online.vtu.ac.in/category/courses/Skill-Enhancement-Course).

All the principals of autonomous/affiliated/constituent engineering colleges are hereby informed to bring the content of the circular to the notice of the Mentor/Guide for internship and the concerned students.

Sd/-Registrar

To.

1. Principals of all A Engineering Colleges of the University

2. The Chairpersons of the University departments of VTU at Kalaburgi, Mysuru, Bengaluru 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 (1/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, Central Placement Cell, VTU Belagavi for information

Office copy

REGISTRAR



್ನಿ ಟಿ ಯೇ ಅಧಿನೆಯನು ೧೯೯೪ ರ ಅಧಿಯಲ್ಲಿ ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಸ್ವಾಪಿಕವಾದ ರಾಜ, ವಿಶ್ವವಿದ್ಯಾಲಯ:



Visvesvaraya Technological University

(State University of Government of Kamataka Established as per the VTU Act, 1994) "Juana Sangama" Belagavi-590018, Karnataka, India

Dr. T.N. Sreenivasa

BE_ME_PED_FIE/CEME

Registrar (Evaluation)

Phone : (0831) 2498131

Fax : (0831) 2498184

Ref.No/VTU/Exam/QPDS/CW(2)/2024-2025/ 587

Date:

25 JUL 2024

CIRCULAR

Sub: Time Table for 2021 Scheme, III/IV Semester, B.E./B.Tech.

Examination, June/July 2024.

The Time Table for eligible students of III and IV Semester, B.E. / B.Tech. 2021 Scheme (CBCS), June/July 2024 Examination is published herewith and is also available on the VTU Website https://vtu.ac.in.

The Principals of all the constituent and affiliated Engineering Colleges are requested to go through the time table and bring the contents of the same to the notice of all the concerned.

> Sd/-Registrar (Evaluation)

Ta

The Principals of all the affiliated Engineering Colleges and constituent Engineering College.

C.W.C.:

- 1. The Hon ble Vice Chancellor, through the Secretary to VC, VTU, Belagavi, for kind information.
- The Registrar, VTU, Belagavi, for kind information.
- 3. The Regional Directors, R.O. Bengaluru / Belagavi / Kalaburagi / Mysuru, for kind information.
- 4. The Director, ITISMU, VTU Belagavi, for information and needful.

Registrar (Evaluation)

Visvesvaraya Technological University, Belagavi Time Table for Eligible Students of B.E./B.TECH, III/IV Semester, 2021 Scheme [CBCS] Examinations, June/July 2024

	B.E./B.Tech.				
Date, Day	III - Semester	IV - Semester			
	2.00pm to 5.00pm	2.00pm to 5.00pm			
26-08-2024, Monday		21MAT41/21MAT*41			
28-08-2024, Wednesday	21 * * 31 (includes 21MAT31)				
29-08-2024, Thursday		21 * * 42			
30-08-2024, Friday	21 * * 32				
02-09-2024, Monday		21 * * 43			
03-09-2024, Tuesday	21 * * 33				
04-09-2024, Wednesday		21 * * 44			
05-09-2024, Thursday	21 * * 34				
06-09-2024, Friday		21BE45			
09-09-2024, Monday	21KSK37 / 21KBK37 (2.00pm to 3.00pm)	21KSK47 / 21KBK47 (2.00pm to 3.00pm)			
10-09-2024, Tuesday	21CIP37 (2.00pm to 3.00pm)	21CIP47 (2.00pm to 3.00pm)			
11-09-2024, Wednesday		21UH49 (2.00pm to 3.00pm)			
12-09-2024, Thursday	21 * * 38 *				
13-09-2024, Friday		21 * * 48 *			

Registrar (Evaluation)



REGISTRAR

ವಿಶ್ವೇಶ್ವರಯ್ಯತಾಂತ್ರಿಕವಿಶ್ವವಿದ್ಯಾಲಯ

ವಿಟಿಯುಅಧಿನಿಯಮ೧೯೯೪ರಅಡಿಯಲ್ಲಿಕರ್ನಾಟಕಸರ್ಕಾರದಿಂದಸ್ಥಾಪಿತವಾದರಾಜ್ಯವಿಶ್ವವಿದ್ಯಾಲಯ

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

State University of Government of Karnataka Established as per the VTU Act, 1994" Inana Sangama" Belagavi-590018,

Karnataka, India

Phone: (0831) 2498100 Fax: (0831) 2405467

DATE:

CIRCULAR

Sir/ Madam,

REF: VTU/BGM/BoS/Conf/2023-24/ 1966

Subject: Clarification of 2021 scheme Industry/Research Internship (21INT82) regarding

Reference: VTU/BGM/BoS/598/2024-25/1813, Dated 23.07.2024

Based on the queries received, the following points are clarified for the (21INT82) Industry/Research Internship:

- According to the teaching and examination scheme, the Technical Seminar (21SEM81) and Industry/Research Internship (21INT82) are scheduled for the eighth semester, while the Project Work (21PROJ76) and other theory courses (21xx71 to 21xx75X) are in the seventh semester.
- 2. Industry /Research Internship duration is 15 weeks as per 178th EC proceedings
- 3. According to the scheme, the seventh and eighth semesters are interchangeable (Swappable). In the ODD semester, 50% of the final-year students can choose to take eighthsemester courses (technical seminar and internship), while the remaining students can take project work along with the theory courses of the seventh-semester. In the EVEN semester, the roles are reversed.
- 4. This swapping arrangement is designed to ensure that all students have the opportunity to participate in an internship. However, students who do not secure an internship can instead take Skill Enhancement Courses (SEC), which have credits totalling to those of the internship. The SECsare available @ online.vtu.ac.in.
- 5. Guidelines for Internship are mentioned in Annexure-IV (Activities under Internship) which is made available @ https://vtu.ac.in/pdf/regulations2021/anex4.pdf

Please note that the college must inform the Registrar (Evaluation) about the details of the students who are taking seventh-semester courses, those taking eighth-semester courses, and those opting for Skill Enhancement Courses (SEC) in the upcoming semester. These details must reach the Registrar (Evaluation) office within 10 days of the start of the odd semester.

1k

All principals of affiliated or constituent engineering colleges and chairpersons of university departments are hereby informed to update these details for all concerned faculty and students...

Sd/-

REGISTRAR

To, All the Principals of Engineering Colleges under the ambit of the University All the Chairpersons/Program Coordinators of University Departments at Kalburgi, Mysuru, Bengaluru, and Belagavi

Copy to

- The Hon'ble Vice-Chancellor through the secretary to VC for information
- The Registrar (Evaluation) for information and needful
- The Director, ITI,SMU,VTU Belagavi for information and needful also request to upload the circular onthe University website
- The Special Officer QPDS section of VTU Belagavi for information and needful
- Special Officer, COEMysuru for information and upload the circular on the website online.vtu.ac.in

Office copy

REGISTRAR Final

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

B.E. in name of the Program

Scheme of Teaching and Examinations 2021
Outcome Based Education(OBE) and Choice Based Credit System (CBCS)
(Effective from the academic year 2021 - 22)

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JBOS28022022/EC09032022/KM27042022

21XX751	Open Electives - II offered by the Dep	artment to	other Department students
21XX751 21XX752		21XX754	The students
21XX753		21XX755	

Note: PCC: Professional Core Course, PEC: Professional Elective Courses, OEC-Open Elective Course, AEC - Ability Enhancement Courses. L - Lecture, T - Tutorial, P- Practical / Drawing, S - Self Study Component, CIE: Continuous Internal Evaluation, SEE: Semester End Examination.

