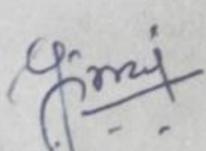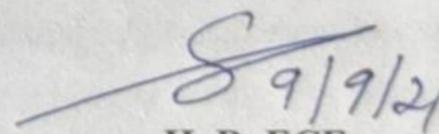# JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTRE
Department of Elevtronics & Communication Engineering

Project Planning Calendar
Session: 2020-21

S No.	Activity	Planned Date
1	Collection of Project Topics and specialization from faculties	02-03-2021
2	Formation of Project Assessment Committee and Project Coordinators	02-03-2021
3	Project Group Formation	15-03-2021
4	Guide allotment	15-03-2021
5	Submission of project registration form	16-04-2021
6	Presentation of Projects Finalization	16-04-2021
7	Presentation of Rejected Projects	17-04-2021
8	Final Project List with Approval of Project Assessment Committee	22-04-2021
9	Literature Review submission	10-05-2021
10	Project Presentation-I	24-05-2021
11	Project Presentation-II	24-06-2021
12	Project Presentation-III	26-07-2021
13	Project Report Submission	10-09-2021
14	Project H/W Submission	15-09-2021

Project Coordinator

9/9/21

HoD, ECE
Head of the Department
Electronics & Communication Engineering
JECRC Jaipur

Jaipur Engineering College & Research Centre, Jaipur

Department of Electronics & Communication Engineering

Notice

March, 10, 2021

Formation of the Groups and Project **Guide Allotment**

It is hereby informed to all the final year students of ECE, that they have to appear before the Project Committee of ECE for the guide allotment process on March, 15, 2021 9:00 AM at Project Lab.

The allotment process is as follows:

Stage 1: Formation of Groups.

- Each class section is divided in to four batches according to the student's past performance.
- This batch wise list has been shared with you.
- A group of four students is to be formed by selecting one student form each batch.
- Students will mutually discuss with each other about common interests and form their groups.
- Note: Two students from same batch cannot be in the same group in any circumstance.
- For section A, groups are named as A1, A2…. For section B, groups are named as B1, B2…and so on.

Stage 2: Selection of Supervisor.

- After group formation, each group will choose a faculty supervisor.
- A list of faculty members with their field of expertise and major project interests has been shared with you.
- Each group will select 3 choices of supervisors from the list according to their field of expertise.

The last date to lock the choices is 20 March 2021.

The detailed project guidelines are attached.

Dr. Girraj Sharma
Mr. Vikas Sharma
Project Coordinator

Head of the Department
Dr. Sandeep Vyas
Electronics & Communication Engineering
HoD-ECE
JECRC, Jaipur

	Jaipur Engineering College and Research Centre, Shri Ram ki Nangal, via Sitapura RIICO Jaipur- 302 022.	Academic year-2020-21

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JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTRE

Department of Electronics and Communication Engineering

B.Tech. Major Project Stages and Guidelines

Stage 1: Formation of Groups.

- Each class section is divided in to four batches according to the student's past performance.
- This batch wise list has been shared with you.
- A group of four students is to be formed by selecting one student form each batch.
- Students will mutually discuss with each other about common interests and form their groups.
- **Note: Two students from same batch cannot be in the same group in any circumstance.**
- For section A, groups are named as A_1, A_2…. For section B, groups are named as B_1, B_2…and so on.

Stage 2: Selection of Supervisor.

- After group formation, each group will choose a faculty supervisor.
- A list of faculty members with their field of expertise and major project interests has been shared with you.
- Each group will select 3 choices of supervisors from the list according to their field of expertise.

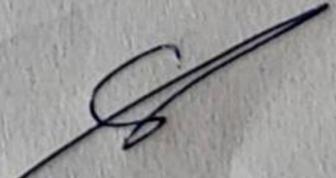## Stage 3: Assignment of Supervisor/Project guide to Each Group

- After mutual discussion with the faculty members, the project coordinators and HOD will assign the supervisor to each group.
- Students will be notified about their project supervisor by **the due date.**

Stage 4: Submission of the Synopsis Report.

- After allotment of supervisor, each group will submit a synopsis report (hard copy, duly signed by the supervisor).
- A synopsis report is a two-page report which briefly describes and outlines the proposed project idea.
- Major project proposal (synopsis) structure:

Major Project proposal should be prepared in consultation with the guide. It should clearly state the objectives and environment of the proposed project to be undertaken. Ensure to include the following items

1. Title of the project
2. Introduction and objective of the project in brief
3. Analysis (Feasibility Study etc)
4. Hardware and Software Requirement
5. Table and Structure, Number of Modules, Detail of Modules
6. Scope of future application

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Stage 5: Synopsis Presentations

- Each group will present their idea about the project in the form of a 5-minute power point presentation.
- The project coordinators and faculty members will evaluate each project according to feasibility, future applications, social impact and technological advancement
- In this assessment, if the project is approved then each student group will submit the hardcopy of the synopsis report to the project coordinator duly signed by the project supervisor.
- If the project is not approved, then you have to submit another synopsis report until the project is approved by the committee of faculties, supervisor and project coordinator.

Stage 6: Project Status Report (PSR) by Supervisor

- Each group will frequently meet with the project supervisor and describe the project status.
- The status report will be submitted in a format (attached in the appendix A) filled handwritten.
- This status report will be duly signed by the supervisor and will be attached in the final project report.
- Students are encouraged to build projects for social benefits.
- They will be encouraged to apply patent on their project and write a research paper. Project coordinators and supervisors will provide the necessary help.

Stage 7: Project Status Report (PSR) by the respective project lab faculty

- The students will attend the project lab according to the time-table and perform their project work in the lab.

Students will maintain a Project Book Record during the project Lab

1. The Project Record Book constitutes the bonafide record of project work carried out by undergraduate research students Institute.
2. The book contains day to day record of all conceptual, analytical, laboratory and computational activities carried out by a student as a part of his project.
3. It is a permanent record of academic activity and contains intellectual property created by the student and his supervisor.
4. The student should record all his thoughts, observations, flow charts, computational steps etc., directly on this notebook.
5. The student must produce this record book before all Examination Boards for evaluation and grading of his day to day performance. The first evaluation of the project will be made basing on the record book only.

- The respective project lab faculty will evaluate the performance of each student on the basis of attendance, performance and project book record and submit the assessment report to the project coordinators.

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Stage 8: Submission of the Project Report

- Each group will prepare the project report according to the guidelines (attached in appendix B)
- First, the draft copy of the report in the spiral binding will be checked by the project supervisors.
- Once the supervisor approved the report, students will submit the final project report in the hard bound.

Stage 9: Internal Assessment

- An internal major project exam will be conducted. Each student will explain his/her role in the project contribution.
- The performance of each student will be evaluated by conducting the viva-voce and quiz.
- Student will bring the draft copy of the report and their hardware project.
- The group performance will be evaluated by the demo of the project and quality of the project report.
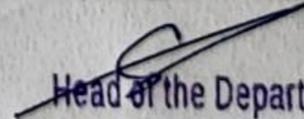
Stage 10: External Exam

- Student will bring the hardware project and hard bound report.
- External viva-voce will be conducted by external examiner
- Final evaluation will be done taking in to account the social benefits of the project, any patent applied and any research paper is presented at any conference.

