K.S. SCHOOL OF ENGINEERING AND MANAGEMENT, BANGALORE - 560109
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CONTENTS

1. Front sheet (Cover page)
2. Vision and Mission of the Department
3. Syllabus
4. Calendar of Events
5. Time table (Individual)
6. Student list
7. Lesson plan
8. Question Bank
9. CO-PO mapping
10. Assignments (3 Assignments)
11. Internal Question paper and scheme (Set-A & Set-B) (3 Internals)
12. Previous year university question papers
13. Course Materials
    - Notes/PPT/ lecture videos/ Materials/other contents related to the subject
14. Additional teaching aid with proof (TPS/flip class/programming etc.) (IF ANY)
15. Slow learners and Advanced learners list (after the first internals)
16. Assignments Marks (3 Assignments)
17. Internal Test Marks (3 Internals)
18. Internal Final Marks

K.S. SCHOOL OF ENGINEERING AND MANAGEMENT, BANGALORE - 560109
DEPARTMENT OF COMPUTER SCIENCEAND ENGINEERING

Course File

21RMI56

Research Methodology and Intellectual Property Rights
V Semester 2023-24

Faculty In-charge
Meena G
Asst. Professor
Dept of Computer Science and Engineering
KS School of Engineering & Management, Bangalore

K. S. SCHOOL OF ENGINEERING AND MANAGEMENT

VISION

To impart quality education in engineering and management to meet technological, business and societal needs through holistic education and research.

MISSION

K.S. School of Engineering and Management shall,

- Establish state-of-art infrastructure to facilitate effective dissemination of technical and Managerial knowledge.
- Provide comprehensive educational experience through a combination of curricular and Experiential learning, strengthened by industry-institute-interaction.
- Pursuesocially relevant research and disseminate knowledge.
- Inculcate leadership skills and foster entrepreneurial spirit among students.

Department of Computer Science and Engineering

VISION

To produce quality Computer Science professional, possessing excellent technical knowledge, skills, personality through education and research.

MISSION

Department of Computer Science and Engineering shall,

- Provide good infrastructure and facilitate learning to become competent engineers who meet global challenges.
- Encourages industry instituteinteraction to give an edge to the students.
- Facilitates experimental learning through interdisciplinary projects.
- Strengthen soft skill to address global challenges.

V Semester

RESEARCH METHODOLOGY & INTELLECTUAL PROPERTY RIGHTS			
Course Code:	21RMI56	CIE Marks	50
Teaching Hours/Week (L:T:P: S)	1:2:0:0	SEE Marks	50
Total Hours of Pedagogy	25	Total Marks	100
Credits	02	Exam Hours	03

Course Objectives:
CO1. To Understand the knowledge on basics of research and its types.
CO2. To Learn the concept of Literature Review, Technical Reading, Attributions and Citations.
CO3. To learn Ethics in Engineering Research.
CO4. To Discuss the concepts of Intellectual Property Rights in engineering.

Teaching-Learning Process (General Instructions)
These are sample Strategies; which teachers can use to accelerate the attainment of the various course outcomes.

1. Lecturer methods (L) need not be only the traditional lecture methods, but alternative effective teaching methods could be adopted to attain the outcomes.
2. Use of Video to explain various concepts on IPR.
3. Encourage collaborative (Group Learning) Learning in the class.
4. Ask at least three HOT (Higher Order Thinking) questions in the class, which promotes critical thinking.
5. Introduce Topics in manifold representations.
6. Show the different ways to analyze the research problem and encourage the students to come up with their own creative ways to solve them.
7. Discuss how every concept can be applied to the real world - and when that's possible, it helps Improve the students' understanding.

Module-1 (5 Hours)

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.

Teaching- Learning Process	Chalk and talk method / PowerPoint Presentation.

Module-2(5 Hours)

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.

Teaching-Learning Process	Chalk and talk method / PowerPoint Presentation

Module-3(5 Hours)

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.

Teaching- Learning Process	Chalk and talk method / PowerPoint Presentation.

Module-4(5 Hours)

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(5 Hours)

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

Teaching- Learning Process	Chalk and talk method / PowerPoint Presentation

Assessment Details (both CIE and SEE)
The weightage of Continuous Internal Evaluation (CIE) is 50% and for Semester End Exam (SEE) is 50%. The minimum passing mark for the CIE is 40% of the maximum marks (20 marks out of 50). A student shall be deemed to have satisfied the academic requirements and earned the credits allotted to each subject/ course if the student secures not less than 35% (18 Marks out of 50) in the semester-end examination(SEE), and a minimum of 40% (40 marks out of 100) in the sum total of the CIE (Continuous Internal Evaluation) and SEE (Semester End Examination) taken together.

Continuous Internal Evaluation:
Three Unit Tests each of 20 Marks (duration 01 hour)
  1. First test at the end of 5 th week of the semester
  2. Second test at the end of the 10 th week of the semester
  3. Third test at the end of the 15 th week of the semester
Two assignments each of 10 Marks
  4. First assignment at the end of 4 th week of the semester
  5. Second assignment at the end of 9 th week of the semester
Group discussion/Seminar/quiz any one of three suitably planned to attain the COs and POs for 20 Marks (duration 01 hours)
  6. At the end of the 13th week of the semester
The sum of three tests, two assignments, and quiz/seminar/group discussion will be out of 100 marks and will be scaled down to 50 marks (to have less stressed CIE, the portion of the syllabus should not be common /repeated for any of the methods of the CIE. Each method of CIE should have a different syllabus portion of the course).
CIE methods /question paper is designed to attain the different levels of Bloom's taxonomy as per the Outcome defined for the course.

Semester End Examination:
Theory SEE will be conducted by University as per the scheduled timetable, with common question papers for the subject (duration 03 hours)
  1. The question paper will be set for 100 marks. Marks scored shall be proportionally reduced to 50 marks
  2. The question paper will have ten questions. Each question is set for 20 marks,
  3. There will be 2 questions from each module. Each of the two questions is under a module (with a maximum of 2 sub-questions).
  4. The students have to answer 5 full questions, selecting one full question from each module.
Marks scored by the students will be proportionally scaled down to 50 marks

Course Outcomes (Course Skill Set)

At the end of the course the student will be able to:

CO 1. To know the meaning of engineering research.

CO 2. To know the procedure of Literature Review and Technical Reading.

CO 3. To know the fundamentals of patent laws and drafting procedure.

CO 4. Understanding the copyright laws and subject matters of copyrights and designs

CO 5. Understanding the basic principles of design rights.

Suggested Learning Resources:

Textbook

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

Reference Book:

1. David V. Thiel "Research Methods for Engineers" Cambridge University Press, 978-1-107-03488-4

2. Intellectual Property Rights by N.K.Acharya Asia Law House 6th Edition. ISBN: 978-93-81849-30-9

Activity Based Learning (Suggested Activities in Class)/ Practical Based learning

- Quizzes
- Assignments
- Seminars

K. S. SCHOOL OF ENGINEERING AND MANAGEMENT
BENGALURU-560109
TENTATIVE CALENDAR OF EVENTS: V ODD SEMESTER (2023-2024)
SESSION: OCT 2023 TO MAR 2024

Week No.	Month	Mon	Tue	Wed	Thu	Fri	Sat	Days	Activities
1	NOV						25*	1	25*-Commencement of V sem 25- Wednesday Time Table
2	NOV/DEC	27	28	29	30H	1	2DH	4	30- Kanakadasa Jayanti
3	DEC	4	5	6	7	8	9	6	9- Tuesday Time Table
4	DEC	11	12	13	14	15	16DH	5	
5	DEC	18	19	20	21	22	23TA	6	23- Monday Time Table
6	DEC	25 H	26 T1	27 T1	28 T1	29	30	5	25- Christmas 30 - Monday Time Table
7	JAN	1 BV	2 ASD	3 *FFB1	4	5	6DH	5	3 - First Faculty Feed Back
8	JAN	8	9	10	11	12	13	6	13- Tuesday Time Table
9	JAN	15 H	16	17	18	19	20DH	4	15- Makara Sankranti
10	JAN	22	23	24	25	26 H	27 TA	5	26 - Republic Day 27- Monday Time Table
11	JAN / FEB	29T2	30 T2	31 T2	1	2 BV	3DH	5	
12	FEB	5 ASD	6 *FFB2	7	8	9	10	6	6 - Second Faculty Feed Back 10 - Monday Time Table
13	FEB	12	13	14	15	16	17DH	5	
14	FEB	19	20	21	22	23	24 TA	6	24- Thursday Time Table
	FEB /MAR	26 T3	27 T3	28 T3	29 LT	1 LT	2DH	5	
16	MAR	4 LT	5 LT	6	7	8 H	9*	5	8- Maha Shivratri 9- Friday Time Table 9* - Last working Day

Total No of Working Days : 79

Total Number of working days (Excluding holidays and Tests)=66

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

Monday	14
Tuesday	13
Wednesday	13
Thursday	13
Friday	13
Total	66

SIGNATURE OF PRINCIPAL
Dr. K. RAMA NARASIMHA
Principal/Director
K S School of Engineering and Management
Bengaluru - 560 109

Note: INTERNSHIP : 25th October 2023 to 23rd November 2023

K.S. SCHOOL OF ENGINEERING AND MANAGEMENT, BENGALURU-560109

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

SESSION: 2023-2024(ODD SEMESTER)

(w. e. f 13-09-2023)

INDIVIDUAL TIME TABLE

KSSEM

Class: VII B & V B

Faculty Name: Mrs. Meena G

DAY	8.40-9.35	9.35-10.30	10.30 -10.45	10.45 -11.40	11.40-12.35	12.35-1.20	1.20 -2.10	2.10-3.00	3.00-3.50
MONDAY		(G3)PWP I Lab			RMIP (V B)				UID (VII B)
TUESDAY	RMIP (V B)			UID (VII B)			(G4) PWP I Lab	
WEDNESDAY	UID (VII B)		TEA BREAK		RMIP (V B)	LUNCH BREAK	(G6)PWP I Lab	
THURSDAY		(G2) PWP I Lab		RMIP (V B)				
FRIDAY		(G1) PWP I Lab					(G5) PWP I Lab	
SATURDAY					AS PER CALENDAR OF EVENTS			

CODE	SUBJECT	Hours /Week		
18CS734	User Interface Design	3		Mrs. Meena G
21XX56	Research Methodology & Intellectual Property Rights	4		
18CSP77	Project Work Phase -1	9		

Time Table Coordinator

Head of the Department
HOD
Department of Computer Science Engineering
K.S School of Engineering & Management
Bangalore-560109

Principal
Dr. K. RAMA NARASIMHA
Principal/Director
K S School of Engineering and Managem
Bengaluru - 560 109

Sl. No.	USN	Name of the Student
1	1KG21CS064	MANASVI K M
2	1KG21CS065	MANYA R
3	1KG21CS066	MEGHANA G
4	1KG21CS067	MOHITH KUMAR Y V
5	1KG21CS068	MYTHRI Y
6	1KG21CS069	NAMITH U
7	1KG21CS070	NANDANA M
8	1KG21CS071	NANNURU JASWANTH
9	1KG21CS072	NAVACHANDU N
10	1KG21CS073	NAVEENKANTH S
11	1KG21CS074	NEHA U
12	1KG21CS075	NIKITHA L
13	1KG21CS076	NIKITHA N M
14	1KG21CS077	NILESH RAJAN
15	1KG21CS078	NITHIN B
16	1KG21CS079	NITHIN NAIDU S P
17	1KG21CS080	P HEMANTH KUMAR
18	1KG21CS081	PACHA BHARADWAZ
19	1KG21CS082	PATIL ADESH WAMANRAO
20	1KG21CS083	PAVAN R
21	1KG21CS084	POSINA LIKHITHA
22	1KG21CS085	PRAKRIT R ARITAS
23	1KG21CS086	PRANAVA S BHAT
24	1KG21CS087	PRERANA B
25	1KG21CS088	R H HEMANTH KUMAR
26	1KG21CS089	RACHANA R
27	1KG21CS090	RAMKI G K L
28	1KG21CS091	RAMU T N
29	1KG21CS092	REKHA RATHOD
30	1KG21CS093	ROHIT L

K.S. SCHOOL OF ENGINEERING AND MANAGEMENT, BENGALURU - 560109
DEPARTMENT OF COMPUTER SCIENCE& ENGINEERING
SESSION: 2023-2024 (ODD SEMESTER)
LESSON PLAN