Note: VII and VIII semesters of IV year of the programme

- (1) Institutions can swap VII and VIII Semester Scheme of Teaching and Examinations to accommodate research internship/industry internship after
- (2) Credits earned for the courses of VII and VIII Semester Scheme of Teaching and Examinations shall be counted against the corresponding semesters whether VII or VIII semester is completed during the beginning of IV year or later part of IV year of the program.

PROJECT WORK (21XXP75): The objective of the Project work is

- (i) To encourage independent learning and the innovative attitude of the students.
- (ii) To develop interactive attitude, communication skills, organization, time management, and presentation skills.

(iii) To impart flexibility and adaptability.

(iv) To inspire team working.

- (v) To expand intellectual capacity, credibility, judgment and intuition.
- (vi) To adhere to punctuality, setting and meeting deadlines.

(vii) To install responsibilities to oneself and others.

(viii) To train students to present the topic of project work in a seminar without any fear, face the audience confidently, enhance communication skills, involve in group discussion to present and exchange ideas.

CIE procedure for Project Work:

(1) Single discipline: The CIE marks shall be awarded by a committee consisting of the Head of the concerned Department and two senior faculty members of the Department, one of whom shall be the Guide.

The CIE marks awarded for the project work, shall be based on the evaluation of the project work Report, project presentation skill, and question and answer session in the ratio 50:25:25. The marks awarded for the project report shall be the same for all the batch mates.

(2) Interdisciplinary: Continuous Internal Evaluation shall be group-wise at the college level with the participation of all guides of the college. Participation of external guide/s, if any, is desirable. The CIE marks awarded for the project work, shall be based on the evaluation of project work Report, project presentation skill, and question and answer session in the ratio 50:25:25. The marks awarded for the project report shall be the same

SEE procedure for Project Work: SEE for project work will be conducted by the two examiners appointed by the University. The SEE marks awarded for the project work shall be based on the evaluation of project work Report, project presentation skill, and question and answer session in the ratio

TECHNICAL SEMINAR (21XXS81): The objective of the seminar is to inculcate self-learning, present the seminar topic confidently, enhance communication skill, involve in group discussion for the exchange of ideas. Each student, under the guidance of a Faculty, shall choose, preferably, a recent topic of his/her interest relevant to the program of Specialization.

(i) Carry out a literature survey, and systematically organize the content. (ii) Prepare the report with your own sentences, avoiding a cut and paste act. (iii) Type the matter to acquaint with the use of Micro-soft equation and drawing tools or any such facilities. (iv) Present the seminar topic orally and/or through PowerPoint slides. (v) Answer the queries and involve in debate/discussion. (vi) Submit a typed report with a list of

The participants shall take part in the discussion to foster a friendly and stimulating environment in which the students are motivated to reach high standards and become self-confident.

Evaluation Procedure:

The CIE marks for the seminar shall be awarded (based on the relevance of the topic, presentation skill, participation in the question and answer session, and quality of report) by the committee constituted for the purpose by the Head of the Department. The committee shall consist of three teachers from the department with the senior-most acting as the Chairman.

Marks distribution for CIE of the course:

Seminar Report:50 marks

Presentation skill:25 marks

Question and Answer: 25 marks. ■ No SEE component for Technical Seminar

Non-credit mandatory courses (NCMC):

National Service Scheme/Physical Education (Sport and Athletics)/ Yoga:

- (1) Securing 40 % or more in CIE,35 % or more marks in SEE, and 40 % or more in the sum total of CIE + SEE leads to successful completion of the
- (2) In case, students fail to secure 35 % marks in SEE, they have to appear for SEE during the subsequent examinations conducted by the University.
- (3)In case, any student fails to register for NSS, PE or Yoga/fails to secure the minimum 40 % of the prescribed CIE marks, he/she shall be deemed to have not completed the requirements of the course. In such a case, the student has to fulfill the course requirements during subsequently to earn the qualifying CIE marks subject to the maximum program period.

(4) Successful completion of the course shall be indicated as satisfactory in the grade card. Non-completion of the course shall be indicated as

(5) These courses shall not be considered for vertical progression as well as for the calculation of SGPA and CGPA, but completion of the courses shall be mandatory for the award of a degree.

JBOS28022022/EC09032022/KM27042022

Professor & Head
Department of Civil Engineering
Adichunchanagiri Institute of Technology
CHIKKAMAGALURU-577102



Civil Engineering (CV)

Course Name: RESEARCH METHODOLOGY & INTELLECTUAL PROPERTY RIGHTS (21RMI56)

Class: Semester 5 A

Ms Seema B S
Assistant Professor,
2023-24



1. Faculty Details

Name : Ms Seema B S

Qualification : M.Tech

Department : CV

Permanent Address : BI PASS, KALYANA NAGARA,

CHIKMAGALUR, 577101, INDIA

Phone Number : 8277660928

Email ID : seemabsgowda@gmail.com

Specimen Signature :



2. Course Allotted

Allotted Duty	Course Title	Course Code
THEORY 1	RESEARCH METHODOLOGY & INTELLECTUAL PROPERTY RIGHTS	21RMI56



Department of Civil Engineering (CV)

3. Academic calendar 2023-24 (Semester 5)

Date	Day	Event
25 Nov 2023	SATURDAY	Term Start Date
8 Mar 2024	FRIDAY	Maha shivarathri
16 Mar 2024	SATURDAY	Term End Date

Signature of HOD

Dr. KIRAN B. M.

B.E.,M.Tech.,Ph.D Professor & Head
Professor & Head
Department of Civil Engineering
Adichunchanagiri Institute of Technology
CHIKKAMAGALURU-577102



Department of Civil Engineering (CV)

4. Timetable

	1	2	3	4		5	7
	09:00 AM	10:00 AM	11:15 AM	12:15 PM	01:15 PM	02:30 PM	04:10 PM
	To	То	To	То	To	То	To
	10:00 AM	11:00 AM	12:15 PM	01:15 PM	02:30 PM	05:00 PM	05:00 PM
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						BCV503	
MON					_	CV	
					В	Semester 5	
					R	Section CV	
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		BCV503			A	18CVL77	BSCK307
TUE		CV			K	CV	CS(DS)
		Semester 5				Semester 7	Semester 3
		Section CV				Section B	Section DS
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WED				CV			
				Semester 5			
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	Semester 5						
	Section CV						
SAT							
SUN							

Department of Civil Engineering (CV)

5. Department Details

5.1 Preliminary Information

PROGRAM OUTCOMES(PO's)

- 1. **Engineering knowledge :** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems
- 2. **Problem analysis :** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences
- 3. **Design/development of solutions :** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations
- 4. **Conduct investigations of complex problems :** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions
- 5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations
- 6. **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice
- 7. **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development
- 8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice
- 9. **Individual and team work :** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings
- 10. **Communication :** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions
- 11. **Project management and finance :** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage

projects and in multidisciplinary environments

12. **Life-long learning :** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change

PROGRAM SPECIFIC OUTCOMES(PSO's)

- **PSO 1:** The graduates will be able to plan, analyse, design and execute cost effective civil engineering structures without over exploitation of natural resources.
- **PSO 2 :** The graduates will have the ability to take up employment, entrepreneurship, research and development for sustainable civil society.
- **PSO 3:** The graduates will be able to pursue opportunities for personal and professional growth, higher studies and engage in lifelong learning in civil engineering profession.
- **PSO 4:** The graduates will be able to demonstrate professional integrity and an appreciation of ethical environmental, regulatory and issues related to civil engineering projects



6. Course Information

6.1 Course Content

Title of the Course: RESEARCH METHODOLOGY & INTELLECTUAL PROPERTY RIGHTS

Semester: 5 Academic Year: 2023-24

Subject Code: 21RMI56	IA Marks : 50
Hours/week: 3	Total Hours : 25
Exam Hours: 3	Exam Marks : 50
Course Plan Author : Seema B S	Planned Date : 2023-11-25
Approved by : Dr Kiran B M	Approved Date : 2023-11-25

Objectives:

- 1. To Understand the knowledge on basics of research and its types
- 2. To Learn the concept of Literature Review, Technical Reading, Attributions and Citations.
- 3. To learn Ethics in Engineering Research.
- 4. To Discuss the concepts of Intellectual Property Rights in engineering

Course Outcomes (COs):

- 1. To know the meaning of engineering research.
- 2. To know the procedure of Literature Review and Technical Reading
- 3. To know the fundament also of patent laws and drafting procedure
- 4. Understanding the copyright laws and subject matters of copyrights and designs
- 5. Understanding the basic principles of design rights.