Major Project Evaluation Session 2020-21

Internal Assessment Marks = 210	End Term Exam Marks = 140	Total Credit Points = 07

Stage	Concerned Authority	Week No.	Activity	Marks
1.	Project Coordinator/Faculty	I	Formation of student groups	-
2.	HOD/Project Coordinator/Faculty	I	Selection and appointment of Supervisor	-
3.	Student	II	Submission of the Synopsis Report and Synopsis Presentations	20

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4.	Project Coordinator/ Supervisor	II	Selection of projects	10
5.	Student / Supervisor	III	Submission of scope and detailed plan to supervisor	10
6.	Student	III	Survey and information collection	20
7.	Student / Supervisor	III	Purchasing of raw material, Demo to the guide	15
8.	Student/ Lab faculty	IV	Display of Model and project work in the Lab	15
9.	Student/ Lab faculty	V	Intermediate Exam by lab faculty	25
10.	Student/ Lab faculty	VI	Practical demo of the work	20
11.	Student / Supervisor	VII	Draft Report submission, verification of work	10
12.	Student / Project Coordinator	VIII	Final submission Report in hard bound	15
13.	Student /Faculty	IX	Final internal exam Viva/Quiz	50
14.	Student /External Examiner	As per date	External Exam	140

Any delay in the subsequent stage will result in deduction of marks.
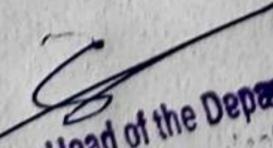
Project Coordinator(s)

Head of the Department
Electronics & Communication Engineering
JECRC, Jaipur

HOD (ECE)
Head of the Department
Electronics & Communication Engineering
JECRC, Jaipur
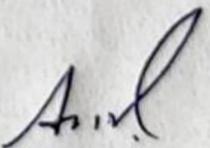
Jaipur Engineering College & Research Centre, Jaipur
Department of Electronics & Communication Engineering
Project Allotment Based on Aggregate Percentage
Session 2020-21

Section A

		SET A
1	17EJCEC006	ABHISHEK JAIN
2	17EJCEC042	ASMITA VERMA
3	17EJCEC026	ANISHA SHARMA
4	17EJCEC049	AYUSHI BANSAL
5	17EJCEC025	ANCHITA GOYAL
6	17EJCEC027	ANJALI AGARWAL
7	17EJCEC044	ATUL BANSAL
8	17EJCEC024	ANAND RAJ JAIN
9	17EJCEC059	CHESTA PORWAL
10	17EJCEC060	CHESTA SINGHAL
11	17EJCEC019	AKSHAY JAIN
12	17EJCEC050	AYUSHI RAWAT
13	17EJCEC043	ASTHA CHOUDHARY
14	17EJCEC020	AKSHAY JOSHI
15	17EJCEC006	ABHISHEK JAIN

		SET B
16	17EJCEC017	AKSHAT PAREEK
17	17EJCEC030	ANUP KUMAR
18	17EJCEC046	AVINASH KUMAR YADAV
19	17EJCEC029	ANSHUL BHANDARI

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20	17EJCEC047	AYUSH BHATIA
21	17EJCEC036	ARSHPREET SINGH DHIN
22	17EJCEC005	ABHIMANYU SINGH SHAK
23	17EJCEC033	ANUSHKA KHANDELWAL
24	17EJCEC055	CHAITANYA GOYAL
25	17EJCEC041	ASHNA AGRAWAL
26	17EJCEC002	AARYAN TIWARI
27	17EJCEC048	AYUSH JAIN
28	17EJCEC039	ARYAMAN SINGH
29	17EJCEC021	AKSHITA DADHEECH
30	17EJCEC040	ARYAN PAREEK
		SET C
31	17EJCEC018	AKSHAT SHARMA
32	17EJCEC053	BHARAT MODI
33	17EJCEC035	ARPIT GUPTA
34	17EJCEC028	ANKIT KAUSHIK
35	17EJCEC012	ADITI SHARMA
36	17EJCEC045	ATUL KUMAR
37	17EJCEC001	AARUSH SAINI
38	17EJCEC038	ARUN AGRAWAL
39	17EJCEC009	ABHISHEK SUWALKA
40	17EJCEC008	ABHISHEK SAXENA
41	17EJCEC010	ACHINTYA SIDDHA
42	17EJCEC058	CHANDAN KUMAR
43	17EJCEC051	BAIBHAV RANJAN

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44	17EJCEC034	ARJUN SHARMA
45	17EJCEC014	ADITYA DEVGAN

	SET D	
46	17EJCEC023	AMAN PANDYA
47	17EJCEC013	ADITYA
48	17EJCEC004	AAYUSH SAINI
49	17EJCEC031	ANUP KUMAR JHA
50	17EJCEC015	ADITYA JOSHI
51	17EJCEC037	ARUN AGARWAL
52	17EJCEC061	CHETAN SHARMA
53	17EJCEC003	AAYUSH KHANDELWAL
54	17EJCEC016	AKSHAT MATHUR
55	17EJCEC057	CHANDAN KUMAR
56	17EJCEC052	BHAIRA RAM PUNIYA
57	17EJCEC032	ANURAG SOGANI
58	17EJCEC056	CHANCHAL GARWAL
59	17EJCEC011	ADHYA SARAF

Section B

	SET A	
1	17EJCEC089	JAHANVI AGARWAL
2	17EJCEC114	MEGHA MITTAL
3	17EJCEC088	HIMANSHI SAINI
4	17EJCEC083	HARDIK SOGANI

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5	17EJCEC095	KARAN SINGH SOLANKI
6	17EJCEC078	GARVIT SHARMA
7	17EJCEC116	MOHIT KAUSHIK
8	17EJCEC107	MAHIMA JAIN
9	17EJCEC093	JATIN SHARMA
10	17EJCEC112	MANVI JOSHI
11	17EJCEC113	MAYANK
12	17EJCEC063	DEEKSHA SINGH
13	17EJCEC082	HARDIK GANDHI
14	17EJCEC127	NIHARIKA BANSAL
15	17EJCEC120	MUSKAN TAK
		SET B
16	17EJCEC119	MUDRIKA SHARMA
17	17EJCEC064	DEEPAK CHOUDHARY
18	17EJCEC067	DEEPESH MALHOTRA
19	17EJCEC091	JAHID KHAN
20	17EJCEC123	NAMAN PATHAK
21	17EJCEC103	KUSHAL JAIN
22	17EJCEC126	NAMAN SOGANI
23	17EJCEC092	JAISHRI SHARMA
24	17EJCEC100	KOMAL NISHA
25	17EJCEC104	LAKSHYA PANT
26	17EJCEC124	NAMAN SAXENA
27	17EJCEC072	DIVYA TINKAR

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28	17EJCEC070	DEVANG AGARWAL
29	17EJCEC118	MUDIT KHANDELWAL
30	17EJCEC111	MANSI BHARADWAJ
	SET C	
31	17EJCEC097	KHUSHBOO BHARGAVA
32	17EJCEC125	NAMAN SHARMA
33	17EJCEC073	DIVYANSH
34	17EJCEC122	NAMAN KANKARIA
35	17EJCEC068	DEEPESH MITTAL
36	17EJCEC102	KRISHNANJANA S
37	17EJCEC065	DEEPAKSHI JOSHI
38	17EJCEC086	HARSH PRATAP SINGH S
39	17EJCEC105	MADHU CHOUDHARY
40	17EJCEC094	KAILASH SINGH
41	17EJCEC069	DEPENDRA SETHIYA
42	17EJCEC098	KIRTI CHAUHAN
43	17EJCEC079	GARVIT SHARMA
44	17EJCEC081	GIRISH MISHRA
45	17EJCEC108	MANISH MANGLA
	SET D	
46	17EJCEC071	DHRUVA SHARMA
47	17EJCEC109	MANISH MEHRA
48	17EJCEC074	DIVYANSH JADON
49	17EJCEC077	GANESH GOYAL

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50	17EJCEC099	KISLAY KISHOR JHA
51	17EJCEC075	DIVYANSH SINGH
52	17EJCEC110	MANOJ GOUR
53	17EJCEC096	KHEMENDRA PRAKASH
54	17EJCEC084	HARENDER SINGH
55	17EJCEC066	DEEPANSHU GUPTA
56	17EJCEC062	DANISH KHAN
57	17EJCEC087	HARSHIT SHUBHAM
58	17EJCEC085	HARSH CHHAWAL
59	17EJCEC115	MEHUL SHARMA
60	17EJCEC121	NAMAN JAIN