NAME OF THE STAFF : Meena G

COURSE CODE/TITLE : 21RMI56 / RESEARCH METHODOLOGY & INTELLECTUAL PROPERTY RIGHTS

SEMESTER/YEAR : V/III – B Sec

Sl. No.	Topic to be covered	Mode of Delivery	Teaching Aid	No. of Periods	Cumulative No. of Periods	Proposed Date	Delivery Date
	MODULE 1						
1	Introduction: Meaning of Research, Objectives of Engineering Research	L+D	BB+LCD	1	1	25.11.2023	27/11/23
2	Motivation in Engineering Research, Types of Engineering Research	L+D	BB+LCD	1	2	27.11.2023	28/11/23
3	Finding and Solving a Worthwhile Problem, Ethics in Engineering Research	L+D	BB+LCD	1	3	28.11.2023	29/11/23
4	Ethics in Engineering Research Practice, Types of Research Misconduct	L+D	BB+LCD	1	4	29.11.2023	5/12/23
5	Ethical Issues Related to Authorship	L+D	BB+LCD	1	5	04.12.2023	6/12/23
6	Tutorial	L+D	BB+LCD	5	-	05.12.2023 06.12.2023 07.12.2023 09.12.2023 11.12.2023	5/12/23 8/12/23 20/12/23 23/12/23 26/12/23
	MODULE 2						

7	**Literature Review and Technical Reading:** New and Existing Knowledge, Analysis and Synthesis of Prior Art Bibliographic Databases, Web of Science, Google and Google Scholar	L+D	BB+LCD	1	6	12.12.2023	1|1|24
8	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	L+D	BB+LCD	1	7	13.12.2023	2|1|24
9	Attributions and Citations: Giving Credit Wherever Due, Citations: Functions and Attributes, Impact of Title and Keywords on Citations, Knowledge Flow through Citation	L+D	BB+LCD	1	8	14.12.2023	8|1|24
10	Citing Datasets, Styles for Citations, Acknowledgments and Attributions, What Should Be Acknowledged	L+D	BB+LCD	1	9	18.12.2023	9|1|24
11	Acknowledgments in, Books Dissertations, Dedication or Acknowledgments	L+D	BB+LCD	1	10	19.12.2023	10|1|24
12	Tutorial	L+D	BB+LCD	5	-	20.12.2023 21.12.2023 23.12.2023 30.12.2023 01.01.2024	13|1|24 16|1|24 17|1|24 18|1|24 22|1|24
MODULE 3							
13	**Introduction To Intellectual Property:** Role of IP in the Economic and Cultural Development of the Society, IP Governance, IP as	L+D	BB+LCD	1	11	02.01.2024	24|1|24

	a Global Indicator of Innovation. Origin of IP History of IP in India. Major Amendments in IP Laws and Acts in India.						
14	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.	L+D	BB+LCD	1	12	03.01.2024	24/1/24
15	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.	L+D	BB+LCD	1	13	04.01.2024	25/1/24
16	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.	L+D	BB+LCD	1	14	08.01.2024	28/1/24
17	Patent Related Forms. Fee Structure Types of Patent Applications. Commonly Used Terms in Patenting.	L+D	BB+LCD	1	15	09.01.2024	29/1/24

	Agreements, Conventions and Treaties.						
22	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	L+D	BB+LCD	1	19	24.01.2024	13/2/24
23	Validity of Trademark. Types of Trademarks Registered in India. Trademark Registry. Process for Trademarks Registration. Prior Art Search. Famous Case Law: Coca-Cola Company vs. Bisleri International Pvt. Ltd.	L+D	BB+LCD	1	20	25.01.2024	15/2/24
24	Tutorial	L+D	BB+LCD	5	-	27.01.2024 01.02.2024 05.02.2024 06.02.2024 07.02.2024	19/2/24 19/2/24
MODULE 5							
25	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	L+D	BB+LCD	1	21	08.02.2024	20/2/24
26	Application for Registration. Duration of the Registration of a Design. Importance of Design	L+D	BB+LCD	1	22	10.02.2024	21/2/24

Research Methodology and Intellectual Property Rights (21CS52)

Module-1

1. Define research? List objectives of engineering research.
2. Explain research lifecycle and ways of developing and accessing knowledge with a neat diagram.
3. Discuss motivation in engineering research.
4. Explain different types of engineering research.
5. Outline the steps involved in solving a research problem.
6. Summarize ethics in engineering research.
7. Discuss various types of research misconduct.
8. Describe ethical issues related to authorship.

Module-2

1. **Define** literature survey and **discuss** primary goals and steps involved in literature survey process.

2. **Explain** in detail new and existing knowledge.

3. **Explain** the steps involved in analyzing literature survey grid.

4. **Describe** the steps in evaluating the sources

5. **Define** bibliographic database and **discuss** the following

    i.   Web of science

    ii.   Google and Google scholar

6. **List** and **discuss** various basic search operators for improved results in detail.

7. **Summarize** effective search.

8. **Describe** various strategies for reading a research paper and **discuss** its importance

9. **Discuss** conceptualizing research.

10. **Explain** in detail critical and creative reading.

11. **Outline** the following

    i.   Taking notes while reading

    ii.   Reading Mathematics and algorithms

    iii. Reading datasheet

12. **Discuss** the important rules and conventions in academic writing.

13. **Describe** various functions and attributes of citations.

14. **Outline** the impact of title and keyword on citations.

15. **Generalize** the concept of knowledge flow through citation.

16. **Explain** citing datasets and various styles for citations.

17. **Discuss** acknowledge and attributes in detail.

Module-3

1. **Define** IP and IPR. **Discuss** Origin of IP and two branches of IP.

2. **Explain** the role of IP in the Economic and Cultural Development of the Society.

3. **Discuss** IP Governance.

4. **Describe** IP as a Global Indicator of Innovation.

5. **Outline** the following

    i.   Patents

    ii. Copyrights and Related Rights

    iii. Trademarks

    iv. Geographical Indications

    v.   Trade Secrets

6. **Summarize** the following

    i.   Semiconductor Integrated Circuits and Layout Designs

    ii. Plant Varieties

    iii. Traditional Knowledge

    iv. Industrial Designs

    v.   Biodiversity Conservation

7. **List** major laws and acts pertaining to intellectual property in india.

8. **Define** patent. **Discuss** the conditions for obtaining a patent protection.

9. **Discuss** the concept of to Patent or not to patent an invention, rights associated with patents and enforcement of patent rights.

10. **Explain** inventions eligible for patenting and not eligible for patenting.

11. **Explain** patent infringements and its categories.

12. **Discuss** concept of avoid public disclosure of an invention before patenting.

13. **Explain** the process patenting with suitable flowchart.

14. **Discuss** the concept of prior art search of patenting.

15. **Describe** two types of patent application forms with their template and draw the flowchart for the process of filing a patent application.

16. **Generalize** various jurisdiction of filing patent application.

17. **Discuss** the concept of commercialization of a patent and types licensing of a patent.

18. **List** some of the important patent application forms.

19. **Describe** the fee structure of patenting.

20. **Explain** different types of patent applications.

21. **Discuss** utility models and commonly used terms in patenting.

Module-4

1. **Define** copyrights and **Discuss** classes of copyrights, criteria for copyright.

2. **Generalize** the following
   i. ownership of copyright
   ii. copyrights of the author
   iii. copyright infringements
   iv. copyright infringement is a criminal offence
   v. copyrights and internet
   vi. non-copyright work

3. **Explain** the concept of fair use doctrine.

4. **Describe** application for registration of copyright along with the template and draw the flowchart for the process of copyright registration.

5. **List** statement of particular and statement of further particular for literary.

6. **Summarize** judicial powers of the registrar of copyrights.

7. **List** the important forms pertaining to copyrights.

8. **Outline** the fee structure for copyrights.

9. **Discuss** copyright symbol and validity of copyright.

10. **Explain** copyright profile of india.

11. **Outline** the following
    i. copyright and the word publish
    ii. transfer of copyrights to a publisher
    iii. copyrights and the word adaptation
    iv. copyrights and the word indian work
    v. copyright enforcement advisory council

12. **Explain** the concept of copyright society in detail.

13. **Discuss** copyright board and its powers.

14. **Describe** international copyright agreements, conventions and treaties.

15. **Explain** various copyright cases.

16. **Define** trademark and discuss its eligibility criteria.

17. **List** the acts and laws pertaining to copyrights and validity of trademark.

18. **Describe** designation of trademark symbols and classification of trademarks.

19. **Discuss** the advantages of registration of a trademark.

20. **List** types of trademarks registered in india and some of the examples of trademark.

21. **Summarize** trademark registry.

22. **Explain** the process for trademarks registration with a suitable flowchart.

23. **Discuss** prior art search.

24. **Outline** the fee and form related to trademark.

25. **Explain** trademark case law.

K.S. SCHOOL OF ENGINEERING AND MANAGEMENT, BENGALURU - 560109
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
CO PO-Mapping

Course: Research Methodology and Intellectual Property Rights			
Type: Ability Enhancement Course		Course Code: 21RMI56	

No of Hours

Theory (Lecture Class)	Practical/Field Work/Allie d Activities	Total/Week	Total teaching hours
2	0	2	25

Marks

Internal Assessment	Examination	Total	Credits
50	50	100	2

Aim/Objectives of the Course

1. To know the meaning of engineering research.
2. To know the procedure of literature review and technical reading.
3. To know the fundamentals of patent laws and drafting procedure.
4. To Understanding the copyright laws and subject matters of copyrights and designs.
5. To understanding the basic principles of design rights.

Course Learning Outcomes
After completing the course, the students will be able to

CO1	Summarize the importance of research methodology, Objectives, languages of research, Measurement Issues.	Understanding (K2)
CO2	Explain the concept of Literature Review and Technical Reading.	Understanding (K2)
CO3	What is Patent, patent rights, eligibility and grants.	Understanding (K2)
CO4	Discuss the the copy related classes, authors, registration and the trademark eligibility criteria.	Understanding (K2)
CO5	Outline acts, laws and rules of geographical indications.	Understanding (K2)

Syllabus Content

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. **LO:** At the end of this session the student will be able to 1. Explain the meaning Engineering Research. 2. Compare the different types of research. 3. Explain and Solve the worthwhile problem.	CO1 5 hrs PO1-3 PO2-1 PO6 -1 PO8 -2 PO10-1 PO10-1 PO12-2

	PSO1-1 PSO2-1
4. Mention the ethics in research & Types & Issues.	

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.
LO: At the end of this session the student will be able to
   1. Explain the concept of Literature Review and Technical Reading.
   2. Explain the Attributions and Citations.
   3. Explain the concept Acknowledgments in, Books Dissertations, Dedication or Acknowledgments.
	CO2
	5 hrs
	
	PO1-3
	PO6 -1
	PO10-1
	PO12-1
	PSO1-1
	PSO2-1

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 PatentAttorney/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.
LO: At the end of this session the student will be able to,
   1. Explain the role of IP.
   2. What is Patent, patent rights, eligibility and grants .
   3. Explain the process of patenting.
	CO3
	5 hrs
	PO1-3
	PO2-2
	PO3-2
	PO6 -2
	PO8 -1
	PO9-1
	PO10-1
	PO12-1
	PSO1-1
	PSO2-1

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.
LO: At the end of this session the student will be able to,
  1. Explain the copy related classes, authors, registration.
  2. Explain transfer of copyrights.
  3. Explain the trademark eligibility criteria.
	CO4
	5 hrs
	
	PO1-2
	PO3-1
	PO6 -1
	PO8 -1
	PO10-1
	PO12-1
	PSO1-1
	PSO2-1

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
LO: At the end of this session the student will be able to
 	
  1. Explain the eligibility criteria of industrial designs.
  2. Explain acts, laws and rules of geographical indications.
  3. Explain the identifications of GI.
  4. Explain the various cases studies.
	CO5
	5 hrs
	
	PO1-2
	PO3-2
	PO6 -1
	PO10-1
	PO12-1
	PSO1-1
	PSO2-1

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

Reference Books (specify minimum two foreign authors text books)

1. David V. Thiel "Research Methods for Engineers" Cambridge University Press, 978-1-107-03488- 4

   - Activity Based Learning

2. 2. Intellectual Property Rights by N.K.Acharya Asia Law House 6th Edition. ISBN: 978-93-81849-30-9

Useful Websites

1. https://www.google.com/search?rlz=1C1ASVC_enIN953IN954&q=%22weblinks%22+for+Research+methodology+and+IPR&sa=X&ved=2ahUKEwirt8XRhZiAAxVQb2wGHW9SB6QQ5t4CegQIOhAB
2. https://www.dolphininstitute.in/workshops-seminars-conducted-on-research-methodology-ipr-andentrepreneurship/
3. http://www.cs.princeton.edu/courses/archive/fall02/cs526/

Useful Journals

1. https://academic.oup.com/jiplp/article/18/11/771/7326694
2. https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/312008/ipresearch-bankingip.pdf

Teaching and Learning Methods

1. Lecture class: 25hrs

2. Revision classes: 27hrs

Assessment

Type of test/examination: Written examination

Continuous Internal Evaluation(CIE) : 40 marks (Average of three tests will be considered)

Semester End Exam(SEE): 100 marks (students have to answer all main questions) which will be reduced to 60 Marks.