6. Course Information

6.1.1 Course Syllabus

Objectives:

Title of the Course: RESEARCH METHODOLOGY & INTELLECTUAL PROPERTY RIGHTS

Subject Code: 21RMI56

Module 1

Introduction:

Meaning of Research, Objectives of Engineering Research, and Motivation in Engineering Research, Types of Engineering Research, Finding and Solving a Worthwhile Problem, Ethics in Engineering Research, Ethics in Engineering Research Practice, Types of Research Misconduct, Ethical Issues Related to Authorship

Module 2

Literature Review and Technical Reading:

New and Existing Knowledge, Analysis and Synthesis of Prior Art Bibliographic Databases, Web of Science, Google and Google Scholar, Effective Search, The Way Forward Introduction to Technical Reading Conceptualizing Research, Critical and Creative Reading, Taking Notes While Reading, Reading Mathematics and Algorithms, Reading a Datasheet

Attributions and Citations:

Giving Credit Wherever Due, Citations, Functions and Attributes, Impact of Title and Keywords on Citations, Knowledge Flow through Citation, Citing Datasets, Styles for Citations, Acknowledgments and Attributions, What Should Be Acknowledged, Acknowledgments in, Books Dissertations, Dedication or Acknowledgments

Module 3

Introduction To Intellectual Property:

Role of IP in the Economic and Cultural Development of the Society, IP Governance, IP as a Global Indicator of Innovation, Origin of IP History of IP in India, Major Amendments in IP Laws and Acts in India.

Patents:

Conditions for Obtaining a Patent Protection, To Patent or Not to Patent an Invention, Rights Associated with Patents, Enforcement of Patent Rights, Inventions Eligible for Patenting, Non Patentable Matters, Patent Infringements, Avoid Public Disclosure of an Invention before Patenting, Process of Patenting, Prior Art Search, Choice of Application to be Filed, Patent Application Forms, Jurisdiction of Filing Patent Application, Publication, Pre grant Opposition, Examination, Grant of a Patent, Validity of Patent Protection, Post grant Opposition, Commercialization of a Patent, Need for a Patent Attorney, Agent, Can a Worldwide Patent be Obtained, Do I Need First to File a Patent in India, Patent Related Forms. Fee Structure, Types of Patent Applications, Commonly Used Terms in Patenting, National Bodies Dealing with Patent Affairs, Utility Models.

Process of Patenting:

Prior Art Search. Choice of Application to be Filed, Patent Application Forms, Jurisdiction of Filing Patent Application, Publication, Pre grant Opposition, Examination, Grant of a Patent, Validity of Patent Protection, Post grant Opposition, Commercialization of a Patent, Need for a Patent Attorney, Agent, Can a Worldwide Patent be Obtained, Do I Need First to File a Patent in India, Patent Related Forms, Fee Structure, Types of Patent Applications, Commonly Used Terms in Patenting, National Bodies Dealing with Patent Affairs, Utility Models.

Module 4

Copyrights and Related Rights:

Classes of Copyrights, Criteria for Copyright, Ownership of Copyright, Copyrights of the Author, Copyright Infringements, Copyright Infringement is a Criminal Offence, Copyright Infringement is a Cognizable Offence, Fair Use Doctrine, Copyrights and Internet, Non Copyright Work, Copyright Registration, Judicial Powers of the Registrar of Copyrights, Fee Structure. Copyright Symbol, Validity of Copyright, Copyright Profile of India, Copyright and the word Publish, Transfer of Copyrights to a Publisher, Copyrights and the Word Adaptation, Copyrights and the Word Indian Work, Joint Authorship, Copyright Society, Copyright Board, Copyright Enforcement Advisory Council CEAC, International Copyright Agreements, Conventions and Treaties, Interesting Copyrights Cases.

Trademarks:

Eligibility Criteria, Who Can Apply for a Trademark, Acts and Laws, Designation of Trademark Symbols, Classification of Trademarks, Registration of a Trademark is Not Compulsory, Validity of Trademark, Types of Trademark Registered in India, Trademark Registry, Process for Trademarks Registration, Prior Art Search, Famous Case Law, Coca Cola Company vs Bisleri International Pvt Ltd.



Module 5

Industrial Designs:

Eligibility Criteria, Acts and Laws to Govern Industrial Designs. Design Rights, Enforcement of Design Rights, Non Protectable Industrial Designs India, Protection Term, Procedure for Registration of Industrial Designs, Prior Art Search, Application for Registration, Duration of the Registration of a Design, Importance of Design Registration, Cancellation of the Registered Design, Application Forms, Classification of Industrial Designs, Designs Registration Trend in India, International Treaties, Famous Case Law, Apple Inc vs Samsung Electronics Co.

Geographical Indications:

Acts, Laws and Rules Pertaining to GI, Ownership of GI, Rights Granted to the Holders, Registered GI in India, Identification of Registered GI, Classes of GI Non Registerable GI, Protection of GI, Collective or Certification Marks, Enforcement of GI Rights, Procedure for GI Registration Documents Required for GI Registration, GI Ecosystem in India

Case Studies on Patents:

Case study of Curcuma Turmeric Patent, Case study of Neem Patent, Case study of Basmati patent, IP Organizations In India, Schemes and Programmes

6. Course Information

6.1.2 Text Books and Reference Books

TEXT BOOKS:

- 1 . Dipankar Deb, Rajeeb Dey, Valentina E Balas Engineering Research Methodology, ISSN 1868 4394 ISSN 1868 4408 electronic, Intelligent Systems Reference Library, ISBN 978 981 13 2946 3 ISBN 978 981 13 2947 0 eBook, https://doi.org/10.1007/978-981-13-2947-0
- 2. Intellectual Property A Primer for Academia by Prof. Rupinder Tewari Ms. Mamta Bhardwa
- 3. Reference Books
- 4. David V Thiel Research Methods for Engineers Cambridge University Press, 978 1 107 03488 4
- 5 . Intellectual Property Rights by NK Acharya Asia Law House 6th Edition, ISBN 978 93 81849 30 9