Section C

	SET A	
1	17EJCEC157	RAHUL SOGANI
2	17EJCEC158	RAJAN DHAWAN
3	17EJCEC165	RICHA MISHRA
4	17EJCEC177	RUPAL SAINI
5	17EJCEC168	RISHABH KHANDELWAL
6	17EJCEC139	PRANAY KASLIWAL
7	17EJCEC162	RAKSHIT SHARMA
8	17EJCEC142	PRATEEK KUMAR
9	17EJCEC190	SHASHI SHEKHAR GAURA
10	17EJCEC160	RAJAT PUROHIT

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11	17EJCEC146	PRIYA LADDHA
12	17EJCEC161	RAKHI RAWAT
13	17EJCEC180	SAKINA SAIFY
14	17EJCEC188	SAURABH KUMAR
15	17EJCEC147	PRIYAL AGARWAL
	SET B	
16	17EJCEC141	PRANSHU SHARMA
17	17EJCEC149	PURVA BANTHIA
18	17EJCEC179	SAKET SHARMA
19	17EJCEC171	RIYA KANOONGO
20	17EJCEC143	PRATEEK KUMAR MISHRA
21	17EJCEC172	RIYA SHARMA
22	17EJCEC152	RAGHAV SINGHAL
23	17EJCEC130	NITESH RAM KISHORE M
24	17EJCEC173	ROHIT ANAND
25	17EJCEC128	NIKHIL SOMANI
26	17EJCEC187	SAURABH GHOSH
27	17EJCEC129	NISHANT PAHWA
28	17EJCEC132	NITIN NIRWAN
29	17EJCEC156	RAHUL KUMAR DUBEY
30	17EJCEC145	PRAVEEN SHARMA
	SET C	
31	17EJCEC169	RISHI RAJ SHEKHAWAT
32	17EJCEC144	PRATEEK SHARMA

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33	17EJCEC155	RAHUL BALODA
34	17EJCEC174	ROHIT JANGID
35	17EJCEC166	RINCY CHACKO KURIEN
36	17EJCEC150	PUSHPENDRA SONI
37	17EJCEC163	RAMAN GARG
38	17EJCEC151	RAGHAV DAS SINGHAL
39	17EJCEC189	SHAHID ALI
40	17EJCEC159	RAJAT MUNDRA
41	17EJCEC170	RITIK JAIN
42	17EJCEC137	PANKAJ SHARMA
43	17EJCEC148	PRIYANSHI KHANDELWAL
44	17EJCEC186	SATYAM KUMAR JHA
45	17EJCEC183	SANSKAR SHARMA
	SET D	
46	17EJCEC153	RAGHAVENDRA KUMAR TH
47	17EJCEC131	NITIN KUMAR
48	17EJCEC184	SARTHAK CHATURVEDI
49	17EJCEC175	ROHIT SHARMA
50	17EJCEC140	PRANSHU CHAURASIA
51	17EJCEC185	SARTHAK SAXENA
52	17EJCEC167	RISHABH JAIN
53	17EJCEC176	ROHITASHAV GARG
54	17EJCEC133	OJASV SHARMA
55	17EJCEC136	PANKAJ JOSHI

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56	17EJCEC164	RAVI NAGAR
57	17EJCEC138	PRACHI CHAUHAN
58	17EJCEC178	SAGAR NIGAM
59	17EJCEC135	PANKAJ JANGID

Section D

|		SET A
1	17EJCEC883	YASH GUPTA
2	17EJCEC864	TUSHAR SHARMA
3	17EJCEC879	VISHWASH KHANDAL
4	17EJCEC869	VAIBHAV MAHESHWARI
5	17EJCEC870	VARDAAN BHALLA
6	17EJCEC193	SHIVANGI SHARMA
7	17EJCEC884	YASH GUPTA
8	17EJCEC861	TANUSHI AGARWAL
9	17EJCEC860	TANUJ AGARWAL
10	17EJCEC872	VIDUSHI MANGNANI
		SET B
11	17EJCEC400	KAREENA KHAN
12	17EJCEC197	SHUBHAM MITTAL
13	17EJCEC866	UPENDRA KUMAR SHARMA
14	17EJCEC880	VIVEK PANDEY
15	17EJCEC301	SAURABH SHARMA
16	17EJCEC886	YUVRAJ SINGH BADGUJA
17	17EJCEC876	VIPUL GWALA
18	17EJCEC882	YASH DIXIT
19	17EJCEC863	TEJASWI BANSAL
20	17EJCEC195	SHUBHAM AGARWAL
		SET C
21	17EJCEC852	SHYAM SOMANI
22	17EJCEC198	SHUBHAM RATHI
23	17EJCEC867	UTSAV SHARMA
24	17EJCEC300	CHANDRA SHEKHAR VYAS
25	17EJCEC858	SURBHI KHANDELWAL
26	17EJCEC875	VIPIN AANJANA
27	17EJCEC851	SHUBHAM SHARMA
28	17EJCEC856	SPARSH MEENA
29	17EJCEC873	VINESH GUPTA
30	17EJCEC192	SHIVAM SHUKLA

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Electronics & Communication Engineering
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		Jaipur Engineering College and Research Centre, Shri Ram ki Nangal, via Sitapura RIICO Jaipur-302 022.	Academic year-2020-21

SET D		
31	17EJCEC868	VAIBHAV AGARWAL
32	17EJCEC855	SOURAV CHHIPA
33	17EJCEC302	SURYA PRATAP SINGH
34	17EJCEC194	SHIVANSH PANDYA
35	17EJCEC853	SIDDHARTH KHARRA
36	17EJCEC874	VINIT SINGH
37	17EJCEC881	YAMAN PAREEK
38	17EJCEC865	UJJWAL SHARMA
39	17EJCEC859	TANIYA JOSHI
40	18EJCEC200	RANJEET SINGH
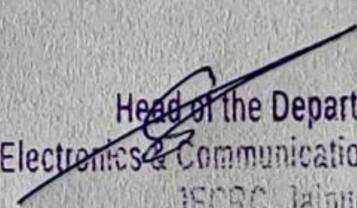
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Electronics & Communication Engineering
JECRC, Jaipur

JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTER, JAIPUR

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

List of specialization of Faculty Member for Major Project of B. Tech. Session 2020-21

S.No	Name of Faculty	Designation	Area of Expertise
1	Dr. Sandeep Vyas	Professor	Nonlinear optics
2	Dr. Shruti Kalra	Professor	Optoelectronics and VHDL
3	Dr. S. K. Singh	Professor	Machine Learning and IoT
4	Dr. S. S Manakatala	Associate professor	1. software programming in c/CPP/java 2.vlsi circuit design using VHDL, python programming
5	Dr. Parul Tyagi	Associate professor	Wireless Network
6	Ms. Ritu Vyas	Asst professor	1.wireless communication 2.Optical fiber communication
7	Mr. Vikas Sharma	Asst professor	Optical Communication/Photonic Crystal
8	Mr. Ashish Kulshrestha	Asst professor	wireless communication
9	Mr. Raj Kumar Jain	Asst professor	power system
10	Mr. Mangi Lal	Asst professor	Digital Communication
11	Mr. Honey Agarwal	Asst professor	VHDL
12	Mr. Jitendra Sharma	Asst professor	wireless communication
13	Mr. Rakesh Kardam	Asst professor	digital communication
14	Mr. Devendra Sharma	Asst professor	POWER SYSTEM
15	Mr. Naresh Kumar	Asst professor	wireless and computer networks & Cyber security
16	Mr. Ankur Gangwar	Asst professor	Communication systems and networks
17	Mr. Lokesh Kumar Sharma	Asst professor	microcontroller
18	Mr. Bhoopesh Kumawat	Asst professor	Microcontrollers, Embedded Systems
19	Mr. Ashish Sharma	Asst professor	Signal Processing. AI, Neural Networks and Machine learning, Deep Learning
20	Mr. Deepak Shankla	Asst professor	VHDL and MATLAB
21	Ms. Yazusha Sharma	Asst professor	optical communication/pcf sensor/photonic crystal fiber
22	Ms. Ritambhara	Asst professor	VLSI Design,Signal processing, Microelectronics, AI based IC, Blockchain, IOT, CNTFETs, IOT.
23	Deepmala kulshresta	Asst professor	Digital Communication (OFDM)
24	Dr. Jaiverdhan	Associate professor	RF and Microwave Antennas, Microwave Absorber, Digital Image processing
25	Ms. Nishi Atray	Asst professor	
26	Ms.Mamta Rani	Asst professor	Digital communication
27	Jai Prakash Mishra	Asst professor	Embedded System & Microcontroller
28	Dr. Ashish Kumar	Asst professor	VLSI design, Sens...