Test duration: 1 :30 hrs

Examination duration: 3 hrs

CO to PO Mapping

PO1: Science and engineering Knowledge PO2: Problem Analysis PO3: Design & Development PO4:Investigations of Complex Problems PO5: Modern Tool Usage PO6: Engineer & Society	PO7:Environment and Society PO8:Ethics PO9:Individual & Team Work PO10: Communication PO11:Project Management & Finance PO12:Lifelong Learning

PSO1: Understand fundamental and advanced concepts in the core areas of Computer Science and Engineering to analyze, design and implement the solutions for the real-world problems.

PSO2: Utilize modern technological innovations efficiently in various applications to work towards the betterment of society and solve engineering problems.

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	PSO1	PSO2
18CS734	K-level														
CO1	K2	3	1	-	-	-	1	-	2	-	1	-	2	1	1
CO2	K2	3	-	-	-	-	1	-	-	-	1	-	1	1	1
CO3	K2	3	2	2	-	-	2	-	1	1	1	-	1	1	1
CO4	K2	2	-	1	-	-	1	-	1	-	1	-	1	1	1
CO5	K2	2	-	2	-	-	1	-	-	-	1	-	1	1	1

Course In charge

Head of the Department

IQAC Coordinator

Dr. K. RAMA NARASIMHA
Principal
Principal/Director
K S School of Engineering and Managem...
Bengaluru - 560 109
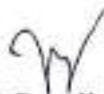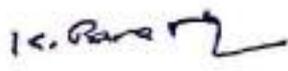
HOD
Department of Computer Science Engineering
K.S School of Engineering & Management
Bangalore-560109

SESSION: 2023-2024 (ODD SEMESTER)

FIRST ASSIGNMENT

Degree	: B.E	Semester	: V	
Branch	: CSE	Course Code	: 21RMI56	
Course Title	: Research Methodology & Intellectual Property Rights	Max Marks	: 10	
Date	: 13/12/2023	Last Date for submission	: 20/12/2023	

Q No.	Questions	Marks	K-Level	CO mapping
1	**Define** research? **List** objectives of engineering research.	1	Understanding K2	CO1
2	**Explain** research lifecycle and ways of developing and accessing knowledge with a neat diagram.	1	Understanding K2	CO1
3	**Discuss** various motivation in engineering research.	1	Understanding K2	CO1
4	**Explain** different types of engineering research.	1	Understanding K2	CO1
5	**Outline** the steps involved in solving a research problem	1	Understanding K2	CO1
6	**Summarize** ethics in engineering research and ethical issues related to authorship.	1	Understanding K2	CO1
7	**Discuss** various types of research misconduct.	1	Understanding K2	CO1
8	**Define** literature survey? **Discuss** primary goals and steps involved in literature survey process.	1	Understanding K2	CO2
9	**Explain** the steps involved in analyzing literature survey grid.	1	Understanding K2	CO2
10	**Describe** the steps in evaluating the sources.	1	Understanding K2	CO2

Course In charge

HOD
HOD
Department of Computer Science Engineering
K.S School of Engineering & Management
Bangalore-560109

K.S. SCHOOL OF ENGINEERING AND MANAGEMENT, BANGALORE - 560109
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

SESSION: 2023-2024 (ODD SEMESTER)

SECOND ASSIGNMENT

Degree	:	B.E	Semester : V	
Branch	:	CSE	Course Code : 21RMI56	
Course Title	:	Research Methodology & Intellectual Property Rights	Max Marks : 10	
Date	:	19/01/2024	Last Date for submission : 25/01/2024	

Q No.	Questions	Marks	K-Level	CO mapping
1	Describe various strategies for reading a research paper and discuss its importance.	1	Understanding K2	CO2
2	Discuss conceptualizing research. Explain critical and creative reading.	1	Understanding K2	CO2

3	Outline the following
	  i. Taking notes while reading
	  ii. Reading Mathematics and algorithms
	  iii. Reading datasheet
		1	Understanding K2	CO2

4	Explain citing datasets and various styles for citations. Discuss various functions and attributes of citations and knowledge flow through citation.	1	Understanding K2	CO2
5	List major laws and acts pertaining to intellectual property in India.	1	Understanding K2	CO3
6	Define patent. Discuss the conditions for obtaining a patent protection and inventions eligible for patenting and not eligible for patenting.	1	Understanding K2	CO3
7	Explain the process patenting with suitable flowchart.	1	Understanding K2	CO3
8	Explain patent infringements and its categories. Discuss the concept of prior art search of patenting.	1	Understanding K2	CO3
9	List some of the important patent application forms. Explain different types of patent applications.	1	Understanding K2	CO3
10	Describe two types of patent application forms with their template and draw the flowchart for the process of filing a patent application.	1	Understanding K2	CO3

Course Incharge

HOD
Department of Computer Science Engineering
K.S School of Engineering & Management
Bangalore-560109

K.S. SCHOOL OF ENGINEERING AND MANAGEMENT BANGALORE - 560109
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
SESSION: 2023-2024 (EVEN SEMESTER)
QUIZ ASSESMENT- ACTIVITY BASED

A

USN [ ][ ][ ][ ][ ][ ][ ][ ][ ][ ]

Degree : B.E		Semester :	IV
Branch : CSE		Course Code :	21RMI56
Course Title : Research Methodology and Intellectual Property Rights.		Date :	06-03-2024
Duration : 60 Minutes		Max Marks :	20

Q No.	Question	Marks	K-Level	CO mapping
1	Research is A. Searching again and again B. Finding solution to any problem C. Working in a scientific way to search for truth of any problem D. None of the above	1	Understanding K2	CO1
2	Research can be classified as: A. Basic, Applied and Action Research B. Quantitative and Qualitative Research C. Philosophical, Historical, Survey and Experimental Research D. All the above	1	Understanding K2	CO1
3	The data of research is _____ A. Qualitative only B. Quantitative only C. Both (a) and (b) D. Neither (a) nor (b)	1	Understanding K2	CO1
4	The first step of research is: A. Finding a problem B. Selecting a problem C. Searching a problem D. Identifying a problem	1	Understanding K2	CO1
5	The main purpose of research in education is to _____	1	Understanding K2	CO2

	A. Increase social status of an individual			
	B. Increase job prospects of an individual			
	C. Help in the personal growth of an individual			
	D. Help the candidate become an eminent educationist			
6	The depth of any research can be judged by: A. Title of the research B. Duration of the research C. Objectives of the research D. Total expenditure on the research	1	Understanding K2	CO2
7	Bibliography given in a research report: A. Has no relevance to research B. Shows vast knowledge of the researcher C. Helps those interested in further research D. All the above	1	Understanding K2	CO2
8	The research is always A. Exploring new knowledge B. Verifying the old knowledge C. Filling the gap between knowledge D. All of these	1	Understanding K2	CO2
9	Which of the following is not covered under Intellectual Property Rights? A. Copyrights B. Patents C. Trade Marks D. Thesaurus	1	Understanding K2	CO3
10	What is a patent? A. Exclusive rights granted to an inventor to protect their invention B. Permission to manufacture and sell a product without restrictions C. A contract between two parties for the use of intellectual property.	1	Applying K3	CO3

	D. A government subsidy for research and development projects			
11	The Patent Act passed by A. State Government B. Central / Federal Government	1	Understanding K2	CO3
12	A patent for the ___ is prohibited. A. Traditional knowledge B. Arms C. Atomic energy D. Junk food	1	Understanding K2	CO3
13	How long is the typical duration of a patent? A. 5 years B. 15 years C. 20 years D. Lifetime	1	Understanding K2	CO3
14	International copyright is governed by the A. Paris Convention B. TRIPS C. Berne Convention D. WTO	1	Understanding K2	CO4
15	Copyright is a A. creation by a person of efforts, intellectual and capital B. creation by person of the efforts only C. creation by negligence of a person D. creation of the mental status of a person	1	Understanding K2	CO4
16	The copyright Act firstly introduced in which year and in which country? A. 1852 – America B. 1705 – India C. 1857 – Germany D. 1709 – England	1	Understanding K2	CO4

17	Trademarks identify A. Consumer and its origin B. Registrar and controller C. Product and its origin D. Product and consumer	1	Understanding K2	CO4
18	Registration of trademark is made for A. 3 years B. Life time C. 5 years D. 10 Years	1	Understanding K2	CO4
19	A design can also be registered under __ A. Trademark Act B. Patent Act C. Geographical Indication Act D. Copyright Act	1	Understanding K2	CO5
20	In the landmark patent case Apple Inc. v. Samsung Electronics Co., Ltd., the design patent infringement was related to which of the following? A. Software algorithms B. Smartphone features C. Industrial machinery D. Pharmaceutical drugs	1	Understanding K2	CO5

Signature of Staff-Incharge

Head of the Department

B

35

Degree	:	B.E
Branch	:	CSE
Course Title	:	Research Methodology and Intellectual Property Rights.
Duration	:	60 Minutes

Semester	:	IV
Course Code	:	21RMI56
Date	:	06-03-2024
Max Marks	:	20

USN

Q No.	Question	Marks	K-Level	CO mapping
1	The copyright Act firstly introduced in which year and in which country? A. 1852 – America B. 1705 – India C. 1857 – Germany D. 1709 – England	1	Understanding K2	CO4
2	Trademarks identify A. Consumer and its origin B. Registrar and controller C. Product and its origin D. Product and consumer	1	Understanding K2	CO4
3	Registration of trademark is made for A. 3 years B. Life time C. 5 years D. 10 Years	1	Uuderstanding K2	CO4
4	A design can also be registered under __ A. Trademark Act B. Patent Act	1	Understanding K2	CO5

		C. Geographical Indication Act				
		D. Copyright Act				
5	In the landmark patent case Apple Inc. v. Samsung Electronics Co., Ltd., the design patent infringement was related to which of the following? A. Software algorithms B. Smartphone features C. Industrial machinery D. Pharmaceutical drugs	1	Understanding K2	CO5		
6	The Patent Act passed by A. State Government B. Central / Federal Government	1	Understanding K2	CO3		
7	A patent for the __ is prohibited. A. Traditional knowledge B. Arms C. Atomic energy D. Junk food	1	Understanding K2	CO3		
8	How long is the typical duration of a patent? A. 5 years B. 15 years C. 20 years D. Lifetime	1	Understanding K2	CO3		
9	International copyright is governed by the A. Paris Convention B. TRIPS C. Berne Convention D. WTO	1	Understanding K2	CO4		
10	Copyright is a	1	Applying	CO4		

			K3	
	A. creation by a person of efforts, intellectual and capital B. creation by person of the efforts only C. creation by negligence of a person D. creation of the mental status of a person			
11	The depth of any research can be judged by: A. Title of the research B. Duration of the research C. Objectives of the research D. Total expenditure on the research	1	Understanding K2	CO2
12	Bibliography given in a research report: A. Has no relevance to research B. Shows vast knowledge of the researcher C. Helps those interested in further research D. All the above	1	Understanding K2	CO2
13	The research is always A. Exploring new knowledge B. Verifying the old knowledge C. Filling the gap between knowledge D. All of these	1	Understanding K2	CO2
14	Which of the following is not covered under Intellectual Property Rights? A. Copyrights B. Patents C. Trade Marks D. Thesaurus	1	Understanding K2	CO3
15	What is a patent? A. Exclusive rights granted to an inventor to protect their invention B. Permission to manufacture and sell a product without restrictions C. A contract between two parties for the use of intellectual property.	1	Understanding K2	CO3

	D. A government subsidy for research and development projects			
16	Research is A. Searching again and again B. Finding solution to any problem C. Working in a scientific way to search for truth of any problem D. None of the above	1	Understanding K2	CO1
17	Research can be classified as: A. Basic, Applied and Action Research B. Quantitative and Qualitative Research C. Philosophical, Historical, Survey and Experimental Research D. All the above	1	Understanding K2	CO1
18	The data of research is _____ A. Qualitative only B. Quantitative only C. Both (a) and (b) D. Neither (a) nor (b)	1	Understanding K2	CO1
19	The first step of research is: A. Finding a problem B. Selecting a problem C. Searching a problem D. Identifying a problem	1	Understanding K2	CO1
20	The main purpose of research in education is to _____ A. Increase social status of an individual B. Increase job prospects of an individual C. Help in the personal growth of an individual D. Help the candidate become an eminent educationist	1	Understanding K2	CO2