6. Course Information

6.2

Semester: 5 Section: A Course: RESEARCH METHODOLOGY &

INTELLECTUAL PROPERTY RIGHTS

Period	Plan/ Execu tion	Date	Торіс	Source material to be referred	Course Outcome	Bloom's Level	Execution Methods	Learning Validation Method
Module	1							
1	P	28 Nov 2023	Meaning of Research, Objectives of Engineering Research	-	CO 1	Understand	Lecture	
1	Е	28 Nov 2023	Meaning of Research, Objectives of Engineering Research	Text 1	CO 1	Understand	Lecture	
2	P	29 Nov 2023	and Motivation in Engineering Research, Types of Engineering Research				Lecture	
2	Е	29 Nov 2023	and Motivation in Engineering Research, Types of Engineering Research	Text 1	CO 1	Remember	Lecture	
3	P	5 Dec 2023	Finding and Solving a Worthwhile Problem, Ethics in Engineering Research				Lecture	
3	Е	5 Dec 2023	Finding and Solving a Worthwhile Problem, Ethics in Engineering Research	Text 1	CO 1	Understand	Lecture	
4	P	6 Dec 2023	Ethics in Engineering Research Practice, Types of Research Misconduct				Lecture	
4	Е	6 Dec 2023	Ethics in Engineering Research Practice, Types of Research Misconduct	Text 1	CO 1	Understand	Lecture	
5	P	12 Dec 2023	Ethical Issues Related to Authorship				Lecture	
5	Е	12 Dec 2023	Ethical Issues Related to Authorship	Text 1	CO 1	Understand	Lecture	
Module	2							
6	P	13 Dec 2023	New and Existing Knowledge, Analysis and Synthesis of Prior Art Bibliographic Databases, Web of Science, Google and Google Scholar				Lecture	



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Period	Plan/ Execu tion	Date	Торіс	Source material to be referred	Course Outcome	Bloom's Level	Execution Methods	Learning Validation Method
6	Е	13 Dec 2023	New and Existing Knowledge, Analysis and Synthesis of Prior Art Bibliographic Databases, Web of Science, Google and Google Scholar	-	CO 1, CO 2	Understand	Lecture	
7	P	19 Dec 2023	Effective Search, The Way Forward Introduction to Technical Reading Conceptualizing Research, Critical and Creative Reading				Lecture	
7	E	19 Dec 2023	Effective Search, The Way Forward Introduction to Technical Reading Conceptualizing Research, Critical and Creative Reading	-	CO 2	Understand	Lecture	
8	P	20 Dec 2023	Taking Notes While Reading, Reading Mathematics and Algorithms, Reading a Datasheet				Lecture	
8	E	20 Dec 2023	Taking Notes While Reading, Reading Mathematics and Algorithms, Reading a Datasheet	-	CO 2	Understand	Lecture	
9	P	26 Dec 2023	Giving Credit Wherever Due, Citations, Functions and Attributes, Impact of Title and Keywords on Citations, Knowledge Flow through Citation, Citing Datasets				Lecture	
9	E	26 Dec 2023	Giving Credit Wherever Due, Citations, Functions and Attributes, Impact of Title and Keywords on Citations, Knowledge Flow through Citation, Citing Datasets	-	CO 2	Understand	Lecture	
10	P	27 Dec 2023	Styles for Citations, Acknowledgments and Attributions, What Should Be Acknowledged, Acknowledgments in, Books Dissertations, Dedication or Acknowledgments				Lecture	



Period	Plan/ Execu tion	Date	Торіс	Source material to be referred	Course Outcome	Bloom's Level	Execution Methods	Learning Validation Method
10	Е	27 Dec 2023	Styles for Citations, Acknowledgments and Attributions, What Should Be Acknowledged, Acknowledgments in, Books Dissertations, Dedication or Acknowledgments	-	CO 2	Apply	Lecture	
Module	3							
11	P	2 Jan 2024	Role of IP in the Economic and Cultural Development of the Society, IP Governance				Lecture	
11	Е	2 Jan 2024	Role of IP in the Economic and Cultural Development of the Society, IP Governance	-	CO 3	Understand	Lecture	
12	P	3 Jan 2024	IP as a Global Indicator of Innovation, Origin of IP History of IP in India				Lecture	
12	Е	3 Jan 2024	IP as a Global Indicator of Innovation, Origin of IP History of IP in India	-	CO 3	Understand	Lecture	
13	Р	9 Jan 2024	Major Amendments in IP Laws and Acts in India.				Lecture	
13	Е	9 Jan 2024	Major Amendments in IP Laws and Acts in India.	-	CO 3	Apply	Lecture	



Period	Plan/ Execu tion	Date	Торіс	Source material to be referred	Course Outcome	Bloom's Level	Execution Methods	Learning Validation Method
14	P	10 Jan 2024	Conditions for Obtaining a Patent Protection, To Patent or Not to Patent an Invention, Rights Associated with Patents, Enforcement of Patent Rights, Inventions Eligible for Patenting, Non Patentable Matters, Patent Infringements, Avoid Public Disclosure of an Invention before Patenting, Process of Patenting, Prior Art Search, Choice of Application to be Filed, Patent Application Forms, Jurisdiction of Filing Patent Application, Publication, Pre grant Opposition, Examination, Grant of a Patent, Validity of Patent Protection, Post grant Opposition, Commercialization of a Patent, Need for a Patent Attorney, Agent, Can a Worldwide Patent be Obtained, Do I Need First to File a Patent in India, Patent Related Forms. Fee Structure, Types of Patent Applications, Commonly Used Terms in Patenting, National Bodies Dealing with Patent Affairs, Utility				Lecture	



Period	Plan/ Execu tion	Date	Торіс	Source material to be referred	Course Outcome	Bloom's Level	Execution Methods	Learning Validation Method
14	E	10 Jan 2024	Conditions for Obtaining a Patent Protection, To Patent or Not to Patent an Invention, Rights Associated with Patents, Enforcement of Patent Rights, Inventions Eligible for Patenting, Non Patentable Matters, Patent Infringements, Avoid Public Disclosure of an Invention before Patenting, Process of Patenting, Prior Art Search, Choice of Application to be Filed, Patent Application Forms, Jurisdiction of Filing Patent Application, Publication, Pre grant Opposition, Examination, Grant of a Patent, Validity of Patent Protection, Post grant Opposition, Commercialization of a Patent, Need for a Patent Attorney, Agent, Can a Worldwide Patent be Obtained, Do I Need First to File a Patent in India, Patent Related Forms. Fee Structure, Types of Patent Applications, Commonly Used Terms in Patenting, National Bodies Dealing with Patent Affairs, Utility Models.		CO 3	Understand	Lecture	



Period	Plan/ Execu tion	Date	Торіс	Source material to be referred	Course Outcome	Bloom's Level	Execution Methods	Learning Validation Method
15	P	16 Jan 2024	Prior Art Search. Choice of Application to be Filed, Patent Application Forms, Jurisdiction of Filing Patent Application, Publication, Pre grant Opposition, Examination, Grant of a Patent, Validity of Patent Protection, Post grant Opposition, Commercialization of a Patent, Need for a Patent Attorney, Agent, Can a Worldwide Patent be Obtained, Do I Need First to File a Patent in India, Patent Related Forms, Fee Structure, Types of Patent Applications, Commonly Used Terms in Patenting, National Bodies Dealing with Patent Affairs, Utility Models.				Lecture	
15	E	16 Jan 2024	Prior Art Search. Choice of Application to be Filed, Patent Application Forms, Jurisdiction of Filing Patent Application, Publication, Pre grant Opposition, Examination, Grant of a Patent, Validity of Patent Protection, Post grant Opposition, Commercialization of a Patent, Need for a Patent Attorney, Agent, Can a Worldwide Patent be Obtained, Do I Need First to File a Patent in India, Patent Related Forms, Fee Structure, Types of Patent Applications, Commonly Used Terms in Patenting, National Bodies Dealing with Patent Affairs, Utility Models.		CO 3	Understand	Lecture	