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29	Dr. Girraj sharma	Associate professor	Wireless communication, Micorwave, Antenna design, Embedded, Machine Learning, Artificial Intelligence
30	Dr. Vinita Mathur	Associate professor	Antenna and RF
31	Dr. Ajay Yadav	Associate professor	Antenna design, RF microwave, Filter
32	Mr. Sudarshan Jain	Asst professor	Optics, Antenna design
33	Ms. Sameeksha Choudhary	Asst professor	Digital Communication, wireless sensor network
34	Ms. Bhavna Kalra	Asst professor	Antenna, Optical, Embedded

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Department of Electronics & Communication Engineering

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April, 07, 2021

Synopsis Presentation

It is hereby informed that the formation of the groups and selection of project guide has been done. A project guide has been assigned to each group. In the next stage you need to submit a synopsis report to the project guide. The guidelines to prepare the synopsis report can be found in the attached project guideline file. Please submit the softcopy of the synopsis report to your project supervisor. After this, prepare a PowerPoint presentation (maximum 10 slides) to briefly describe your project idea.

Each group will contact to their respective supervisor and give the synopsis presentation online/offline. The project supervisor will evaluate the performance and approve the project for the next stage. The last date to complete this stage is 16 April 2021. No PPTs and synopsis report will be accepted after the due date.

Dr. Girraj Sharma
Mr. Vikas Sharma
Project Coordinator
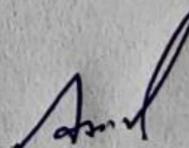
Head of the Department
Dr. Sandeep Engineering
Electronics & Comm HoD-ECE
JECRC, Jaipur

Supervisor Allotment

Section A			
Project Group No.	**Student Name**	**RTU R. No.**	**Supervisor/Project Guide**
A1	Chaitanya Goyal	17EJCEC055	Mr. Vikas Sharma
	Bharat Modi	17EJCEC053	
	Aditya Joshi	17EJCEC015	
	Ayushi Rawat	17EJCEC050	
A2	Ayushi Bansal	17EJCEC049	Dr. Shruti Kalra
	Arshpreet Singh Dhingra	17EJCEC036	
	Achintya Siddha	17EJCEC010	
	Aayush Khandelwal	17EJCEC003	
A3	Akshat Pareek	17EJCEC017	Dr. Jaiverdhan
	Aryaman Singh	17EJCEC039	
	Bhaira Ram Puniya	17EJCEC052	
	Aarush Saini	17EJCEC001	
A4	Chesta Porwal	17EJCEC059	Dr. Parul Tyagi
	Aaryan Tiwari	17EJCEC002	
	Aman Pandya	17EJCEC023	
	Aayush Saini	17EJCEC004	
A5	Astha Choudhary	17EJCEC043	Dr. Sandeep Vyas
	Baibhav Ranjan	17EJCEC051	
	Akshat Sharma	17EJCEC018	
	Chetan Sharma	17EJCEC061	
A6	Anand Raj Jain	17EJCEC024	Dr.Jaiverdhan
	Anshul Bhandari	17EJCEC029	
	Arjun Sharma	17EJCEC034	
	Anup Kumar Jha	17EJCEC031	
A7	Akshay Joshi	17EJCEC020	Dr Parul Tyagi
	Arun Agrawal	17EJCEC038	
	Aryan Pareek	17EJCEC040	
	Arun Agarwal	17EJCEC037	
A8	Abhishek Jain	17EJCEC006	Dr. Shruti Kalra
	Aditya Devgan	17EJCEC014	
	Ayush Jain	17EJCEC048	
A9	Anjali Agarwal	17EJCEC027	Dr. Sandeep Vyas
	Ashna Agarwal	17EJCEC041	
	Abhishek Saxena	17EJCEC008	
	Akshat Mathur	17EJCEC016	

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302 022.

Academic year-2020-21

Project Group No.	Student Name	RTU R. No.	Project Guide/ Supervisor
A10	Asmita Verma	17EJCEC042	Mr. Bhoopesh Kumawat
	Atul Kumar	17EJCEC045	
	Avinash Kumar Yadav	17EJCEC046	
	Chanchal Gharwal	17EJCEC056	
A11	Anisha Sharma	17EJCEC026	Mr. Lokesh Kumar Sharma
	Anushka Khandelwal	17EJCEC033	
	Aditi Sharma	17EJCEC012	
	Aditya	17EJCEC013	
A12	Anchita Goyal	17EJCEC025	Mr Lokesh Kumar Sharma
	Akshita Dadheech	17EJCEC021	
	Arpit Gupta	17EJCEC035	
	Adhya Saraf	17EJCEC011	
A13	Atul Bansal	17EJCEC044	Mr. Ashish Kulshrestha
	Ayush bhatia	17EJCEC047	
	Chandan kumar	17EJCEC057	
	Chandan kumar	17EJCEC058	
A14	Akshay Jain	17EJCEC019	Mr. Rajkumar Jain
	Anup kumar	17EJCEC030	
	Ankit kaushik	17EJCEC028	
	Anurag sogani	17EJCEC032	
A15	Abhishek Suwalka	17EJCEC009	Mr. Jitendra Sharma
	Abhimanyu Singh	17EJCEC005	
	Chesta Sighal	17EJCEC060	
	Aman Aditya	17EJCEC022	

Section B

Project Group No.	Student Name	RTU R. No.	Project Guide/ Supervisor
B1	Mohit Kaushik	17EJCEC116	Mr. Jai Prakash Mishra
	Mudit Khandelwal	17EJCEC118	
	Girish Mishra	17EJCEC081	
	Manoj Gour	17EJCEC110	
B2	Divyansh	17EJCEC073	Ms. Nisha Atrav
	Divyansh Jadon	17EJCEC074	
	Manvi Joshi	17EJCEC112	
	Naman Pathak	17EJCEC123	
B3	Deeksha Singh	17EJCEC063	Ms. Deepmala kulshresta
	Deepak Choudhary	17EJCEC064	
	Naman Kankaria	17EJCEC122	
	Mehul Sharma	17EJCEC115	
B4	Mahima jain	17EJCEC107	
	Naman saxena	17EJCEC124	

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Electronics & Communication Engineering
Mr. Deepak sankhla JECRC, Jaipur