Signature of Staff-Incharge

Head of the Department

K.S. SCHOOL OF ENGINEERING AND MANAGEMENT BANGALORE - 560109
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
SESSION: 2023-2024 (EVEN SEMESTER)
QUIZ ASSESMENT- ACTIVITY BASED

KSSEM

C

USN

Degree : B.E	Semester : IV
Branch : CSE	Course Code : 21RMI56
Course Title : Research Methodology and Intellectual Property Rights.	Date : 06-03-2024
Duration : 60 Minutes	Max Marks : 20

Q No.	Question	Marks	K-Level	CO mapping
1	The depth of any research can be judged by: A. Title of the research B. Duration of the research C. Objectives of the research D. Total expenditure on the research	1	Understanding K2	CO2
2	Bibliography given in a research report: A. Has no relevance to research B. Shows vast knowledge of the researcher C. Helps those interested in further research D. All the above	1	Understanding K2	CO2
3	The research is always A. Exploring new knowledge B. Verifying the old knowledge C. Filling the gap between knowledge D. All of these	1	Understanding K2	CO2
4	Which of the following is not covered under Intellectual Property Rights? A. Copyrights B. Patents C. Trade Marks D. Thesaurus	1	Understanding K2	CO3
5	What is a patent?	1	Understanding K2	CO3

	A. Exclusive rights granted to an inventor to protect their invention B. Permission to manufacture and sell a product without restrictions C. A contract between two parties for the use of intellectual property. D. A government subsidy for research and development projects			
6	The copyright Act firstly introduced in which year and in which country? A. 1852 – America B. 1705 – India C. 1857 – Germany D. 1709 – England	1	Understanding K2	CO4
7	Trademarks identify A. Consumer and its origin B. Registrar and controller C. Product and its origin D. Product and consumer	1	Understanding K2	CO4
8	Registration of trademark is made for A. 3 years B. Life time C. 5 years D. 10 Years	1	Understanding K2	CO4
9	A design can also be registered under __ A. Trademark Act B. Patent Act C. Geographical Indication Act D. Copyright Act	1	Understanding K2	CO5
10	In the landmark patent case Apple Inc. v. Samsung Electronics Co., Ltd., the design patent infringement was related to which of	1	Applying K3	CO5

	the following?			
	A. Software algorithms			
	B. Smartphone features			
	C. Industrial machinery			
	D. Pharmaceutical drugs			
11	Research is A. Searching again and again B. Finding solution to any problem C. Working in a scientific way to search for truth of any problem D. None of the above	1	Understanding K2	CO1
12	Research can be classified as: A. Basic, Applied and Action Research B. Quantitative and Qualitative Research C. Philosophical, Historical, Survey and Experimental Research D. All the above	1	Understanding K2	CO1
13	The data of research is _____ A. Qualitative only B. Quantitative only C. Both (a) and (b) D. Neither (a) nor (b)	1	Understanding K2	CO1
14	The first step of research is: A. Finding a problem B. Selecting a problem C. Searching a problem D. Identifying a problem	1	Understanding K2	CO1
15	The main purpose of research in education is to _____ A. Increase social status of an individual B. Increase job prospects of an individual	1	Understanding K2	CO2

	C. Help in the personal growth of an individual			
	D. Help the candidate become an eminent educationist			
16	The Patent Act passed by A. State Government B. Central / Federal Government	1	Understanding K2	CO3
17	A patent for the __ is prohibited. A. Traditional knowledge B. Arms C. Atomic energy D. Junk food	1	Understanding K2	CO3
18	How long is the typical duration of a patent? A. 5 years B. 15 years C. 20 years D. Lifetime	1	Understanding K2	CO3
19	International copyright is governed by the A. Paris Convention B. TRIPS C. Berne Convention D. WTO	1	Understanding K2	CO4
20	Copyright is a A. creation by a person of efforts, intellectual and capital B. creation by person of the efforts only C. creation by negligence of a person D. creation of the mental status of a person	1	Understanding K2	CO4

Signature of Staff-Incharge

Head of the Department

K.S. SCHOOL OF ENGINEERING AND MANAGEMENT BANGALORE - 560109
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
SESSION: 2023-2024 (EVEN SEMESTER)
QUIZ ASSESMENT- ACTIVITY BASED

D

Degree	:	B.E
Branch	:	CSE
Course Title	:	Research Methodology and Intellectual Property Rights.
Duration	:	60 Minutes

USN [ ][ ][ ][ ][ ][ ][ ][ ][ ][ ]

Semester :	IV
Course Code :	21RMI56
Date :	04-03-2024
Max Marks :	20

Q No.	Question	Marks	K-Level	CO mapping
1	The Patent Act passed by A. State Government B. Central / Federal Government	1	Understanding K2	CO3
2	A patent for the __ is prohibited. A. Traditional knowledge B. Arms C. Atomic energy D. Junk food	1	Understanding K2	CO3
3	How long is the typical duration of a patent? A. 5 years B. 15 years C. 20 years D. Lifetime	1	Understanding K2	CO3
4	International copyright is governed by the A. Paris Convention B. TRIPS C. Berne Convention D. WTO	1	Understanding K2	CO4
5	Copyright is a A. creation by a person of efforts, intellectual and capital B. creation by person of the efforts only	1	Understanding K2	CO4

	C. creation by negligence of a person			
	D. creation of the mental status of a person			
6	Research is A. Searching again and again B. Finding solution to any problem C. Working in a scientific way to search for truth of any problem D. None of the above	1	Understanding K2	CO1
7	Research can be classified as: A. Basic, Applied and Action Research B. Quantitative and Qualitative Research C. Philosophical, Historical, Survey and Experimental Research D. All the above	1	Understanding K2	CO1
8	The data of research is _____ A. Qualitative only B. Quantitative only C. Both (a) and (b) D. Neither (a) nor (b)	1	Understanding K2	CO1
9	The first step of research is: A. Finding a problem B. Selecting a problem C. Searching a problem D. Identifying a problem	1	Understanding K2	CO1
10	The main purpose of research in education is to _____ A. Increase social status of an individual B. Increase job prospects of an individual C. Help in the personal growth of an individual D. Help the candidate become an eminent educationist	1	Applying K3	CO2
11	The copyright Act firstly introduced in which year and in which country? A. 1852 – America	1	Understanding K2	CO4

	C. 1705 – India			
	C. 1857 – Germany			
	D. 1709 – England			
12	Trademarks identify A. Consumer and its origin B. Registrar and controller C. Product and its origin D. Product and consumer	1	Understanding K2	CO4
13	Registration of trademark is made for A. 3 years B. Life time C. 5 years D. 10 Years	1	Understanding K2	CO4
14	A design can also be registered under __ A. Trademark Act B. Patent Act C. Geographical Indication Act D. Copyright Act	1	Understanding K2	CO5
15	In the landmark patent case Apple Inc. v. Samsung Electronics Co., Ltd., the design patent infringement was related to which of the following? A. Software algorithms B. Smartphone features C. Industrial machinery D. Pharmaceutical drugs	1	Understanding K2	CO5
16	The depth of any research can be judged by:	1	Understanding K2	CO2

	A. Title of the research			
	B. Duration of the research			
	C. Objectives of the research			
	D. Total expenditure on the research			
17	Bibliography given in a research report: A. Has no relevance to research B. Shows vast knowledge of the researcher C. Helps those interested in further research D. All the above	1	Understanding K2	CO2
18	The research is always A. Exploring new knowledge B. Verifying the old knowledge C. Filling the gap between knowledge D. All of these	1	Understanding K2	CO2
19	Which of the following is not covered under Intellectual Property Rights? A. Copyrights B. Patents C. Trade Marks D. Thesaurus	1	Understanding K2	CO3
20	What is a patent? A. Exclusive rights granted to an inventor to protect their invention B. Permission to manufacture and sell a product without restrictions C. A contract between two parties for the use of intellectual property. D. A government subsidy for research and development projects	1	Understanding K2	CO3

Signature of Staff-Incharge   Head of the Department

K.S. SCHOOL OF ENGINEERING AND MANAGEMENT BANGALORE - 560109
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

SESSION: 2023-2024 (ODD SEMESTER)
QUIZ ASSESMENT- ACTIVITY BASED

A

Degree	:	B.E	
Branch	:	CSE	
Course Title	:	Research Methodology and Intellectual Property Rights.	
Duration	:	60 Minutes	

Semester	:	V
Course Code	:	21RMI56
Date	:	06-02-2024
Max Marks	:	20

Solutions For Quiz Questions

Note- Tick the correct option.

SL.NO.	A	B	C	D
1			✓	
2				✓
3			✓	
4				✓
5				✓
6			✓	
7			✓	
8				✓
9				✓
10	✓			
11		✓		
12			✓	
13			✓	
14			✓	
15	✓			
16				✓
17			✓	
18				✓
19				✓
20		✓		

Total Marks Obtained: 20M

Signature of the Staff-Incharge

SESSION: 2023-2024 (ODD SEMESTER)
QUIZ ASSESMENT- ACTIVITY BASED

B

Degree	:	B.E	
Branch	:	CSE	
Course Title	:	Research Methodology and Intellectual Property Rights.	
Duration	:	60 Minutes	

Semester : V
Course Code : 21RMI56
Date : 06-03-2024

Max Marks : 20

Solutions For Quiz Questions

Note- Tick the correct option.

SL.NO.	A	B	C	D
1				✓
2			✓	
3				✓
4				✓
5		✓		
6		✓		
7			✓	
8			✓	
9			✓	
10	✓			
11			✓	
12			✓	
13				✓
14				✓
15	✓			
16			✓	
17				✓
18			✓	
19				✓
20				✓

Total Marks Obtained: 20M

Signature of the Staff-Incharge

SESSION: 2023-2024 (ODD SEMESTER)
QUIZ ASSESMENT- ACTIVITY BASED

C

Degree	:	B.E		Semester	:	V
Branch	:	CSE		Course Code	:	21RMI56
Course Title	:	Research Methodology and Intellectual Property Rights.		Date	:	06-03-2024
Duration	:	60 Minutes		Max Marks	:	20

Solutions For Quiz Questions

Note- Tick the correct option.

SL.NO.	A	B	C	D
1			✓	
2			✓	
3				✓
4				✓
5	✓			
6				✓
7			✓	
8				✓
9				✓
10		✓		
11			✓	
12				✓
13			✓	
14				✓
15				✓
16		✓		
17			✓	
18			✓	
19			✓	
20	✓			

Total Marks Obtained: 20 M

Signature of the Staff-Incharge

SESSION: 2023-2024 (ODD SEMESTER)
QUIZ ASSESMENT- ACTIVITY BASED

| D |

Degree	:	B.E
Branch	:	CSE
Course Title	:	Research Methodology and Intellectual Property Rights.
Duration	:	60 Minutes

Semester	:	V
Course Code	:	21RMI56
Date	:	06-03-2024
Max Marks	:	20

Solutions For Quiz Questions

Note- Tick the correct option.

SL.NO.	A	B	C	D
1		✓		
2			✓	
3			✓	
4			✓	
5	✓			
6			✓	
7				✓
8			✓	
9				✓
10				✓
11				✓
12			✓	
13				✓
14				✓
15		✓		
16			✓	
17			✓	
18				✓
19				✓
20	✓			

Total Marks Obtained: 20M

Signature of the Staff-Incharge

USN

Degree	:	B.E		
Branch	:	Computer Science & Engineering	Semester :	V
Course Title	:	Research methodology & intellectual property rights	Course Code :	21RMI56
Duration	:	60 minutes	Date :	04/01/2024

Max Marks : 20

Note: Answer ONE full question from each part.