Period	Plan/ Execu tion	Date	Торіс	Source material to be referred	Course Outcome	Bloom's Level	Execution Methods	Learning Validation Method
Module	4							
16	P	17 Jan 2024	Classes of Copyrights, Criteria for Copyright, Ownership of Copyright, Copyrights of the Author, Copyright Infringements, Copyright Infringement is a Criminal Offence, Copyright Infringement is a Cognizable Offence, Fair Use Doctrine, Copyrights and Internet				Lecture	
16	E	17 Jan 2024	Classes of Copyrights, Criteria for Copyright, Ownership of Copyright, Copyrights of the Author, Copyright Infringements, Copyright Infringement is a Criminal Offence, Copyright Infringement is a Cognizable Offence, Fair Use Doctrine, Copyrights and Internet	-	CO 3	Understand	Lecture	
17	P	23 Jan 2024	Non Copyright Work, Copyright Registration, Judicial Powers of the Registrar of Copyrights, Fee Structure. Copyright Symbol, Validity of Copyright, Copyright Profile of India, Copyright and the word Publish, Transfer of Copyrights to a Publisher, Copyrights and the Word Adaptation				Lecture	
17	E	23 Jan 2024	Non Copyright Work, Copyright Registration, Judicial Powers of the Registrar of Copyrights, Fee Structure. Copyright Symbol, Validity of Copyright, Copyright Profile of India, Copyright and the word Publish, Transfer of Copyrights to a Publisher, Copyrights and the Word Adaptation	_	CO 3	Understand	Lecture	



Period	Plan/ Execu tion	Date	Торіс	Source material to be referred	Course Outcome	Bloom's Level	Execution Methods	Learning Validation Method
18	P	24 Jan 2024	Copyrights and the Word Indian Work, Joint Authorship, Copyright Society, Copyright Board, Copyright Enforcement Advisory Council CEAC, International Copyright Agreements, Conventions and Treaties, Interesting Copyrights Cases.				Lecture	
18	E	24 Jan 2024	Copyrights and the Word Indian Work, Joint Authorship, Copyright Society, Copyright Board, Copyright Enforcement Advisory Council CEAC, International Copyright Agreements, Conventions and Treaties, Interesting Copyrights Cases.		CO 3	Understand	Lecture	
19	P	30 Jan 2024	Eligibility Criteria, Who Can Apply for a Trademark, Acts and Laws, Designation of Trademark Symbols, Classification of Trademarks, Registration of a Trademark is Not Compulsory, Validity of Trademark				Lecture	
19	E	30 Jan 2024	Eligibility Criteria, Who Can Apply for a Trademark, Acts and Laws, Designation of Trademark Symbols, Classification of Trademarks, Registration of a Trademark is Not Compulsory, Validity of Trademark		CO 4	Understand	Lecture	
20	P	31 Jan 2024	Types of Trademark Registered in India, Trademark Registry, Process for Trademarks Registration, Prior Art Search, Famous Case Law, Coca Cola Company vs Bisleri International Pvt Ltd.				Lecture	



Period	Plan/ Execu tion	Date	Торіс	Source material to be referred	Course Outcome	Bloom's Level	Execution Methods	Learning Validation Method
20	Е	31 Jan 2024	Types of Trademark Registered in India, Trademark Registry, Process for Trademarks Registration, Prior Art Search, Famous Case Law, Coca Cola Company vs Bisleri International Pvt Ltd.	-	CO 4	Remember	Lecture	
Module	5							
21	P	6 Feb 2024	Eligibility Criteria, Acts and Laws to Govern Industrial Designs. Design Rights, Enforcement of Design Rights, Non Protectable Industrial Designs India, Protection Term, Procedure for Registration of Industrial Designs				Lecture	
21	E	6 Feb 2024	Eligibility Criteria, Acts and Laws to Govern Industrial Designs. Design Rights, Enforcement of Design Rights, Non Protectable Industrial Designs India, Protection Term, Procedure for Registration of Industrial Designs		CO 5	Remember	Lecture	
22	P		Prior Art Search, Application for Registration, Duration of the Registration of a Design, Importance of Design Registration, Cancellation of the Registered Design, Application Forms				Lecture	
22	E	7 Feb 2024	Prior Art Search, Application for Registration, Duration of the Registration of a Design, Importance of Design Registration, Cancellation of the Registered Design, Application Forms	-	CO 5	Understand	Lecture	



Period	Plan/ Execu tion	Date	Торіс	Source material to be referred	Course Outcome	Bloom's Level	Execution Methods	Learning Validation Method
23	P	13 Feb 2024	Classification of Industrial Designs, Designs Registration Trend in India, International Treaties, Famous Case Law, Apple Inc vs Samsung Electronics Co.				Lecture	
23	Е	13 Feb 2024	Classification of Industrial Designs, Designs Registration Trend in India, International Treaties, Famous Case Law, Apple Inc vs Samsung Electronics Co.	-	CO 5	Understand	Lecture	
24	P	14 Feb 2024	Acts, Laws and Rules Pertaining to GI, Ownership of GI, Rights Granted to the Holders, Registered GI in India, Identification of Registered GI, Classes of GI Non Registerable GI, Protection of GI, Collective or Certification Marks, Enforcement of GI Rights, Procedure for GI Registration Documents Required for GI Registration, GI Ecosystem in India				Lecture	
24	E	14 Feb 2024	Acts, Laws and Rules Pertaining to GI, Ownership of GI, Rights Granted to the Holders, Registered GI in India, Identification of Registered GI, Classes of GI Non Registerable GI, Protection of GI, Collective or Certification Marks, Enforcement of GI Rights, Procedure for GI Registration Documents Required for GI Registration, GI Ecosystem in India		CO 5	Understand	Lecture	
25	P	20 Feb 2024	Case study of Curcuma Turmeric Patent, Case study of Neem Patent, Case study of Basmati patent, IP Organizations In India, Schemes and Programmes				Lecture	



Period	Plan/ Execu tion	Date	Торіс	Source material to be referred	Course Outcome	Bloom's Level	Execution Methods	Learning Validation Method
25	E	20 Feb 2024	Case study of Curcuma Turmeric Patent, Case study of Neem Patent, Case study of Basmati patent, IP Organizations In India, Schemes and Programmes	-	CO 5	Understand	Lecture	



6. Course Information

6.2.1 Compliance Report

Semester: 5 Section: A Course: RESEARCH METHODOLOGY &

INTELLECTUAL PROPERTY RIGHTS

Module No.	# of Classes Planned(till date)	Planned Effort(till date)	# of Classes Executed(till date)	Actual Efforts(till date)	% Coverage
1	5	5hrs 0min	5	5hrs 0min	100.0
2	5	5hrs 0min	5	5hrs 0min	100.0
3	5	5hrs 0min	5	5hrs 0min	100.0
4	5	5hrs 0min	5	5hrs 0min	100.0
5	5	5hrs 0min	5	5hrs 0min	100.0



Department of Civil Engineering (CV)

6. Course Information

6.2.2 CO PO Mapping

Slight (Low) = 1,

Moderate (Medium) = 2,

Substantial (High) = 3.

CO/ PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	3	1	2		3	1	3	2	3	1	3
CO 2	3		2	2		3	2	3	2	3		3
CO 3	3	3	3	3	2	2		3	2	3	1	3
CO 4	3	3	3	3	2	2	1	3	3	3		3
CO 5	3	1	3	3		2	2	3	2	3		3



Department of Civil Engineering (CV)

6. Course Information

6.2.3 CO-PSO Mapping

Slight (Low) = 1,

Moderate (Medium) = 2,

Substantial (High) = 3.