	Name	ID	Faculty
	Khushboo Bhargava	17EJCEC097	
	naman jain	17EJCEC121	
B5	Megha Mittal	17EJCEC114	Mr. Rajkumar Jain
	Mudrika Sharma	17EJCEC119	
	Madhu choudhary	17EJCEC105	
	Khemendra prakash	17EJCEC096	
B6	himanshi saini	17EJCEC088	Mrs. Yazusha Sharma
	mansi bharadwaj	17EJCEC111	
	Kirti chauhan	17EJCEC098	
	Divyansh singh	17EJCEC075	
B7	Hardik Sogani	17EJCEC083	Mr. Devendra Sharma
	Dependra Sethiya	17EJCEC069	
	Divya Tinkar	17EJCEC072	
	Manish Mehra	17EJCEC109	
B8	Dhruva sharma	17EJCEC071	Mr. Ankur Gangwar
	Kushal jain	17EJCEC103	
	Harsh Pratap Singh Shekhawat	17EJCEC086	
	Jahanvi Agarwal	17EJCEC089	
B9	Jatin sharma	17EJCEC093	Mr. Rakesh Kardam
	Lakshya pant	17EJCEC104	
	Harsh Chhawal	17EJCEC085	
	Manish Mangla	17EJCEC108	
B10	Karan Singh Solanki	17EJCEC095	Ms.Ritambhara
	Devang Agarwal	17EJCEC070	
	Deepesh Mittal	17EJCEC068	
	Ganesh Goyal	17EJCEC077	
B11	Mayank	17EJCEC113	Mr. Honey Agarwal
	Krishnanjana S	17EJCEC102	
	Naman Sogani	17EJCEC126	
	kislay Kishor Jha	17EJCEC099	
B12	Danish khaa	17EJCEC062	Mr. Bhoopesh Kumawat
	Deepakshi Joshi	17EJCEC065	
	Deepesh Malhotra	17EJCEC067	
	Hardik Gandhi	17EJCEC082	
B13	Jaishri Sharma	17EJCEC092	Mr. Naresh Kumar
	Kailash Singh	17EJCEC094	
	Harender Singh	17EJCEC084	
	Muskan Tak	17EJCEC120	
B14	Niharika bansal	17EJCEC127	Ms. Ritambhara
	Komal Nisha	17EJCEC100	
	Naman Sharma	17EJCEC125	
	Deepanshu Gupta	17EJCEC066	

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Electronics & Communication E

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Academic year-2020-21

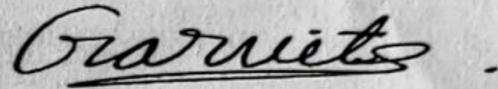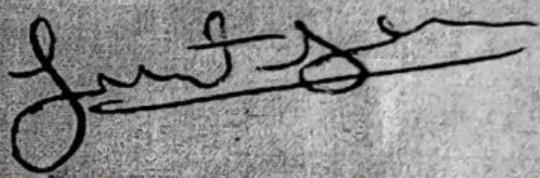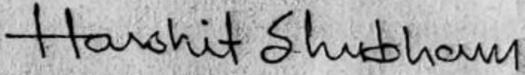| Project Group No.	Student Name	RTU R. No.	Project Guide/Supervisor
B15	GARVIT SHARMA	17EJCEC078	Mr. Mangi Lal
	JAHID KHAN	17EJCEC091	
	GARVIT SHARMA	17EJCEC079	
	HARSHIT SHUBHAM	17EJCEC087	

Section C

Project Group No.	Student Name	RTU R. No.	Project Guide/Supervisor
C1	Prateek Kumar	17EJCEC142	Ms. Yazusha Sharma
	Rohitashv Garg	17EJCEC179	
	Saket Sharma	17EJCEC176	
	Sanskar Sharma	17EJCEC183	
C2	Raghav Singhal	17EJCEC152	Dr. S. K. Singh
	Rahul Sogani	17EJCEC157	
	Rishabh Jain	17EJCEC167	
	Rajat Mundra	17EJCEC159	
C3	Richa Mishra	17EJCEC165	Dr. S S Manaktala
	Purva Banthia	17EJCEC149	
	Rahul Baloda	17EJCEC155	
	Ojasv Sharma	17EJCEC133	
C4	Rakhi Rawat	17EJCEC161	Ms. Ritu Vyas
	Praveen Sharma	17EJCEC145	
	Priyanshi Khandelwal	17EJCEC148	
C5	Rupal Saini	17EJCEC177	Dr.S.S Manaktala
	Riya Kanoongo	17EJCEC171	
	Rincy Chacko Kurien	17EJCEC166	
	Pankaj Jangid	17EJCEC135	
C6	Pranay Kasliwal	17EJCEC139	Mr. Naresh Kumar
	Prateek Kumar Mishra	17EJCEC143	
	Pushpendra Soni	17EJCEC150	
	Pranshu Chaurasia	17EJCEC140	
C7	Saurabh Kumar	17EJCEC188	Dr. Vinita Mathur
	Saurabh Ghosh	17EJCEC187	
	Prateek Sharma	17EJCEC144	
	Sarthak Saxena	17EJCEC185	
C8	Rakshit Sharma	17EJCEC162	Dr. Ajay Yadav
	Nikhil Somani	17EJCEC128	
	Ritik Jain	17EJCEC170	
	Nitin Kumar	17EJCEC131	
C9	Shashi shekhar gaurav	17EJCEC190	Mr. Jai Prakash
	Nitin nirwan	17EJCEC132	
	Rishi raj shekhawat	17EJCEC169	

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Project Group No.	Student Name	RTU R. No.	Project Guide/ Supervisor
	Rohit sharma	17EJCEC175	
C10	Sakina Saify	17EJCEC180	Mr. Ashish Sharma
	Rohit Anand	17EJCEC173	
	Rohit Jangid	17EJCEC174	
	Raghavendra Kr Thakur	17EJCEC153	
C11	Rishabh Khandelwal	17EJCEC168	Dr. S.K Singh
	Nishant pahwa	17EJCEC129	
	Shahid Ali	17EJCEC189	
	Sarthak Chaturvedi	17EJCEC184	
C12	Priya Laddha	17EJCEC146	Dr. Vinita Mathur
	Pranshu Sharma	17EJCEC141	
	Raman Garg	17EJCEC163	
	Prachi Chauhan	17EJCEC138	
C13	Priyal Agarwal	17EJCEC147	
	Rahul Kumar Dubey	17EJCEC156	
	Satyam Kumar Jha	17EJCEC186	
	Sagar Nigam	17EJCEC178	
C14	Rajat Purohit	17EJCEC160	Mr.Deepak Shankla
	Nitesh Ram Kishore Meena	17EJCEC130	
	Pankaj Sharma	17EJCEC137	
	Pankaj Joshi	17EJCEC136	
C15	Rajan Dhawan	17EJCEC158	Mr. Sudarshan Jain
	Raghav Das Singhal	17EJCEC151	
	Riya Sharma	17EJCEC172	
	Ravi Nagar	17EJCEC164	

Section D

Project Group No.	Student Name	RTU R. No.	Project Guide/ Supervisor
D1	Vaibhav Maheshwari	17EJCEC869	Mr. Vikas Sharma
	Shubham Mittal	17EJCEC857	
	Shyam Somani	17EJCEC852	
	Vaibhav Agrawal	17EJCEC868	
D2	Vardaan Bhalla	17EJCEC870	Dr. Girraj Sharma
	Kareena Khan	17EJCEC400	
	Utsav Sharma	17EJCEC867	
	Sourav Chippa	17EJCEC855	
D3	Vidushi Mangnani	17EJCEC872	Dr. Ashish Kumar
	Tejaswi Bansal	17EJCEC863	
	Surbhi khandelwal	17EJCEC858	
	Ujjwal sharma(+ve)	17EJCEC865	
D4	Tushar Sharma	17EJCEC864	Dr. Ashish Kumar
	Yash Dixit	17EJCEC882	

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Dr. Ashish Kumar JECRC, Jaipur

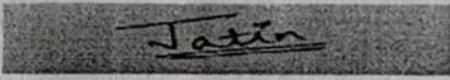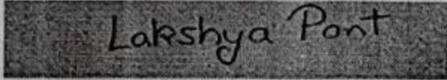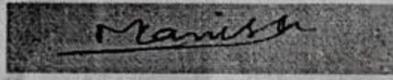|	Vipin Aanjana	17EJCEC875	
	Vinit Singh	17EJCEC874	
D5	Yash Gupta	17EJCEC884	Dr. Girraj Sharma
	Vipul Gwala	17EJCEC876	
	Chandra Shekhar Vyas	17EJCEC300	
	Surya Pratap Singh	17EJCEC302	
D6	TANUJ AGARWAL	17EJCEC860	Ms. Sameeksha Choudhary
	SAURABH SHARMA	17EJCEC301	
	VINESH GUPTA	17EJCEC873	
	SHIVAM SHUKLA	17EJCEC192	
D7	YASH GUPTA	17EJCEC883	Mr. Jitendra Sharma
	YUVRAJ SINGH BADGUJAR	17EJCEC886	
	SHUBHAM RATHI	17EJCEC198	
	YAMAN PAREEK	17EJCEC881	
D8	VISHWASH KHANDAL	17EJCEC879	Mr. Ashish Sharma
	UPENDRA KUMAR SHARMA	17EJCEC866	
	SPARSH MEENA	17EJCEC856	
	RANJEET SINGH	18EJCEC200	
D9	Tanushi Agarwal	17EJCEC861	Mr. Ankur Gangwar
	Shubham Agarwal	17EJCEC195	
	Shubham Sharma	17EJCEC851	
	Siddharth Kharra	17EJCEC853	
D10	Shivangi Sharma	17EJCEC193	Ms. Bhavna Kalra
	Vivek pandey	17EJCEC880	
	Taniya Joshi	17EJCEC859	
	Shivansh pandya	17EJCEC194	