Q No.	Question	Marks	K-Level	CO mapping
	PART-A			
1(a)	Define research? List objectives of engineering research.	5	Understanding K2	CO1
(b)	Outline the steps involved in solving a research problem.	5	Understanding K2	CO1
	OR			
2(a)	Explain research lifecycle and ways of developing and accessing knowledge with a neat diagram.	5	Understanding K2	CO1
(b)	Summarize ethics in engineering research.	5	Understanding K2	CO1
	PART-B			
3(a)	List and Discuss various types of research misconduct.	5	Understanding K2	CO1
(b)	Define Literature Review and Explain in detail new and existing knowledge.	5	Understanding K2	CO2
	OR			
4(a)	Describe ethical issues related to authorship.	5	Understanding K2	CO1
(b)	Discuss 1) Web of science 2) Google and Google scholar	5	Understanding K2	CO2

Course Incharge

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Department of Computer Science Engineering
K.S School of Engineering & Management
Bangalore-560109

IQAC- Coordinator

Principal

Dr. K. RAMA NARASIMHA
Principal/Director
K S School of Engineering and Management
Bengaluru - 560 109

USN [ ][ ][ ][ ][ ][ ][ ][ ][ ][ ]

Degree	:	B.E	Semester : V
Branch	:	Computer Science & Engineering	Course Code : 21RM156
Course Title	:	Research methodology & intellectual property rights	Date : 04/01/24
Duration	:	60 Minutes	Max Marks : 20

Note: Answer ONE full question from each part.

Q No.	Question	Marks	K-Level	CO mapping
	PART-A			
1(a)	Outline the different steps involved in finding and solving Worthwhile problem.	5	Understanding K2	CO1
(b)	Discuss motivation in engineering research in detail.	5	Understanding K2	CO1
2(a)	Define research? Discuss objectives of engineering research.	5	Understanding K2	CO1
(b)	Explain different types of engineering research.	5	Understanding K2	CO1
	PART-B			
3(a)	Intrepret the following 1) Ethical issues related to authorship. 2) Ethics in Engineering Research Practice.	5	Understanding K2	CO1
(b)	List and Discuss various basic search operators for improved results in detail.	5	Understanding K2	CO2
4(a)	Explain research lifecycle and ways of developing and accessing knowledge with a neat diagram.	5	Understanding K2	CO1
(b)	Explain how researcher should analyze the relevant information and synthesis with steps and table in detail.	5	Understanding K2	CO2

Course Incharge   HOD   IQAC Coordinator   Principal

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K.S School of Engineering & Management
Bangalore-560103

Dr. K. RAMA NARASIMHA
Principal/Director
K S School of Engineering and Manager
Bengaluru - 560 109

Degree	:	B.E	**USN**	
Branch	:	Computer Science & Engineering	Semester : V	
Course Title	:	Research methodology & Intellectual Property Rights	Course Code : 21RMI56	
Duration	:	60 Minutes	Date : 09/02/2024	
			Max Marks : 20	

Note: Answer ONE full question from each part.

Q No.	Question	Marks	K-Level	CO mapping
	PART-A			
1(a)	Describe various strategies for reading a research paper and discuss its importance.	5	Understanding K2	CO2
(b)	Explain patent. Discuss the conditions for obtaining a patent protection and types of patent infringements.	5	Understanding K2	CO3
	OR			
2(a)	Define conceptualizing research and Explain in detail critical and creative reading.	5	Understanding K2	CO2
(b)	Summarize IP and IPR and branches of IP. Discuss Origin of IP and role of IP in the Economic and Cultural Development of the Society.	5	Understanding K2	CO3
	PART-B			
3(a)	Outline the following 1. Taking notes while reading. 2. Reading Mathematics and algorithms. 3. Reading datasheet.	5	Understanding K2	CO2
(b)	Discuss the following 1. IP Governance. 2. IP as a Global Indicator of Innovation.	5	Understanding K2	CO3
	OR			
4(a)	Generalize the concept of knowledge flow through citation.	5	Understanding K2	CO2
(b)	Discuss the inventions eligible for patenting and not eligible for patenting.	5	Understanding K2	CO3

Course Incharge

HOD
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			USN											

Degree	:	B.E	Semester : V
Branch	:	Computer Science & Engineering	Course Code : 21RMI56
Course Title	:	Research methodology & Intellectual Property Rights	Date : 09/02/24
Duration	:	60 Minutes	Max Marks : 20

Note: Answer ONE full question from each part.

Q No.	Question	Marks	K-Level	CO mapping
	PART-A			
1(a)	**Discuss** the important rules and conventions in academic writing.	5	Understanding K2	CO2
(b)	**Describe** two types of patent application forms with their template and draw the flowchart for the process of filing a patent application.	5	Understanding K2	CO3
2(a)	**Generalize** the concept of knowledge flow through citation.	5	Understanding K2	CO2
(b)	**List** major laws and acts pertaining to IPR. 1. Patent 2. Geographical Indications 3. Biological Diversity	5	Understanding K2	CO3
	PART-B			
3(a)	**Explain** citing datasets and various styles for citations. **Discuss** various functions and attributes of citations	5	Understanding K2	CO2
(b)	**Define** the process of patenting with suitable flowchart.	5	Understanding K2	CO3
4(a)	**Outline** the impact 1. Title and keyword on citations. 2. Acknowledge and attributes in detail.	5	Understanding K2	CO2
(b)	**List** some of the important patent application forms. **Explain** different types of patent applications.	5	Understanding K2	CO3

Course Incharge

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USN | | | | | | | | | | |

Degree	:	B.E		
Branch	:	Computer Science & Engineering	Semester	: V
Course Title	:	Research methodology & intellectual property rights	Course Code	: 21RMI56
			Date	: 14/03/2024
Duration	:	60 Minutes	Max Marks	: 20

Note: Answer ONE full question from each part.

Q No.	Question	Marks	K-Level	CO mapping
	PART-A			
1(a)	Define copyrights and Discuss classes of copyrights, criteria for copyright.	5	Understanding K2	CO4
(b)	Describe characteristics of industrial design and acts and laws to govern industrial designs.	5	Understanding K2	CO5
	OR			
2(a)	Discuss 1. Copyright symbol and validity of copyright. 2. List the acts and laws pertaining to copyrights and validity of trademark.	5	Understanding K2	CO4
(b)	Define industrial design and explain eligibility criteria for industrial design.	5	Understanding K2	CO5
	PART-B			
3(a)	Outline the flowchart for the process of copyright registration in detail.	5	Understanding K2	CO4
(b)	Summarize the following 1. Enforcement of GI Rights. 2. Documents Required for GI Registration.	5	Understanding K2	CO5
	OR			
4(a)	Generalize the following 1. Ownership of copyright 2. Copyrights of the author 3. Copyright infringements and Copyright infringement is a criminal offence	5	Understanding K2	CO4
(b)	Explain designs registration trend in India with suitable diagram.	5	Understanding K2	CO5

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USN

Degree	:	B.E	Semester	:	V
Branch	:	Computer Science & Engineering	Course Code	:	21RMI56
Course Title	:	Research methodology & intellectual property rights	Date	:	14/03/2024
Duration	:	60 Minutes	Max Marks	:	20

Note: Answer ONE full question from each part.

No.	Question	Marks	K-Level	CO mapping
	PART-A			
1(a)	Explain copyright profile in India and its various copyright cases.	5	Understanding K2	CO4
(b)	Discuss identification of registered GI and classes of GI.	5	Understanding K2	CO5
	OR			
2(a)	Generalize the following 1. Copyright and the word publish and transfer of copyrights to a publisher. 2. Copyrights and internet. 3. Non-copyright work.	5	Understanding K2	CO4
(b)	List and explain important application forms related to GI.	5	Understanding K2	CO5
	PART-A			
3(a)	Define trademark and discuss its eligibility criteria.	5	Understanding K2	CO4
(b)	Outline the procedure for registration of GI and flowchart for the process of GI registration.	5	Understanding K2	CO5
	OR			
4(a)	List types of trademarks registered in India and advantages of registration of a trademark and some of the examples of trademark.	5	Understanding K2	CO4
(b)	Describe GI ecosystem in India with suitable diagram.	5	Understanding K2	CO5

Course Incharge

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Bangalore 560109

IQAC- Coordinator

Dr. K. RAMA NARASIMHA
Principal/Director
K S School of Engineering and Managemen
Bengaluru - 560 109

Fifth Semester B.E. Degree Examination, Dec.2023/Jan.2024
Research Methodology & Intellectual Property Rights

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions, choosing ONE full question from each module.

Module-1

1 a. What is Engineering Research? What are the primary objectives of conducting research in engineering? **(10 Marks)**
   b. What are the various types of engineering research? Explain. **(10 Marks)**

OR

2 a. Explain Fabrication, Falsification and Plagiarism related to Engineering research. **(10 Marks)**
   b. What ethical considerations and responsibilities should be taken into account when determining authorship in Engineering research? **(10 Marks)**

Module-2

3 a. How do researchers distinguish between new and existing knowledge during a literature review? **(10 Marks)**
   b. How can researchers effectively use search engines to find relevant literature in their fields? **(10 Marks)**

OR

4 a. What challenges do researchers commonly face when reading mathematical content or algorithm? **(10 Marks)**
   b. What is impact of Title and Keywords on Citations? Explain Citation based knowledge flow. **(10 Marks)**

Module-3

5 a. What is definition of Intellectual Property (IP)? In what way does Intellectual Property contribute to economic growth and cultural development in a society? **(10 Marks)**
   b. Discuss the history of Intellectual property in India. **(10 Marks)**

OR

6 a. Explain the step by step process of obtaining a patent. From the initial idea to the grant of the patent. **(10 Marks)**
   b. What are the commonly used terms in the field of patenting and how do they contribute to effective communication in this domain. **(10 Marks)**

Module-4

7 a. Explain the criteria that an original work must meet to quality for copyright protection. **(10 Marks)**
   b. Explain the process of copyright registration? What are the benefits for the copy right holders? **(10 Marks)**

OR

8 a. Explain the process of Trademark registration. (10 Marks)
   b. Explain the classification system for trademarks and its role in categorizing different types of marks. (10 Marks)

Module-5

9 a. Explain the process of Industrial design registration. (10 Marks)
   b. Explain the famous case law between Apple Inc Vs Samsung Electronics Co. related with Industrial Design rights. (10 Marks)

OR

10 a. Which specific acts, laws and rules govern geographical indications in India? Give some examples of well known geographical indications registered in India. (10 Marks)
   b. How would you describe the overall ecosystem and significance of geographical indications in India? (10 Marks)

* * * * *

K S SCHOOL OF ENGINEERING AND MANAGEMENT, BENGALURU-560 109
DEPARTMENT OF COMPUTER SCIENCE & ENGG.
2023-24 ODD SEMSTER V SEM B SEC IA-1 Remedial Classes

Sl. No.	USN	STUDENT NAME	RMIPR 21RMI56 Mrs.Meena G	Student signature
1	1KG21CS066	MEGHANA G	9	
2	1KG21CS067	MOHITH KUMAR Y V	9	
6	1KG21CS069	NAMITH U	AB	
3	1KG21CS070	NANDANA M	8	
4	1KG21CS071	NANNURU JASWANTH	5	
5	1KG21CS073	NAVEENKANTH S	8	
6	1KG21CS074	NEHA U	6	
7	1KG21CS076	NIKITHA N M	8	
8	1KG21CS078	NITHIN B	8	
9	1KG21CS079	NITHIN NAIDU S P	1	
10	1KG21CS080	P HEMANTH KUMAR	7	
11	1KG21CS082	PATIL ADESH WAMANRAO	AB	
12	1KG21CS087	PRERANA B	AB	
13	1KG21CS088	R H HEMANTH KUMAR	9	
14	1KG21CS089	RACHANA R	9	
15	1KG21CS091	RAMU T N	5	
16	1KG21CS092	REKHA RATHOD	8	
17	1KG21CS094	S SAI KIRAN	AB	
18	1KG21CS097	SAHIL CHALWA	AB	
19	1KG21CS098	SAIRAMA NAIDU MALLARAPU	5	
20	1KG21CS099	SANJANA S VASISTA	6	
21	1KG21CS100	SANJANA U REVANKAR	9	
22	1KG21CS101	SHARMILA K P	8	
23	1KG21CS103	SIRISHA M	7	
24	1KG21CS104	SIRISHA T	8	
25	1KG21CS106	SUDARSHAN S KAKALWAR	AB	
26	1KG21CS110	T CHAITANYA KRISHNA	AB	
27	1KG21CS112	TATHI REDDY GIRIDHAR REDDY	7	
28	1KG21CS113	UDAY L	9	
29	1KG21CS114	VAIBHAV ES	8	
30	1KG21CS116	VAMSHI KRISHNA R	9	
31	1KG21CS117	VARSHA K R	9	
32	1KG21CS120	VINEETHA N	9	
33	1KG21CS124	YASHWANTH SAIBABA H	AB	
34	1KG22CS406	KIRAN KUMAR. N	AB	
35	1KG22CS407	MANOJ M K	5	
36	1KG22CS408	NABEEL BAIG	AB	
37	1KG22CS410	RAKESH M	AB	
38	1KG22CS411	SHASHANK D D	9	