CO/PSO	PSO 1	PSO 2	PSO 3	PSO 4
CO 1				
CO 2				
CO 3				
CO 4				
CO 5				

6. Course Information

6.3 Other Assessment

ASSIGNMENT: 1

Semester:5-CBCS 2021

Subject: RESEARCH METHODOLOGY & INTELLECTUAL PROPERTY RIGHTS

(21RMI56)

Faculty: Seema B S Max Marks: 30

Answer All Questions Q.No Q.No 1 1. What is the meaning of Research and explain motivation. 2. Explain the types of Engineering Research 3. List the types of research misconduct and explain it.

Signature of HOD

Dr. KIRAN B. M.

Professor & Head
Department of Civil Engineering
Adichunchanagiri Institute of Technology
CHIKKAMAGALURU-577102

4. Write a note on Ethical issues related to authorship.



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Evaluation USN Name Present (P) / IA Total Absent (Ab) Abhijna V P 30 4AI21CV001 P 30 4AI21CV003 Amulya N M 4AI21CV005 Basavaraj Irappa Bevur P 26 Bhuvanesh M P 26 4AI21CV006 Chandan C M P 29 4AI21CV007 Darshan D K P 4AI21CV009 29 P 9 4AI21CV010 Dharshan M J Dileep R 0 4AI21CV011 Ab P 4AI21CV012 Gagan M 28 P Kavya M 30 4AI21CV013 P 4AI21CV014 Mallikarjuna K M 26 4AI21CV015 Mohammed Furghan P 27 P 30 4AI21CV016 Moulya C K P 4AI21CV018 Nikhil T R 30 P Nishchitha N 30 4AI21CV020 4AI21CV021 Nithin A G P 15 Parinita G S P 4AI21CV022 28 P Pavan K S 15 4AI21CV023 Prajwal B M P 26 4AI21CV025 P 4AI21CV026 Priyanka D S 27 4AI21CV027 Rakshitha M S P 28 Samskruthi K P P 29 4AI21CV028 Shashank D P 4AI21CV030 27 4AI21CV031 Suma Bai R P 29



4AI21CV032	Vivek R	P	14
4AI22CV400	Abhinandan M M	P	27



USN	Name	Present (P) / Absent (Ab)	IA Total
4AI22CV401	Abhishek B A	P	26
4AI22CV402	Abhishek K H	P	28
4AI22CV403	Bhanuprakash A	P	28
4AI22CV404	Chandan M	P	28
4AI22CV406	Hitesha	P	30
4AI22CV407	Ismaiel Zabiulla	P	30
4AI22CV408	Kallesh S S	P	26
4AI22CV409	Mohammad Yunus	P	25
4AI22CV410	Mohammed Arsalan	P	11
4AI22CV411	Mohammad Ashraf	P	24
4AI22CV412	Nihaal Ahamed F	P	15
4AI22CV413	Punith Kumar Mk	P	25
4AI22CV414	Ranjith M M	P	15
4AI22CV415	Sanjaya D K	P	25
4AI22CV416	Tejaswini K B	P	30
4AI22CV417	Vasudeva Yogendra C R	P	29
4AI22CV418	Vineeth Nagarjun Prabhu B M	P	30
4AI22CV419	Yashvanth M R	P	29
4AI22CV420	Inchara J	P	30
	Abhishek K H	P	28
	Bhanuprakash A	Р	28

2 Scheme of Evaluation

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKKAMAGALURU <u>DEPARTMENT OF CIVIL ENGINEERING</u>

II-Internal Assessment RM&IPR – 21RMI56

SCHEME OF EVALUATION

Date: 14-02-2024

ANWER ANY 4 QUESTIONS	NWFR	ANY	401	IF STI	ONS
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SL.NO.	PARTICULARS	ALLOTED MARKS
1	Explanation of acknowledgements	5
2.	Definition of citation, purpose, types	1 1 3
	IPR definition Patent definition Types of IPR	1 1 3
4	Conditions for patent processing Non-patentable	2 3
5	Flow chart Types of application	3 2

6. Course Information

6.4 Internal Assessment

Internal: 1

Semester: 5-CBCS 2021 Date: 06/01/2024

Subject: RESEARCH METHODOLOGY & INTELLECTUAL PROPERTY RIGHTS

Time: 09:30 - 10:30

(21RMI56)

Faculty: Seema B S Max Marks: 20

Signature of DEPT ADMIN

Signature of HOD

Instructions to Students:

answer any 4

	Answer Any 4 Questions				
Q.No		Max Marks	CO	РО	BT/ CL
1	What is the meaning of Research and explain motivation.	5	1	1	L1
2	Explain the types of Engineering Research	5	1	1	L2



Department of Civil Engineering (CV)

3	List the types of research misconduct and explain it.	5	1	1	L2
4	Write a note on Ethical issues related to authorship.	5	1	1	L2
5	Explain objectives of Engineering Research	5	1	1	L2

Signature of DEPT_ADMIN

Signature of HOD

		Ev	aluat	ion					
USN	Name	Present (P) / Absent	01	O2	О3	04	O5	IA Total	BT/CL
4AI21CV001	Abhijna V	P	5	5	5	5	0	20	Understand
4AI21CV003	Amulya N M	P	5	5	5	5	3	20	Understand
4AI21CV005	Basavaraj Irappa	P	5	4	0	0	0	9	Understand
4AI21CV006	Bhuvanesh M	P	5	5	5	1	0	16	Understand
4AI21CV007	Chandan C M	P	5	5	3	5	0	18	Understand
4AI21CV009	Darshan D K	P	5	5	5	5	0	20	Understand
4AI21CV010	Dharshan M I	P	2	5	5	0	0	12	Understand
4AI21CV011	Dileep R	Ab	0	0	0	0	0	0	No Level
4AI21CV012	Gagan M	P	5	0	5	0	5	15	Understand
4AI21CV013	Kavya M	P	5	5	5	5	3	20	Understand
4AI21CV014	Mallikarjuna к м	P	3	4	1	0	0	8	Understand



4AI21CV015	Mohammed Furqhan Moulya	P							
	Moulva		5	5	5	0	0	15	Understand
4AI21CV016	C K	P	5	5	5	5	0	20	Understand
4AI21CV018	Nikhil T R	P	5	5	5	3	5	20	Understand
4AI21CV020	Nishchitha N	P	5	5	5	5	0	20	Understand
4AI21CV021	Nithin A G	P	1	2	0	0	1	4	No Level
4AI21CV022	Parinita G S	P	5	5	0	0	5	15	Understand
4AI21CV023	Pavan K S	P	1	0	0	0	0	1	No Level
4AI21CV025	Prajwal B M	P	5	5	0	0	0	10	Understand
4AI21CV026	Priyanka D S	P	2	3	0	1	5	11	Understand
4AI21CV027	Rakshitha M S	P	5	5	5	0	0	15	Understand
4AI21CV028	Samskruthi K P	P	5	4	5	5	0	19	Understand
4AI21CV030	Shashank D	P	1	5	0	1	5	12	Understand
4AI21CV031	Suma Bai R	P	5	5	0	3	5	18	Understand
4AI21CV032	Vivek R	P	2	3	0	0	0	5	Understand
4AI22CV400	Abhinandan M M	P	3	0	0	3	5	11	Understand
4AI22CV401	Abhishek B A	P	5	3	3	0	5	16	Understand
4AI22CV402	Abhishek K H	P	5	5	2	0	5	17	Understand
4AI22CV403	Bhanuprakash A	P	3	5	3	0	4	15	Understand
4AI22CV404	Chandan M	P	5	5	3	0	5	18	Understand
4AI22CV406	Hitesha	P	5	4	5	5	0	19	Understand
4AI22CV407	Ismaiel Zabiulla	P	5	5	5	4	0	19	Understand
4AI22CV408	Kallesh S S	P	5	3	1	0	5	14	Understand
4AI22CV409	Mohammad Yunus	P	2	3	3	0	0	8	Understand
4AI22CV410	Mohammed Arsalan	P	2	4	0	1	0	7	Understand