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

MAJOR PROJECT REGISTRATION FORM SESSION 2020-21

PROJECT GROUP NO. B-15
Team Members

S. No.	RTU R. No.	Name	Signature
1	17EJCEC078	GARVIT SHARMA	
2	17EJCEC079	GARVIT SHARMA	
3	17EJCEC087	HARSHIT SHUBHAM	
4	17EJCEC091	JAHID KHAN	
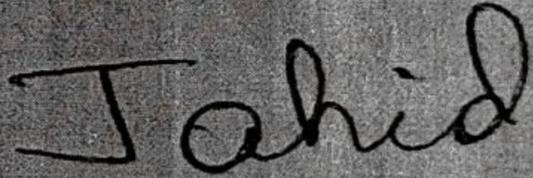
1. **Title of Project:** Image encryption using AES algorithm

2. **Type of Project:** Fabrication/ Design/ Experimental/ Theoretical/ Industrial/ Case Study/ Survey/ Industrial Management/ Productivity/ Robotics/ Software/ Simulation/ Embedded/ other specify: Software

3. **Date of Commencement:** 15/4/2021

4. **Planned Duration:** 2 months

5. **Brief Summary:** Communication is an integral part of our daily life, and every person wants privacy. This project is based on Cryptography that encrypts a multimedia file using AES algorithm. and alongside decrypts it to get the original file.

6. **Expected Benefits:** This algorithm can be used to make a more secure and direct way to communicate between different nodes in the network. It can also be used to create more secure instant messaging applications.

7. **Name of supervisor:** Mr. Mangilal

I agree to be supervisor of the project.
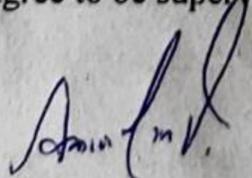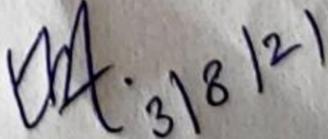
Project Coordinator

Signature of Supervisor

Head of the Department
Electronics & Communication Engineering
JECRC, Jaipur
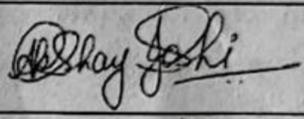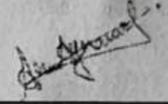
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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

MAJOR PROJECT REGISTRATION FORM SESSION 2020-21

PROJECT GROUP NO: B9

Team Members S. No.	RTU R. No.	Name	Signature
1	17EJCEC093	Jatin Sharma	Jatin
2	17EJCEC104	Lakshya Pant	Lakshya Pant
3	17EJCEC108	Manish Mangla	Manish
4	17EJCEC085	Harsh Chhawal	Harsh

1. **Title of Project:** Quadcopter

2. **Type of Project:** Robotics

3. Date of Commencement: 15/04/2021
4. Planned Duration: 3 to 4 Months

5. Brief Summary: A Drone, also called as quadcopter is a multirotor helicopter that is lifted and propelled by four rotors. Most helicopters, quadcopters use two sets of identical fixed pitched propellers; two clockwise (CW) and two counter clockwise (CCW). These use variation of RPM to control lift and torque. Control of vehicle motion is achieved by altering the rotation rate of one or more motor discs, thereby changing its torque load and thrust/lift characteristics by using a microcontroller.

6. Expected Benefits: It has successfully struck militants of Al Qaeda and other terrorist groups. It helps forest fires, it also monitors environmental data and can seek missing children and felons and intelligence gathered by surveillance drones contributed to assassination of Osama Bin Laden

7. Name of supervisor: Mr. Rakesh Kumar Kardam

I agree to be supervisor of the project.
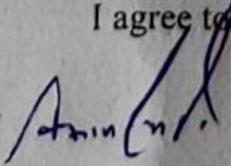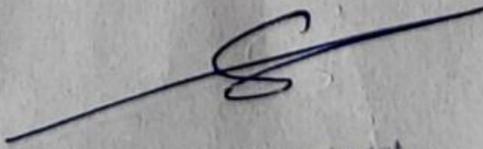
Project Coordinator

Signature of Supervisor 3|8|21

Head of the Department
Electronics & Communication Engineering
JECRC, Jaipur
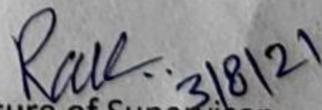
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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

### MAJOR PROJECT REGISTRATION FORM SESSION 2020-21

PROJECT GROUP NO.: A7
Team Members

S. No.	RTU R. No.	Name	Signature
1	17EJCEC020	AKSHAY JOSHI	
2	17EJCEC038	ARUN AGRAWAL	
3	17EJCEC040	ARYAN PAREEK	
4	17EJCEC037	ARUN AGARWAL	
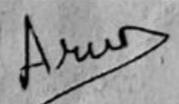
1. Title of Project: **COVID-19 Testing Management System**

2. Type of Project: Fabrication/ Design/ Experimental/ Theoretical/ Industrial/ Case Study/ Survey/ Industrial Management/ Productivity/ Robotics/ Software/ Simulation/ Embedded/ other specify: **Software**

3. Date of Commencement: 14th April 2021

4. Planned Duration: 3-4 Months

5. Brief Summary: The aim of project is to design a website or system that can help people to book online for the COVID-19 test at home. To avoid overcrowding in the hospitals and reduces the danger of transmission to healthcare workers and other patients. To reduce the paperwork and time process of the testing.

6. Expected Benefits:
   - The system allows automated diagnosis system.
   - Allows faster services.
   - Allows increased sales and profits for diagnostic labs.
   - Easy and friendly GUI.
   - Validation of data will be ensured accurately, and the computerized data will be stored in the database.
   - Easy retrieval of data.
   - Computerized Report generation will be available, which can be analyzed easily.

7. Name of supervisor: Dr. Parul Tyagi

I agree to be supervisor of the project.
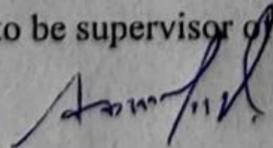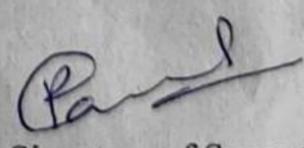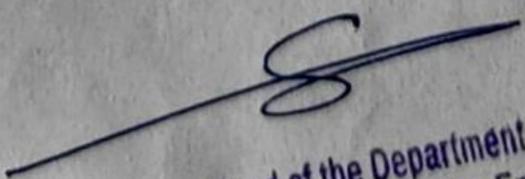
Project Coordinator

Signature of Supervisor

Head of the Department
Electronics & Communication Engineering
JECRC, Jaipur

Jaipur Engineering College & Research Centre, Jaipur

Department of Electronics & Communication Engineering

Notice

May, 21, 2021

Major Project Assessment-1

This is to inform you that the Midterm Evaluation of the Major Project is scheduled from 24/05/2021 to 26/05/2021.

Following are the guidelines for the midterm evaluation.

1. The midterm evaluation will be done by the respective project supervisor and internal examiner through Google meet online meeting. The schedule is attached herewith.