Faculty Incharge

HOD

K S SCHOOL OF ENGINEERING AND MANAGEMENT, BENGALURU-560 109
DEPARTMENT OF COMPUTER SCIENCE & ENGG.
2023-24 ODD SEMSTER V SEM B SEC IA-2 Remedial Classes

Sl. No.	USN	STUDENT NAME	RMIPR 21RMI56 Mrs.Meena G	Student signature
1	IKG21CS066	MEGHANA G	7	
2	IKG21CS071	NANNURU JASWANTH	5	
3	IKG21CS076	NIKITHA N M	9	
4	IKG21CS079	NITHIN NAIDU S P	2	
5	IKG21CS080	P HEMANTH KUMAR	7	
6	IKG21CS082	PATIL ADESH WAMANRAO	4	
7	IKG21CS083	PAVAN R	9	
8	IKG21CS085	PRAKRIT R ARITAS	9	
9	IKG21CS087	PRERANA B	5	
10	IKG21CS088	R H HEMANTH KUMAR	6	
11	IKG21CS089	RACHANA R	7	
12	IKG21CS090	RAMKI G K L	8	
13	IKG21CS091	RAMU T N	8	
14	IKG21CS094	S SAI KIRAN	1	
15	IKG21CS095	SAGAR B	8	
16	IKG21CS096	SAHEBAGOUD MALLAPPA	6	
17	IKG21CS098	SAIRAMA NAIDU MALLARAPU	5	
18	IKG21CS099	SANJANA S VASISTA	7	
19	IKG21CS100	SANJANA U REVANKAR	9	
20	IKG21CS101	SHARMILA K P	7	
21	IKG21CS103	SIRISHA M	9	
22	IKG21CS104	SIRISHA T	7	
23	IKG21CS110	T CHAITANYA KRISHNA	3	
24	IKG21CS111	TANISH JAIN	5	
25	IKG21CS112	TATHI REDDY GIRIDHAR REDDY	6	
26	IKG21CS116	VAMSHI KRISHNA R	5	
27	IKG21CS117	VARSHA K R	7	
28	IKG21CS120	VINEETHA N	6	
29	IKG21CS121	VINUTHA C M	6	
30	IKG21CS123	YASHU V D	4	
31	IKG21CS124	YASHWANTH SAIBABA H	6	
32	IKG21CS125	YASHWIN KUMAR R	1	
33	IKG21CS126	YUVARAJ S	3	
34	IKG22CS406	KIRAN KUMAR. N	8	
35	IKG22CS408	NABEEL BAIG	1	
36	IKG22CS410	RAKESH M	6	
37	IKG22CS411	SHASHANK D D	3	

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K.S. SCHOOL OF ENGINEERING AND MANAGEMENT, BANGALORE
Department of Computer Science and Engineering

YEAR / SEMESTER	III /V B
COURSE TITLE	RM&IPR
COURSE CODE	21RIMP56
ACADEMIC YEAR	2023-2024

Sl. NO.	USN	NAME	IA1	IA2	IA3	IMP	A1	A2	IA Total (60 M)	ASSN Total (20 M)	Quiz (20 M)	G TOTAL (100 M)	Scale Down 50 M	Signature
37	IKG21CS100	SANJANA U REVANKAR	9	9	19		10	10	37	20	19	76	38	
38	IKG21CS101	SHARMILA K P	8	7	17		10	10	32	20	19	71	36	
39	IKG21CS102	SINCHANA S	15	0	20		10	10	35	20	20	75	38	
40	IKG21CS103	SIRISHA M	7	9	17		10	10	33	20	20	73	37	
41	IKG21CS104	SIRISHA T	8	7	19		10	10	34	20	17	71	36	
42	IKG21CS106	SUDARSHAN S KAKALWAR	0	11	19		10	10	30	20	15	65	33	
43	IKG21CS108	SURAVI H U	18	19	20		10	10	57	20	20	97	49	
44	IKG21CS109	SWATHI S	10	12	17		10	10	39	20	20	79	40	
45	IKG21CS110	T CHAITANYA KRISHNA	0	3	6		10	10	9	20	20	49	25	
46	IKG21CS111	TANISH JAIN	12	5	18		10	10	35	20	0	55	28	
47	IKG21CS112	TATHI REDDY GIRIDHAR REDDY	7	6	6		10	10	19	20	15	54	27	
48	IKG21CS113	UDAY L	9	0	14		10	10	23	20	14	57	29	
49	IKG21CS114	VAIBHAV ES	8	0	16		10	10	24	20	17	61	31	
50	IKG21CS115	VAISHNAVI U KULKARNI	18	12	20		10	10	50	20	20	90	45	
51	IKG21CS116	VAMSHI KRISHNA R	9	5	17		10	10	31	20	14	65	33	
52	IKG21CS117	VARSHA K R	9	7	12		10	10	28	20	18	66	33	
53	IKG21CS118	VEEKSHITH V	15	0	16		10	10	31	20	20	71	36	
54	IKG21CS119	VINAY M	14	11	0		10	10	25	20	20	65	33	
55	IKG21CS120	VINEETHA N	10	6	18		10	10	34	20	20	74	37	
56	IKG21CS121	VINUTHA C M	16	6	17		10	10	39	20	17	76	38	
57	IKG21CS122	VISHWAS K R	13	0	10		10	10	23	20	18	61	31	
58	IKG21CS123	YASHU V D	11	4	19		10	10	34	20	18	72	36	
59	IKG21CS124	YASHWANTH SAIBABA H	0	6	13		10	10	19	20	20	59	30	
60	IKG21CS125	YASHWIN KUMAR R	13	1	19		10	10	33	20	20	73	37	
61	IKG21CS126	YUVARAJ S	11	3	10		10	10	24	20	19	63	32	
62	IKG22CS406	KIRAN KUMAR. N	0	8	5		10	10	13	20	20	53	27	
63	IKG22CS407	MANOJ M K	5	0	6		10	10	11	20	20	51	26	
64	IKG22CS408	NABEEL BAIG	0	1	19		10	10	20	20	20	60	30	
65	IKG22CS409	RAKESH K S	14	13	19		10	10	46	20	20	86	43	
66	IKG22CS410	RAKESH M	0	6	16		10	10	22	20	20	62	31	
67	IKG22CS411	SHASHANK D D	9	3	19		10	10	31	20	20	71	36	

Teacher

HOD

K.S. SCHOOL OF ENGINEERING AND MANAGEMENT, BANGALORE
Department of Computer Science and Engineering

YEAR / SEMESTER	III /V B
COURSE TITLE	RM&IPR
COURSE CODE	21RIMP56
ACADEMIC YEAR	2023-2024

SI. NO.	USN	NAME	IA1	IA2	IA3	IMP	A1	A2	IA Total (60 M)	ASSN Total (20 M)	Quiz (20 M)	G TOTAL (100 M)	Scale Down 50 M	Signature
1	IKG21CS064	MANASVI K M	15	18	20		10	10	53	20	20	93	47	Manave
2	IKG21CS065	MANYA R	12	12	11		10	10	35	20	14	69	35	
3	IKG21CS066	MEGHANA G	9	7	14		10	10	30	20	6	56	28	
4	IKG21CS067	MOHITH KUMAR Y V	9	12	18		10	10	39	20	20	79	40	
5	IKG21CS068	MYTHRI Y	18	16	20		10	10	54	20	19	93	47	
6	IKG21CS069	NAMITH U	0	0	15		10	10	15	20	12	47	24	
7	IKG21CS070	NANDANA M	8	12	12		10	10	32	20	20	72	36	
8	IKG21CS071	NANNURU JASWANTH	5	5	6		10	10	16	20	19	55	28	
9	IKG21CS072	NAVACHANDU N	11	16	20		10	10	47	20	20	87	44	
10	IKG21CS073	NAVEENKANTH S	8	11	10		10	10	29	20	19	68	34	
11	IKG21CS074	NEHA U	6	12	20		10	10	38	20	20	78	39	
12	IKG21CS075	NIKITHA L	10	14	19		10	10	43	20	20	83	42	Nikitha.L
13	IKG21CS076	NIKITHA N M	8	9	17		10	10	34	20	20	74	37	
14	IKG21CS077	NILESH RAJAN	17	11	18		10	10	46	20	20	86	43	
15	IKG21CS078	NITHIN B	8	0	8		10	10	16	20	19	55	28	
16	IKG21CS079	NITHIN NAIDU S P	1	2	05	10	10	10	13	20	10	43	22	
17	IKG21CS080	P HEMANTH KUMAR	7	7	9		10	10	23	20	19	62	31	
18	IKG21CS081	PACHA BHARADWAZ	11	10	17		10	10	38	20	20	78	39	
19	IKG21CS082	PATIL ADESH WAMANRAO	0	4	12	08	10	10	12	20	15	47	24	
20	IKG21CS083	PAVAN R	16	9	18		10	10	43	20	20	83	42	
21	IKG21CS084	POSINA LIKHITHA	12	11	19		10	10	42	20	20	82	41	
22	IKG21CS085	PRAKRIT R ARITAS	13	9	19		10	10	41	20	19	89	40	
23	IKG21CS086	PRANAVA S BHAT	13	13	16		10	10	42	20	19	81	41	
24	IKG21CS087	PRERANA B	0	5	15		10	10	20	20	20	60	30	
25	IKG21CS088	R H HEMANTH KUMAR	9	6	17		10	10	32	20	20	72	36	
26	IKG21CS089	RACHANA R	9	7	17		10	10	33	20	20	73	37	
27	IKG21CS090	RAMKI G K L	11	8	17		10	10	36	20	19	75	38	
28	IKG21CS091	RAMU T N	10	8	11		10	10	29	20	19	68	34	
29	IKG21CS092	REKHA RATHOD	8	0	9		10	10	17	20	20	57	29	
30	IKG21CS093	ROHIT L	15	0	19		10	10	34	20	20	74	37	
31	IKG21CS094	S SAI KIRAN	0	1	18	08	10	10	9	20	19	48	24	
32	IKG21CS095	SAGAR B	11	10	20		10	10	41	20	19	80	40	
33	IKG21CS096	SAHEBAGOUD MALLAPPA DANAGOND	13	6	20		10	10	39	20	19	78	39	
34	IKG21CS097	SAHIL CHALWA	0	1	14		10	10	15	20	11	46	23	
35	IKG21CS098	SAIRAMA NAIDU MALLARAPU	5	5	12		10	10	22	20	18	60	30	
36	IKG21CS099	SANJANA S VASISTA	6	7	17		10	10	30	20	19	69	35	

K.S. SCHOOL OF ENGINEERING AND MANAGEMENT, BANGALORE
Department of Computer Science and Engineering

YEAR / SEMESTER	III /V B
COURSE TITLE	RM & IPR
COURSE CODE	21 RIMP56
ACADEMIC YEAR	2023-2024

Sl. NO.	USN	NAME	IA1	IA2	ASGN	Signature
1	1KG21CS064	MANASVI K M	10	10	20	Manasvi
2	1KG21CS065	MANYA R	10	10	20	
3	1KG21CS066	MEGHANA G	10	10	20	
4	1KG21CS067	MOHITH KUMAR Y V	10	10	20	
5	1KG21CS068	MYTHRI Y	10	10	20	
6	1KG21CS069	NAMITH U	10	10	20	Mythri Y
7	1KG21CS070	NANDANA M	10	10	20	Namith U
8	1KG21CS071	NANNURU JASWANTH	10	10	20	
9	1KG21CS072	NAVACHANDU N	10	10	20	Jaswanth
10	1KG21CS073	NAVEENKANTH S	10	10	20	Navachandu N
11	1KG21CS074	NEHA U	10	10	20	
12	1KG21CS075	NIKITHA L	10	10	20	
13	1KG21CS076	NIKITHA N M	10	10	20	Nikitha L
14	1KG21CS077	NILESH RAJAN	10	10	20	Nikitha
15	1KG21CS078	NITHIN B	10	10	20	
16	1KG21CS079	NITHIN NAIDU S P	10	10	20	
17	1KG21CS080	P HEMANTH KUMAR	10	10	20	
18	1KG21CS081	PACHA BHARADWAZ	10	10	20	
19	1KG21CS082	PATIL ADESH WAMANRAO	M	10	20	
20	1KG21CS083	PAVAN R	10	10	20	Awhort
21	1KG21CS084	POSINA LIKHITHA	10	10	20	Pavan R
22	1KG21CS085	PRAKRIT R ARITAS	10	10	20	Likhitha
23	1KG21CS086	PRANAVA S BHAT	10	10	20	
24	1KG21CS087	PRERANA B	10	10	20	
25	1KG21CS088	R H HEMANTH KUMAR	10	10	20	
26	1KG21CS089	RACHANA R	10	10	20	
27	1KG21CS090	RAMKI G K L				
28	1KG21CS091	RAMU T N				
29	1KG21CS092	REKHA RATHOD				
30	1KG21CS093	ROHIT L				
31	1KG21CS094	S SAI KIRAN				
32	1KG21CS095	SAGAR B				
33	1KG21CS096	SAHEBAGOUD MALLAPPA DANAGOND				
34	1KG21CS097	SAHIL CHALWA				
35	1KG21CS098	SAIRAMA NAIDU MALLARAPU				
36	1KG21CS099	SANJANA S VASISTA				
37	1KG21CS100	SANJANA U REVANKAR				
38	1KG21CS101	SHARMILA K P				Sanjan.U.R
39	1KG21CS102	SINCHANA S				
40	1KG21CS103	SIRISHA M				
41	1KG21CS104	SIRISHA T				
42	1KG21CS106	SUDARSHAN S KAKALWAR				
43	1KG21CS108	SURAVI H U				
44	1KG21CS109	SWATHI S				Swathi