4AI22CV411	Mohammad Ashraf	P	1	5	0	1	1	8	Understand



USN	Name	Present (P) / Absent (Ab)	Q1	Q2	Q3	Q4	Q5	IA Total	BT/CL
4AI22CV412	Nihaal Ahamed F	P	2	0	0	0	0	2	No Level
4AI22CV413	Punith Kumar Mk	P	5	4	3	2	0	14	Understand
4AI22CV414	Ranjith M M	P	0	2	1	0	1	4	No Level
4AI22CV415	Sanjaya D K	P	5	1	5	0	5	16	Understand
4AI22CV416	Tejaswini K B	P	5	5	5	0	5	20	Understand
4AI22CV417	Vasudeva Yogendra C R	P	5	5	5	0	5	20	Understand
4AI22CV418	Vineeth Nagarjun Prabhu B M	Р	5	5	5	5	0	20	Understand
4AI22CV419	Yashvanth M R	P	5	5	5	5	0	20	Understand
4AI22CV420	Inchara J	P	5	5	5	5	0	20	Understand
2022BECV129	Abhishek K H	P	5	5	5	2	0	17	Understand
2022BECV130	Bhanuprakash.a	P	5	5	5	0	0	15	Understand

2 Scheme of Evaluation

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKKAMAGALURU DEPARTMENT OF CIVIL ENGINEERING

I-Internal Assessment RM&IPR – 21RMI56

SCHEME OF EVALUATION

Date: 06-01-2024

ANWER	ANY	501	ISTI	ONS
AINVVLI				

SL.NO.	PARTICULARS	ALLOTED MARKS
	Meaning of research Motivation of research	2.5 2.5
2.	Explain types of engineering research	5
3	Types of research misconduct explanation	2.5 2.5
4	Ethical issues related to authorship explanation	5
5	Objectives of research	5

Internal: 2

Semester: 5-CBCS 2021 Date: 14/02/2024

Subject: RESEARCH METHODOLOGY & INTELLECTUAL PROPERTY RIGHTS

Time: 09:30 - 10:30

(21RMI56)

Faculty: Seema B S Max Marks: 20

Signature of DEPT_ADMIN

Signature of HOD

Instructions to Students:

answer all the questions

	Answer Any 4 Questions				
Q.No		Max Marks	CO	РО	BT/
1	Briefly explain about the 'Acknowledgements"	5	2	2	L2
2	What is citation? write the purpose of citation and mention the types of citation	5	2	2	L2



Department of Civil Engineering (CV)

3	What is Intellectual Property Rights (IPR)? mention the types of IPR and also define Patent.	5	3	3	L1
4	What are the condtion for obtaining a patent protection and also write the non-patentable matters.	5	3	3	L2
5	Write the flow chart of patent processing, and also mention the types of application	5	3	3	L3

Signature of DEPT_ADMIN

Professor & Head B.E.,M.Tech.,Ph.D Department of Civil Engineering Adichunchanagiri Institute of Technology CHIKKAMAGALURU-577102

Signature of HOD

USN	Name	Present (P) / Absent (Ab)	Q1	Q2	Q3	Q4	Q5	IA Total	BT/CL
AI21CV001	Abhijna V	P	5	5	4	4	5	19	Apply
AI21CV003	Amulya N M	P	5	5	0	5	5	20	Apply
AI21CV005	Basavaraj Irappa Bevur	P	5	5	4	0	3	17	Apply
AI21CV006	Bhuvanesh M	P	0	3	0	0	4	7	Apply



4AI21CV007	Chandan C M	P	0	5	4	4	5	18	Apply	



USN	Name	Present (P) / Absent (Ab)	Q1	Q2	Q3	Q4	Q5	IA Total	BT/CL
4AI21CV009	Darshan D K	P	5	5	0	1	5	16	Apply
4AI21CV010	Dharshan M J	P	2	1	0	1	5	9	Apply
4AI21CV011	Dileep R	Ab	0	0	0	0	0	0	No Level
4AI21CV012	Gagan M	P	5	0	5	1	5	16	Apply
4AI21CV013	Kavya M	P	5	5	0	4	4	18	Apply
4AI21CV014	Mallikarjuna K M	P	5	0	0	2	5	12	Apply
4AI21CV015	Mohammed Furqhan	P	5	0	5	5	0	15	Understand
4AI21CV016	Moulya C K	P	5	5	0	5	5	20	Apply
4AI21CV018	Nikhil T R	P	5	5	5	5	5	20	Apply
4AI21CV020	Nishchitha N	P	5	5	0	5	5	20	Apply
4AI21CV021	Nithin A G	P	4	2	1	0	0	7	Understand
4AI21CV022	Parinita G S	P	0	0	5	0	5	10	Apply
4AI21CV023	Pavan K S	P	1	0	1	0	2	4	No Level
4AI21CV025	Prajwal B M	P	5	5	0	3	4	17	Apply
4AI21CV026	Priyanka D S	P	5	1	0	0	3	9	Apply
4AI21CV027	Rakshitha M S	P	5	0	5	3	0	13	Understand
4AI21CV028	Samskruthi K P	P	0	5	2	1	4	12	Apply
4AI21CV030	Shashank D	P	0	3	0	0	5	8	Apply
4AI21CV031	Suma Bai R	P	2	2	0	4	5	13	Apply
4AI21CV032	Vivek R	P	4	0	0	2	0	6	Understand
4AI22CV400	Abhinandan M M	P	0	0	3	4	4	11	Apply
4AI22CV401	Abhishek B A	P	1	0	2	0	5	8	Apply
4AI22CV402	Abhishek K H	P	4	0	0	0	5	9	Apply



4AI22CV403	Bhanuprakash A	P	5	0	2	0	3	10	Apply	
4AI22CV404	Chandan M	P	0	0	5	4	5	14	Apply	



USN	Name	Present (P) / Absent (Ab)	Q1	Q2	Q3	Q4	Q5	IA Total	BT/CL
4AI22CV406	Hitesha	P	5	5	0	5	5	20	Apply
4AI22CV407	Ismaiel Zabiulla	P	5	5	5	0	5	20	Apply
4AI22CV408	Kallesh S S	P	0	1	5	2	0	8	Remember
4AI22CV409	Mohammad Yunus	P	2	1	3	0	5	11	Apply
4AI22CV410	Mohammed Arsalan	P	0	0	3	0	5	8	Apply
4AI22CV411	Mohammad Ashraf	P	4	0	1	3	5	13	Apply
4AI22CV412	Nihaal Ahamed F	Р	1	0	0	1	3	5	Apply
4AI22CV413	Punith Kumar Mk	P	3	0	1	2	0	6	Understand
4AI22CV414	Ranjith M M	P	1	0	0	0	4	5	Apply
4AI22CV415	Sanjaya D K	P	2	3	0	0	3	8	Apply
4AI22CV416	Tejaswini K B	P	5	5	0	5	3	18	Apply
4AI22CV417	Vasudeva Yogendra C R	Р	1	5	0	5	5	16	Apply
4AI22CV418	Vineeth Nagarjun Prabhu B M	P	5	5	5	5	0	20	Understand
4AI22CV419	Yashvanth M R	P	4	5	5	5	0	19	Understand
4AI22CV420	Inchara J	P	5	5	0	5	5	20	Apply
2022BECV129	Abhishek K H	P	5	4	0	0	0	9	Understand
2022BECV130	Bhanuprakash.a	P	5	5	0	0	0	10	Understand