2. Prior to that, prepare a PowerPoint presentation mentioning the work done till now and the remaining work.

The contribution of each member should be mentioned in one of the slides of the presentation.

Arrange an online meeting between the group members only and share the presentation. Each member will describe his/her role in the presentation. Make sure to record this meeting.

3. Play this recorded presentation in the online meeting with the project supervisor.

After this there will be a viva session followed by discussion on remaining work.

The project supervisor will evaluate the performance of each member on the basis of presentation and all the past meetings.

4. Fill the google form below to mark attendance of your group in the midterm evaluation. (uploading the link of recorded presentation is compulsory)

https://forms.gle/J7Hm8kZxXNr4kxcVA

Dr. Girraj Sharma
Mr. Vikas Sharma
Project Coordinator (s)
ECE, JECRC

Dr. Sandeep Vyas
HoD-ECE

Head of the Department
Electronics & Communication Engineering
JECRC, Jaipur

	Jaipur Engineering College and Research Centre, Shri Ram ki Nangal, via Sitapura RIICO Jaipur- 302 022.	Academic year-2020-21
JECRC JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTRE		

Schedule of the Presentations Mid Assessment-1

Date & Day	Section	Project Group	Examiner	Online Link	Time
24-05-2021 Monday	VIII SEM A, B	A1-A6	Dr. Girraj Shar	https://meet.google.com/zrj-uyzg-zbm	9:00-10:30 AM
		A7-A13	Dr. Ashish Kumar	https://meet.google.com/zrj-uyzg-zbm	10:30 -12:00 AM
		A14-A15, B1-B5	Dr. Vinita Mathur	https://meet.google.com/zrj-uyzg-zbm	12:00 - 1:30PM
25-05-2021 Tuesday	VIII SEM B, C	B5-B11	Dr. Parul Tyagi	https://meet.google.com/zrj-uyzg-zbm	9:00-10:30 AM
		B12-B15, C1, C2	Dr. S.K .Singh	https://meet.google.com/zrj-uyzg-zbm	10:30 -12:00 AM
		C3-C9	Dr. Sandeep Vyas	https://meet.google.com/zrj-uyzg-zbm	12:00 - PM
26-05-2021 Wednesday	VIII SEM C, D	C10-C15, D1, D2	Dr. S. S. Manaktala	https://meet.google.com/zrj-uyzg-zbm	9:00-10:30 AM
		D3- D10	Dr. Jaiverdhan	https://meet.google.com/zrj-uyzg-zbm	10:30 -12:00 AM

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Electronics & Communication Engineering
JECRC, Jaipur

Project Allotment List

Section A				
Project Group No.	**Student Name**	**RTU R. No.**	**Supervisor/Project Guide**	**Project title**
A1	Chaitanya Goyal	17EJCEC055	Mr. Vikas Sharma	Electric Vehicle Charge Supply Equipment
	Bharat Modi	17EJCEC053		
	Aditya Joshi	17EJCEC015		
	Ayushi Rawat	17EJCEC050		
A2	Ayushi Bansal	17EJCEC049	Dr. Shruti Kalra	Colour Vision And Speech Based Mouse Controller
	Arshpreet Singh Dhingra	17EJCEC036		
	Achintya Siddha	17EJCEC010		
	Aayush Khandelwal	17EJCEC003		
A3	Akshat Pareek	17EJCEC017	Dr. Jaiverdhan	Bluetooth App Based Home Automation
	Aryaman Singh	17EJCEC039		
	Bhaira Ram Puniya	17EJCEC052		
	Aarush Saini	17EJCEC001		
A4	Chesta Porwal	17EJCEC059	Dr. Parul Tyagi	Travel Request System
	Aaryan Tiwari	17EJCEC002		
	Aman Pandya	17EJCEC023		
	Aayush Saini	17EJCEC004		
A5	Astha Choudhary	17EJCEC043	Dr. Sandeep Vyas	Smart Alcohol Detection And Accident Indication System
	Baibhav Ranjan	17EJCEC051		
	Akshat Sharma	17EJCEC018		
	Chetan Sharma	17EJCEC061		
A6	Anand Raj Jain	17EJCEC024	Dr.Jaiverdhan	Face Recognition
	Anshul Bhandari	17EJCEC029		
	Arjun Sharma	17EJCEC034		
	Anup Kumar Jha	17EJCEC031		
A7	Akshay Joshi	17EJCEC020	Dr Parul Tyagi	Covid 19 Testing Management System
	Arun Agrawal	17EJCEC038		
	Aryan Pareek	17EJCEC040		
	Arun Agarwal	17EJCEC037		
A8	Abhishek Jain	17EJCEC006	Dr. Shruti Kalra	Eco-Voice
	Aditya Devgan	17EJCEC014		
	Ayush Jain	17EJCEC048		
A9	Anjali Agarwal	17EJCEC027	Dr. Sandeep Vyas	Library
	Ashna Agarwal	17EJCEC041		
	Abhishek Saxena	17EJCEC008		
	Akshat Mathur	17EJCEC016		

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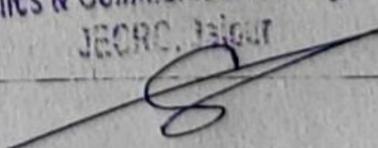
	Student Name	RTU R. No.	Project Guide/ Supervisor	
A10	Asmita Verma	17EJCEC042	Mr. Bhoopesh Kumawat	Oxiphile (Website On Availability Of Oxygen Cylinder And Bed)
	Atul Kumar	17EJCEC045		
	Avinash Kumar Yadav	17EJCEC046		
	Chanchal Gharwal	17EJCEC056		
A11	Anisha Sharma	17EJCEC026	Mr. Lokesh Kumar Sharma	The Book Writer
	Anushka Khandelwal	17EJCEC033		
	Aditi Sharma	17EJCEC012		
	Aditya	17EJCEC013		
A12	Anchita Goyal	17EJCEC025	Mr Lokesh Kumar Sharma	Lead Generation Project
	Akshita Dadheech	17EJCEC021		
	Arpit Gupta	17EJCEC035		
	Adhya Saraf	17EJCEC011		
A13	Atul Bansal	17EJCEC044	Mr. Ashish Kulshrestha	Facial Recognition Attendance System
	Ayush bhatia	17EJCEC047		
	Chandan kumar	17EJCEC057		
	Chandan kumar	17EJCEC058		
A14	Akshay Jain	17EJCEC019	Mr. Rajkumar Jain	Hate Speech/ Toxic Comment Detection
	Anup kumar	17EJCEC030		
	Ankit kaushik	17EJCEC028		
	Anurag sogani	17EJCEC032		
A15	Abhishek Suwalka	17EJCEC009	Mr. Jitendra Sharma	Automatic Certification Generation Using Matlab
	Abhimanyu Singh	17EJCEC005		
	Chesta Sighal	17EJCEC060		
	Aman Aditya	17EJCEC022		
Section B				
Project Group No.	Student Name	RTU R. No.	Project Guide/ Supervisor	
B1	Mohit Kaushik	17EJCEC116	Mr. Jai Prakash Mishra	Smart Irrigation System Using Arduino
	Mudit Khandelwal	17EJCEC118		
	Girish Mishra	17EJCEC081		
	Manoj Gour	17EJCEC110		
B2	Divyansh	17EJCEC073	Ms. Nishi Atray	Temperature Monitoring And Alert System Using Iot
	Divyansh Jadon	17EJCEC074		
	Manvi Joshi	17EJCEC112		
	Naman Pathak	17EJCEC120		
B3	Deeksha Singh	17EJCEC065	Ms. Deepmala kulshresta	Smart Parking System
	Deepak Choudhary	17EJCEC064		
	Naman Kankaria	17EJCEC122		
	Mehul Sharma	17EJCEC115		
B4	Mahima jain	17EJCEC107	Mr. Deepak sankhla	Licence Plate Recognment
	Naman saxena	17EJCEC124		