K.S. SCHOOL OF ENGINEERING AND MANAGEMENT, BANGALORE

Department of Computer Science and Engineering

YEAR / SEMESTER	III /V B
COURSE TITLE	RM & T PR
COURSE CODE	21 RIMP56
ACADEMIC YEAR	2023-2024

SI. NO.	USN	NAME	IA1	IA2	ASGN	Signature
45	1KG21CS110	T CHAITANYA KRISHNA	10	10	20	
46	1KG21CS111	TANISH JAIN	10	10	20	
47	1KG21CS112	TATHI REDDY GIRIDHAR REDDY	10	10	20	T.Giridhar
48	1KG21CS113	UDAY L	10	10	20	
49	1KG21CS114	VAIBHAV ES	10	10	20	
50	1KG21CS115	VAISHNAVI U KULKARNI	10	10	20	Vaishnavi
51	1KG21CS116	VAMSHI KRISHNA R	10	10	20	Vamsh
52	1KG21CS117	VARSHA K R	10	10	20	
53	1KG21CS118	VEEKSHITH V	10	10	20	
54	1KG21CS119	VINAY M	10	10	20	Vinay
55	1KG21CS120	VINEETHA N	10	10	20	Vin-N
56	1KG21CS121	VINUTHA C M	10	10	20	
57	1KG21CS122	VISHWAS K R	10	10	20	
58	1KG21CS123	YASHU V D	10	10	20	Yashu
59	1KG21CS124	YASHWANTH SAIBABA H	10	10	20	
60	1KG21CS125	YASHWIN KUMAR R	10	10	20	
61	1KG21CS126	YUVARAJ S	10	10	20	Yuvaraj
62	1KG22CS406	KIRAN KUMAR. N	10	10	20	Kiran Kumar
63	1KG22CS407	MANOJ M K	10	10	20	Manoj MK
64	1KG22CS408	NABEEL BAIG	10	10	20	Nabeel Baig
65	1KG22CS409	RAKESH K S	10	10	20	Rakesh.KS
66	1KG22CS410	RAKESH M	10	10	20	Rakesh-M
67	1KG22CS411	SHASHANK D D	10	10	20	

Teacher

HOD

HOD
Department of Computer Science Engineering
K.S School of Engineering & Management
Bangalore-560109

S.NO	USN	NAME	Assignment 1	Assignment 2	QUIZ Assignment 3 (20)	Total	Signature
1	1KG21CS064	MANASVI K M	10	10	20	20	Manasvi
2	1KG21CS065	MANYA R	10	10	14	10	Manya
3	1KG21CS066	MEGHANA G	10	10	06	10	Megh
4	1KG21CS067	MOHITH KUMAR Y V	10	10	20	10	Moh
5	1KG21CS068	MYTHRI V	10	10	19	10	Mythri
6	1KG21CS069	NAMITH U	10	10	12	10	Namith
7	1KG21CS070	NANDANA M	10	10	20	10	Nanan M
8	1KG21CS071	NANNURU JASWANTH	10	10	19	10	Jaswanth
9	1KG21CS072	NAVACHANDU N	10	10	20	10	
10	1KG21CS073	NAVEENKANTH S	10	10	19	10	
11	1KG21CS074	NEHA U	10	10	20	10	U·Neh
12	1KG21CS075	NIKITHA L	10	10	20	10	Nikitha L
13	1KG21CS076	NIKITHA N M	10	10	20	10	
14	1KG21CS077	NILESH RAJAN	10	10	20	10	Rajan
15	1KG21CS078	NITHIN B	10	10	19	10	
16	1KG21CS079	NITHIN NAIDU S P			10		Nithin
17	1KG21CS080	P HEMANTH KUMAR	10	10	19	10	
18	1KG21CS081	PACHA BHARADWAZ	10	10	20	10	
19	1KG21CS082	PATIL ADESH WAMANRAO			15		
20	1KG21CS083	PAVAN R	10	10	20	10	Pavan
21	1KG21CS084	PUSINA LIKHITHA	10	10	20	10	Likhitha
22	1KG21CS085	PRAKRIT R ARITAS	10	10	19	10	
23	1KG21CS086	PRANAVA S BHAT	10	10	19	10	
24	1KG21CS087	PREKANA B	05	10	20	08	
25	1KG21CS088	R H HEMANTH KUMAR	04	10	19	09	
26	1KG21CS089	RACHANA R	10	10	20	10	
27	1KG21CS090	RAMKI G K L	10	10	19	10	
28	1KG21CS091	RAMU T N	10	10	19	10	
29	1KG21CS092	REKHA RATHOD	10	10	20	10	Rekha
30	1KG21CS093	ROHIT L	10	10	20	10	
31	1KG21CS094	S SAI KIRAN			19	10	
32	1KG21CS095	SAGAR B	10	10	19	10	
33	1KG21CS096	SAHEBAGOUD MALLAPPA DANAGOND	10	10	19	10	
34	1KG21CS097	SAHIL CHALWA	0	0	Do	0	
35	1KG21CS098	SAIRAMA NAIDU MALLARAPU	10	10	18	10	
36	1KG21CS099	SANJANA S VASISTA	10	10	19	10	
37	1KG21CS100	SANJANA U REVANKAR	00	10	19	10	
38	1KG21CS101	SHARMILA K P	00	10	19	10	
39	1KG21CS102	SINCHANA S	10	10	19	10	
40	1KG21CS103	SIRISHA M	10	10	20	10	
41	1KG21CS104	SIRISHA T	10	10	20 17	10	

43	1KG21CS106	SUDARSHAN S KAKALWAR			15		BSP.
45	1KG21CS108	SURAVI H U	10	10	20	10	Suru
46	1KG21CS109	SWATHI S	10	10	20	10	duratha.S.
47	1KG21CS110	T CHAITANYA KRISHNA	10	1 0	20	09	HH
48	1KG21CS111	TANISH JAIN	07			09	Ta
49	1KG21CS112	TATHI REDDY GIRIDHAR REDDY	10	10	15	10	T.Teilthm
50	1KG21CS113	UDAY L	07	10	14	09	Uday
51	1KG21CS114	VAIBHAV ES	07	10	17	09	Vanbhau
52	1KG21CS115	VAISHNAVI U KULKARNI	10	10	20	10	Vaishnavi
53	1KG21CS116	VAMSHI KRISHNA R	10	10	14	10	Vamy
54	1KG21CS117	VARSHA K R	07	10	18	09	Varsha
55	1KG21CS118	VEEKSHITH V	10	10	20	10	
56	1KG21CS119	VINAY M	10	10	20	10	Vinay
57	1KG21CS120	VINEETHA N	08	10	20	09	
58	1KG21CS121	VINUTHA C M	10	10	17	10	
59	1KG21CS122	VISHWAS K R	10	10	18	10	
60	1KG21CS123	YASHU V D	10	08	19	10	
61	1KG21CS124	YASHWANTH SAIBABA H	10	10	20	10	
62	1KG21CS125	YASHWIN KUMAR R	10	10	20	10	
63	1KG21CS126	YUVARAJ S	10	10	19	10	
64	1KG22CS406	KIRAN KUMAR N	10	10	20	10	Kiran Kumar
65	1KG22CS407	MANOJ M K	09	10	20	10	Manoj MK
66	1KG22CS408	NABEEL BAIG	10	10	20	10	
67	1KG22CS409	RAKESH KS	10	10	20	10	
68	1KG22CS410	RAKESH M	10	10	19	10	Rakesh.M
69	1KG22CS411	SHASHANK D D	09	10	20	10	

Faculty Signature

HOD

K S SCHOOL OF ENGINEERING AND MANAGEMENT, BENGALURU-560 109

DEPARTMENT OF COMPUTER SCIENCE & ENGG.

2023-24 ODD SEMSTER V SEM B SEC IA-2 Marks

Sl. No.	USN	STUDENT NAME	Quiz	Student Signature
			20	
1	1KG21CS064	MANASVI K M	20	Manasvi
2	1KG21CS065	MANYA R	14	Manya
3	1KG21CS066	MEGHANA G	6	
4	1KG21CS067	MOHITH KUMAR Y V	20	
5	1KG21CS068	MYTHRI Y	19	Mythri-y
6	1KG21CS069	NAMITH U	AB	Namith
7	1KG21CS070	NANDANA M	20	Nandna M
8	1KG21CS071	NANNURU JASWANTH	19	Jaswanth
9	1KG21CS072	NAVACHANDU N	20	
10	1KG21CS073	NAVEENKANTH S	19	
11	1KG21CS074	NEHA U	20	U Neh
12	1KG21CS075	NIKITHA L	20	Nikitha-L
13	1KG21CS076	NIKITHA N M	20	Nikitha
14	1KG21CS077	NILESH RAJAN	20	Raj
15	1KG21CS078	NITHIN B	19	Nithin
16	1KG21CS079	NITHIN NAIDU S P	10	Nith
17	1KG21CS080	P HEMANTH KUMAR	19	
18	1KG21CS081	PACHA BHARADWAZ	20	
19	1KG21CS082	PATIL ADESH WAMANRAO	15	Adesh
20	1KG21CS083	PAVAN R	20	
21	1KG21CS084	POSINA LIKHITHA	20	Likitharp
22	1KG21CS085	PRAKRIT R ARITAS	19	
23	1KG21CS086	PRANAVA S BHAT	19	
24	1KG21CS087	PRERANA B	20	
25	1KG21CS088	R H HEMANTH KUMAR	19	
26	1KG21CS089	RACHANA R	20	
27	1KG21CS090	RAMKI G K L	19	
28	1KG21CS091	RAMU T N	19	Ramu
29	1KG21CS092	REKHA RATHOD	20	Rath
30	1KG21CS093	ROHIT L	20	Rohit
31	1KG21CS094	S SAI KIRAN	19	Sai

32	1KG21CS095	SAGAR B	19	
33	1KG21CS096	SAHEBAGOUD MALLAPPA DANAGOND	19	
34	1KG21CS097	SAHIL CHALWA	AB/11	
35	1KG21CS098	SAIRAMA NAIDU MALLARAPU	18	
36	1KG21CS099	SANJANA S VASISTA	19	
37	1KG21CS100	SANJANA U REVANKAR	19	
38	1KG21CS101	SHARMILA K P	19	
39	1KG21CS102	SINCHANA S	20	
40	1KG21CS103	SIRISHA M	20	
41	1KG21CS104	SIRISHA T	17	
42	1KG21CS106	SUDARSHAN S KAKALWAR	15	
43	1KG21CS108	SURAVI H U	20	
44	1KG21CS109	SWATHI S	20	
45	1KG21CS110	T CHAITANYA KRISHNA	20	
46	1KG21CS111	TANISH JAIN	AB	
47	1KG21CS112	TATHI REDDY GIRIDHAR REDDY	15	
48	1KG21CS113	UDAY L	14	
49	1KG21CS114	VAIBHAV ES	17	
50	1KG21CS115	VAISHNAVI U KULKARNI	20	
51	1KG21CS116	VAMSHI KRISHNA R	14	
52	1KG21CS117	VARSHA K R	18	
53	1KG21CS118	VEEKSHITH V	20	
54	1KG21CS119	VINAY M	20	
55	1KG21CS120	VINEETHA N	20	
56	1KG21CS121	VINUTHA C M	17	
57	1KG21CS122	VISHWAS K R	18	
58	1KG21CS123	YASHU V D	19	
59	1KG21CS124	YASHWANTH SAIBABA H	20	
60	1KG21CS125	YASHWIN KUMAR R	20	
61	1KG21CS126	YUVARAJ S	19	
62	1KG22CS406	KIRAN KUMAR. N	20	
63	1KG22CS407	MANOJ M K	20	
64	1KG22CS408	NABEEL BAIG	20	
65	1KG22CS409	RAKESH K S	20	
66	1KG22CS410	RAKESH M	19	
67	1KG22CS411	SHASHANK D D	20	