2 Scheme of Evaluation

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKKAMAGALURU DEPARTMENT OF CIVIL ENGINEERING

II-Internal Assessment RM&IPR – 21RMI56

SCHEME OF EVALUATION

Date: 14-02-2024

ANWER	ANY	4 OUESTIONS

SL.NO.	PARTICULARS	ALLOTED MARKS
1	Explanation of acknowledgements	5
2.	Definition of citation,	1
	purpose,	1
	types	3
3	IPR definition	1
	Patent definition	1
1	Types of IPR	3
4	Conditions for patent processing	2
	Non-patentable	3
	Flow chart	3
	Types of application	2

Internal: 3

Semester: 5-CBCS 2021 Date: 13/03/2024

Subject: RESEARCH METHODOLOGY & INTELLECTUAL PROPERTY RIGHTS

Time: 09:30 - 10:30

(21RMI56)

Faculty : Seema B S Max Marks: 20

Signature of DEPT_ADMIN

Signature of HOD

Instructions to Students:

answer any 4

	Answer Any 4 Questions				
Q.No		Max Marks	CO	PO	BT/ CL
1	Explain the criteria that an original work must to qualify for copyright protection.	5	4	4, 5	L2
2	Explain the significance of copyright registration and its impact on the protection of creative works	5	4	4, 5	L2



Department of Civil Engineering (CV)

3	Explain the classification system for trademarks and its role in categorizing different types of marks.	5	4	4, 5	L1
4	Explain the role and functions of the trademarks registry in India	5	4	4, 5	L2
5	Discuss the significant details and implication of the famous case law between apple Inc. and Samsung electronics Co. in the context of industrial design rights	5	5	6, 7	L1
6	Explain the mechanisms for the protection and enforcement of rights related to geographical indications.	5	5	5, 6	L2

Signature of DEPT_ADMIN

Signature of HOD

	Evaluation												
USN	Name	Present (P) / Absent (Ab)	Q1	Q2	Q3	Q4	Q5	Q6	IA Total	BT/CL			
4AI21CV001	Abhijna V	P	5	5	5	5	0	0	20	Understand			
4AI21CV003	Amulya N M	P	5	5	5	5	0	0	20	Understand			
4AI21CV005	Basavaraj Irappa Bevur	P	5	5	0	5	5	0	20	Understand			
4AI21CV006	Bhuvanesh M	P	5	5	5	3	0	0	18	Understand			
4AI21CV007	Chandan	P	5	5	5	0	0	5	20	Understand			



	СМ									
4AI21CV009	Darshan D K	P	5	0	5	5	5	0	20	Understand



USN	Name	Present (P) / Absent (Ab)	Q1	Q2	Q3	Q4	Q5	Q6	IA Total	BT/CL
4AI21CV010	Dharshan M J	P	5	5	5	0	2	0	17	Understand
4AI21CV011	Dileep R	Ab	0	0	0	0	0	0	0	No Level
4AI21CV012	Gagan M	P	0	5	5	0	5	5	20	Understand
4AI21CV013	Kavya M	P	5	5	0	0	5	5	20	Understand
4AI21CV014	Mallikarjuna K M	P	5	5	0	5	0	5	20	Understand
4AI21CV015	Mohammed Furqhan	P	5	0	0	5	5	5	20	Understand
4AI21CV016	Moulya C K	P	5	0	0	5	5	5	20	Understand
4AI21CV018	Nikhil T R	P	5	0	5	0	5	5	20	Understand
4AI21CV020	Nishchitha N	P	5	0	5	5	5	0	20	Understand
4AI21CV021	Nithin A G	P	5	0	3	0	0	0	8	Understand
4AI21CV022	Parinita G S	P	5	0	5	5	5	0	20	Understand
4AI21CV023	Pavan K S	P	5	0	5	0	2	0	12	Understand
4AI21CV025	Prajwal B M	P	5	0	0	5	5	0	15	Understand
4AI21CV026	Priyanka D S	P	5	0	5	0	5	5	20	Understand
4AI21CV027	Rakshitha M S	P	5	5	0	5	4	0	19	Understand
4AI21CV028	Samskruthi K P	P	5	0	5	0	5	5	20	Understand
4AI21CV030	Shashank D	P	5	5	0	5	5	0	20	Understand
4AI21CV031	Suma Bai R	P	5	0	5	0	5	5	20	Understand
4AI21CV032	Vivek R	P	5	0	0	5	0	0	10	Understand
4AI22CV400	Abhinandan M M	P	5	0	0	5	0	5	15	Understand
4AI22CV401	Abhishek B A	P	5	0	5	0	5	5	20	Understand
4AI22CV402	Abhishek K H	P	5	0	5	0	5	2	17	Understand
4AI22CV403	Bhanuprakash A	P	5	0	5	5	5	0	20	Understand



4AI22CV404	Chandan M	P	5	0	5	4	0	0	14	Understand
4AI22CV406	Hitesha	P	5	0	5	0	5	5	20	Understand



USN	Name	Present (P) / Absent (Ab)	Q1	Q2	Q3	Q4	Q5	Q6	IA Total	BT/CL
4AI22CV407	Ismaiel Zabiulla	P	5	0	5	0	5	5	20	Understand
4AI22CV408	Kallesh S S	P	5	0	5	0	5	5	20	Understand
4AI22CV409	Mohammad Yunus	P	5	5	0	5	3	0	18	Understand
4AI22CV410	Mohammed Arsalan	P	5	5	4	0	0	0	14	Understand
4AI22CV411	Mohammad Ashraf	P	5	5	0	5	4	0	19	Understand
4AI22CV412	Nihaal Ahamed F	Р	5	5	2	0	0	0	12	Understand
4AI22CV413	Punith Kumar Mk	P	5	0	0	5	5	4	19	Understand
4AI22CV414	Ranjith M M	P	5	5	0	0	0	0	10	Understand
4AI22CV415	Sanjaya D K	P	5	0	5	0	0	0	10	Understand
4AI22CV416	Tejaswini K B	P	5	0	0	5	5	5	20	Understand
4AI22CV417	Vasudeva Yogendra C R	Р	5	5	5	0	3	0	18	Understand
4AI22CV418	Vineeth Nagarjun Prabhu B M	P	5	5	5	5	0	0	20	Understand
4AI22CV419	Yashvanth M R	P	5	5	5	5	0	0	20	Understand
4AI22CV420	Inchara J	P	5	5	5	5	0	0	20	Understand
2022BECV129	Abhishek K H	P	5	5	5	2	0	0	17	Understand
2022BECV130	Bhanuprakash.a	P	5	5	5	5	0	0	20	Understand



2 Scheme of Evaluation

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKKAMAGALURU DEPARTMENT OF CIVIL ENGINEERING

III-Internal Assessment RM&IPR – 21RMI56

SCHEME OF EVALUATION

Date: 13-03-2024

ANWER ANY 4 QUESTIONS

SL.NO.	PARTICULARS	ALLOTED MARKS
1	Criteria of copyright	5
2.	Significance of copyright	5
3	Classification of trademark	5
4	Role and function of the trademarks	5
5	Case study	5
6	Protection and enforcement of rights related to GI	5