Class Teacher

HOD
Department of Computer Science Engineering
K.S School of Engineering & Management
Bangalore-560109

Sl. No.	USN	Name of the Student	Student Signature
1	1KG21CS064	MANASVI K M	Maraswi
2	1KG21CS065	MANYA R	Manya
3	1KG21CS066	MEGHANA G	
4	1KG21CS067	MOHITH KUMAR Y V	
5	1KG21CS068	MYTHRI Y	Mythri Y
6	1KG21CS069	NAMITH U	Namith
7	1KG21CS070	NANDANA M	Nandana M
8	1KG21CS071	NANNURU JASWANTH	Jaswanth
9	1KG21CS072	NAVACHANDU N	Navachandu
10	1KG21CS073	NAVEENKANTH S	
11	1KG21CS074	NEHA U	U.Neha
12	1KG21CS075	NIKITHA L	Nikitha.L
13	1KG21CS076	NIKITHA N M	Nikitha
14	1KG21CS077	NILESH RAJAN	Rajan
15	1KG21CS078	NITHIN B	Nithin
16	1KG21CS079	NITHIN NAIDU S P	N.M
17	1KG21CS080	P HEMANTH KUMAR	
18	1KG21CS081	PACHA BHARADWAZ	
19	1KG21CS082	PATIL ADESH WAMANRAO	Adesh
20	1KG21CS083	PAVAN R	Pavan.R
21	1KG21CS084	POSINA LIKHITHA	Likhithap
22	1KG21CS085	PRAKRIT R ARITAS	R.M
23	1KG21CS086	PRANAVA S BHAT	
24	1KG21CS087	PRERANA B	B
25	1KG21CS088	R H HEMANTH KUMAR	P.H.
26	1KG21CS089	RACHANA R	Rachana
27	1KG21CS090	RAMKI G K L	

				Signature
28	1KG21CS091	RAMU T N		
29	1KG21CS092	REKHA RATHOD		
30	1KG21CS093	ROHIT L		
31	1KG21CS094	S SAI KIRAN		
32	1KG21CS095	SAGAR B		
33	1KG21CS096	SAHEBAGOUD MALLAPPA DANAGOND		
34	1KG21CS097	SAHIL CHALWA		
35	1KG21CS098	SAIRAMA NAIDU MALLARAPU		
36	1KG21CS099	SANJANA S VASISTA		
37	1KG21CS100	SANJANA U REVANKAR		
38	1KG21CS101	SHARMILA K P		
39	1KG21CS102	SINCHANA S		
40	1KG21CS103	SIRISHA M		
41	1KG21CS104	SIRISHA T		
42	1KG21CS106	SUDARSHAN S KAKALWAR		
43	1KG21CS108	SURAVI H U		
44	1KG21CS109	SWATHI S		
45	1KG21CS110	T CHAITANYA KRISHNA		
46	1KG21CS111	TANISH JAIN		
47	1KG21CS112	TATHI REDDY GIRIDHAR REDDY		
48	1KG21CS113	UDAY L		
49	1KG21CS114	VAIBHAV ES		
50	1KG21CS115	VAISHNAVI U KULKARNI		
51	1KG21CS116	VAMSHI KRISHNA R		
52	1KG21CS117	VARSHA K R		
53	1KG21CS118	VEEKSHITH V		
54	1KG21CS119	VINAY M		
55	1KG21CS120	VINEETHA N		
56	1KG21CS121	VINUTHA C M		
57	1KG21CS122	VISHWAS K R		
58	1KG21CS123	YASHU V D		
59	1KG21CS124	YASHWANTH SAIBABA H		
60	1KG21CS125	YASHWIN KUMAR R		
61	1KG21CS126	YUVARAJ S		
62	1KG22CS406	KIRAN KUMAR. N		

63	1KG22CS407	MANOJ M K	
64	1KG22CS408	NABEEL BAIG	
65	1KG22CS409	RAKESH K S	
66	1KG22CS410	RAKESH M	
67	1KG22CS411	SHASHANK D D	
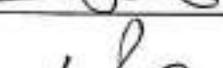
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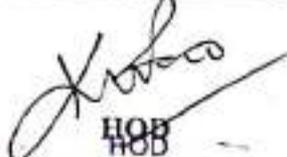
HOD
Department of Computer Science Engineering
K.S School of Engineering & Management
Bangalore-560109

K.S. SCHOOL OF ENGINEERING AND MANAGEMENT, BANGALORE

Branch : CS   Semester : 5

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2	1KG21CS002	24
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5	1KG21CS005	36
6	1KG21CS006	30
7	1KG21CS007	23
8	1KG21CS008	40
9	1KG21CS009	35
10	1KG21CS010	41
11	1KG21CS011	33
12	1KG21CS012	38
13	1KG21CS013	41
14	1KG21CS014	43
15	1KG21CS015	22
16	1KG21CS016	23
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20	1KG21CS021	41
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35	1KG21CS037	42
36	1KG21CS038	28

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112	1KG21CS117	33
113	1KG21CS118	36
114	1KG21CS119	33

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129	1KG22CS407	26
130	1KG22CS408	30
131	1KG22CS409	43
132	1KG22CS410	31
133	1KG22CS411	36

K.S. SCHOOL OF ENGINEERING AND MANAGEMENT, BENGALURU - 560109
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
Course End Survey V SEM II SEC RMIP

Timestamp	Email Address	USN	NAME	1.The course followed the syllabus prescribed by the university.	2. The course was organized in a structured manner that helped me to understand underlying concepts.	3.The course assignments/test assesses what I have learned in this course.*	4.This course has increased your level of interest on Research Methodology and IPR.	5.The course has improved my knowledge on Research Methodology and IPR Concepts.	5.This course has given you enough understanding to take up next level courses.	student signature
2-29-2024 10:56:39	kmmanasvi@gmail.com	1KG21CS064	Manasvi K M	High	High	High	Medium	Medium	Medium	
2-29-2024 10:58:18	mmanya536@gmail.com	1KG21CS065	Manya M	Medium	Medium	Medium	Medium	Medium	Medium	
2-29-2024 12:06:58	maryamegha21@gmail.com	1KG21CS066	Meghana G	High	High	High	High	High	High	
2-29-2024 10:53:15	mohithkumar667@gmail.com	1kg21cs067	Mohith Kumar Y V	High	High	High	High	High	High	
2-29-2024 11:05:41	mythri703@gmail.com	1KG21CS068	Mythri Y	High	High	High	High	High	High	
3-4-2024 19:13:15	namithumesh28@gmail.com	1kg21cs069	Namith umesh	High	High	High	High	High	High	
3-3-2024 19:24:25	nandanamurthy6203@gmail.com	1KG21CS070	Nandana M	High	High	Medium	High	High	High	
2-29-2024 11:06:01	jashwanthvannavi@gmail.com	1kg21cs071	N Jaswanth	High	High	High	High	High	High	
3-3-2024 19:26:15	nchand.2023@gmail.com	1KG21CS072	Navachandu N	High	High	High	High	High	High	
3-5-2024 19:55:25	nnivasaranga.1978@gmail.com	1KG21CS073	Naveenkarth S	High	High	High	High	High	High	
2-29-2024 13:01:53	neha.udaya31@gmail.com	1KG21CS074	Neha u	High	High	High	High	High	High	
2-29-2024 19:49:34	nikitha.lakshmana28@gmail.com	1KG21CS075	Nikitha L	High	High	High	High	High	High	
3-3-2024 19:36:43	nikithanm01@gmail.com	1KG21CS076	Nikitha NM	High	Medium	High	Medium	Medium	Medium	
3-5-2024 20:10:34	nileshtimby9115@gmail.com	1KG31CS077	Nilesh Rajon	Medium	Low	Medium	Medium	Medium	Medium	
3-3-2024 19:27:10	nithinb013@gmail.com	1KG21CS078	Nithin B	High	High	High	Medium	High	High	
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2-29-2024 11:04:00	sharadvarpacha@gmail.com	1KG21CS081	Padha Bharadwaz	High	High	High	High	High	High	
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3-4-2024 10:49:18	pavancsa1234S@gmail.com	1KG21CS083	PAVAN R	High	High	High	High	High	High	
2-29-2024 10:55:38	likhitayudhakar1s@gmail.com	1kg21cs084	Pooina likhitha	High	High	High	Medium	Medium	Medium	
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2-29-2024 19:37:37	sbhatpranava1@gmail.com	1kg21cs086	Pranava S Bhat	High	High	High	High	High	High	
3-3-2024 19:27:24	balianchhagavarana93@gmail.com	1kg21cs087	Pravana B	Medium	Medium	Medium	Medium	Medium	Medium	
2-29-2024 19:24:34	rhhemanthkumar.97@gmail.com	1KG21CS088	R H Hemanth Kumar	High	High	High	High	High	High	
3-3-2024 20:17:26	rachanaraukumar.raraich@gmail.com	1KG21CS089	Rachana R	Medium	Medium	Medium	Medium	Medium	Medium	

Timestamp	Email	USN	Name							Signature
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2-29-2024 21:22:26	ramunsgaraj15@gmail.com	1KG21CS091	Ramu T N	High	High	High	High	High	High	
2-29-2024 16:53:12	rekharathodrathod74@gmail.com	1KG21CS092	Rekha Rathod	High	High	High	High	High	High	
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3-5-2024 7:07:04	saikriz12@gmail.com	1KG21CS094	SAI KIRAN S	High	High	High	High	High	High	
3-4-2024 19:56:21	sagarb4506@gmail.com	1KG21CS095	Sagar B	High	High	High	High	High	High	
2-29-2024 11:67:01	sahebdangond17@gmail.com	1KG21CS096	Sahebgoud danagond	High	High	High	High	High	High	
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2-29-2024 11:05:29	nadunaram30@gmail.com	1KG21CS098	Sairama naidu N	High	High	High	High	High	High	
3-4-2024 11:58:40	sanjanavasista03@gmail.com	1KG21CS099	Sanjana S Vasista	Medium	Medium	Medium	Medium	Medium	Medium	
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3-5-2024 19:54:44	sinchana035@gmail.com	1kg21cs102	Sinchana s	Medium	Low	Medium	Low	Low	Medium	
2-29-2024 19:37:38	sirsham15082003@gmail.com	1KG21CS103	SIRISHA M	High	High	High	High	High	High	
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3-4-2024 15:22:30	kakalwarsudarshan2004@gmail.com	1KG21CS105	Sudarshan Kakalwar	High	High	High	High	High	High	
2-29-2024 12:36:13	hcsurevi@gmail.com	1KG21CS106	Surasi H U	High	High	High	High	High	High	
2-29-2024 16:57:15	swathisurusha25@gmail.com	1KG21CS109	Swathi S	Medium	Medium	Medium	High	High	High	
2-29-2024 11:05:41	chaitanyakrishna2003@gmail.com	1KG21CS110	T Chaitanya Krishna	High	High	High	Medium	Medium	Medium	
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2-29-2024 13:36:26	uukulkarnivaishnavi@gmail.com	1kg21cs115	Vaishnavi u Kulkarni	High	High	High	High	High	High	
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	vishwasrangopal61@gmail.com	1kg21cs122	Vishwas k r	High	High	High	Medium	High	High	
	...@gmail.com	1kg21cs123	Yashu vd	High	High	High	Medium	High	Medium	
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3-3-2024 19:21:50	rakeshgm10@gmail.com	1KG22CS409	Rakesh KS	Medium	Medium	Medium	High	Medium	Medium
5-4-2024 12:45:53	shashankgowda1144@gmail.com	1KG22CS410	Rakesh M p	High	High	High	High	High	High
		1KG22CS411	Shashank	High	High	High	High	High	Medium

1. The course followed the syllabus prescribed by the university.
17 responses

2. The course was organised in a structured manner that helped me to understand underlying concepts.
17 responses

3. The course assignments test assesses what I have learned in this course.
17 responses

4. This course has increased my level of interest in Research Methodology and IPR.
17 responses

5. The course has improved my knowledge on Research Methodology and IPR.
17 responses

6. This course has given me enough understanding to frame my thesis based on ethics.
17 responses

Faculty Incharge

HOD
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