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	Name	ID	Faculty	Project
	Khushboo Bhargava	17EJCEC097		
	naman jain	17EJCEC121		
B5	Megha Mittal	17EJCEC114	Mr. Rajkumar Jain	Smart Shopping Cart
	Mudrika Sharma	17EJCEC119		
	Madhu choudhary	17EJCEC105		
	Khemendra prakash	17EJCEC096		
B6	himanshi saini	17EJCEC088	Mrs. Yazusha Sharma	Microcontroller Based Code Locking System With Alarm.
	mansi bharadwaj	17EJCEC111		
	Kirti chauhan	17EJCEC098		
	Divyansh singh	17EJCEC075		
B7	Hardik Sogani	17EJCEC083	Mr. Devendra Sharma	Hospital Management System
	Dependra Sethiya	17EJCEC069		
	Divya Tinkar	17EJCEC072		
	Manish Mehra	171JCEC09		
B8	Dhruva sharma	17EJCEC071	Mr. Ankur Gangwar	Film Management System
	Kushal jain	17EJCEC103		
	Harsh Pratap Singh Shekhawat	17EJCEC086		
	Jahanvi Agarwal	17EJCEC089		
B9	Jatin sharma	17EJCEC093	Mr. Rakesh Kardam	Quadcopter
	Lakshya pant	17EJCEC104		
	Harsh Chhawal	17EJCEC085		
	Manish Mangla	17EJCEC108		
B10	Karan Singh Solanki	17EJCEC095	Ms.Ritambhara	Desktop Ai Voice Assistance System
	Devang Agarwal	17EJCEC070		
	Deepesh Mittal	17EJCEC068		
	Ganesh Goyal	17EJCEC077		
B11	Mayank	17EJCEC113	Mr. Honey Agarwal	Corona Virus Detector Device
	Krishnanjana S	17EJCEC102		
	Naman Sogani	17EJCEC		
	kislay Kishor Jha	17EJCEC099		
B12	Danish khaa	17EJCEC062	Mr. Bhoopesh Kumawat	Stock Price Prediction
	Deepakshi Joshi	17EJCEC065		
	Deepesh Malhotra	17EJCEC067		
	Hardik Gandhi	17EJCEC		
B13	Jaishri Sharma	17EJCEC	Mr. Naresh Kumar	Wireless Power Transfer Using Tesla Coil
	Kailash Singh	17EJCEC094		
	Harender Singh	17EJCEC		
	Muskan Tak	17EJCEC120		
B14	Niharika bansal	17EJCEC	Ms. Ritambhara	Desktop Ai Voice Assistance System
	Komal Nisha	17EJCEC		
	Naman Sharma	171		
	Deepanshu Gupta	17EJCEC		

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302 022.

Academic year-2020-21

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AND RESEARCH CENTRE

Project Group No.	Student Name	RTU R. No.	Project Guide/ Supervisor	
B15	GARVIT SHARMA	17EJCEC078	Mr. Mangi Lal	Image Encryption Using Aes Algorithm
	JAHID KHAN	17EJCEC091		
	GARVIT SHARMA	17EJCEC079		
	HARSHIT SHUBHAM	17EJCEC087		
Section C				
C1	Prateek Kumar	17EJCEC142	Ms. Yazusha Sharma	Piezo Electric Floor
	Rohitashv Garg	17EJCEC179		
	Saket Sharma	17EJCEC176		
	Sanskar Sharma	17EJCEC183		
C2	Raghav Singhal	17EJCEC152	Dr. S. K. Singh	Personal Assistant
	Rahul Sogani	17EJCEC157		
	Rishabh Jain	17EJCEC172		
	Rajat Mundra	17EJCEC159		
C3	Richa Mishra	17EJCEC165	Dr. S S Manaktala	Rfid Based Attendance System
	Purva Banthia	17EJCEC149		
	Rahul Baloda	17EJCEC155		
	Ojasv Sharma	17EJCEC133		
C4	Rakhi Rawat	17EJCEC161	Ms. Ritu Vyas	Home Automation Using Voice Via Google Assistant
	Praveen Sharma	17EJCEC145		
	Priyanshi Khandelwal	17EJCEC148		
C5	Rupal Saini	17EJCEC177	Dr.S.S Manaktala	Rfid Based Security System For Atm
	Riya Kanoongo	17EJCEC171		
	Rincy Chacko Kurien	17EJCEC166		
C6	Pankaj Jangid	17EJCEC135	Mr. Naresh Kumar	Emergency Ventilation System
	Pranay Kasliwal	17EJCEC137		
	Prateek Kumar Mishra	17EJCEC143		
	Pushpendra Soni	17EJCEC139		
	Pranshu Chaurasia	17EJCEC140		
C7	Saurabh Kumar	17EJCEC188	Dr. Vinita Mathur	Object Detection And Identification
	Saurabh Ghosh	17EJCEC187		
	Prateek Sharma	17EJCEC144		
	Sarthak Saxena	17EJCEC185		
C8	Rakshit Sharma	17EJCEC162	Dr. Ajay Yadav	Smart Shopping Cart With Payment Gateway
	Nikhil Somani	17EJCEC128		
	Ritik Jain	17EJCEC170		
	Nitin Kumar	17EJCEC131		
C9	Shashi shekhar gaurav	17EJCEC190	Mr. Jai Prakash Mishra	Human Body Temperature Sensed Automatic
	Nitin nirwan	17EJCEC132		
	Rishi raj shekhawat	17EJCEC169		

Head of the Department
Electronics & Communication Engineering
JECRC, Jaipur

		Jaipur Engineering College and Research Centre, Shri Ram ki Nangal, via Sitapura RIICO Jaipur-302 022.		Academic year-2020-21

Group	Student Name	RTU R. No.	Project Guide/ Supervisor	Project Title
	Rohit sharma	17EJCEC175		Door Opening System
C10	Sakina Saify	17EJCEC180	Mr. Ashish Sharma	Medicine Reminder
	Rohit Anand	17EJCEC173		
	Rohit Jangid	17EJCEC174		
	Raghavendra Kr Thakur	17EJCEC153		
C11	Rishabh Khandelwal	17EJCEC168	Dr. S.K Singh	Real-Time Prediction of Taxi Demand using Recurrent Neural Network (RNN)
	Nishant pahwa	17EJCEC129		
	Shahid Ali	17EJCEC189		
	Sarthak Chaturvedi	17EJCEC184		
C12	Priya Laddha	17EJCEC146	Dr. Vinita Mathur	Blood Bank & Donor Management System
	Pranshu Sharma	17EJCEC141		
	Raman Garg	17EJCEC163		
	Prachi Chauhan	17EJCEC138		
C13	Priyal Agarwal	17EJCEC147	Ms.Mamta Rani	Restaurant Ordering System
	Rahul Kumar Dubey	17EJCEC156		
	Satyam Kumar Jha	17EJCEC186		
	Sagar Nigam	17EJCEC178		
C14	Rajat Purohit	17EJCEC160	Mr.Deepak Shankla	Wireless Lock System
	Nitesh Ram Kishore Meena	17EJCEC130		
	Pankaj Sharma	17EJCEC137		
	Pankaj Joshi	17EJCEC136		
C15	Rajan Dhawan	17EJCEC158	Mr. Sudarshan Jain	Covid-19 Stats
	Raghav Das Singhal	17EJCEC154		
	Riya Sharma	17EJCEC172		
	Ravi Nagar	17EJCEC164		

Section D

Project Group No.	Student Name	RTU R. No.	Project Guide/ Supervisor	
D1	Vaibhav Maheshwari	17EJCEC069	Mr. Vikas Sharma	Iron Man Jarvis Ai Desktop Voice Assistant
	Shubham Mittal	17EJCEC207		
	Shyam Somani	17EJCEC052		
	Vaibhav Agrawal	17EJCEC068		
D2	Vardaan Bhalla	17EJCEC070	Dr. Girraj Sharma	Fatigue Detection System Based On Behvourial Characteristics Of Driver
	Kareena Khan	17EJCEC400		
	Utsav Sharma	17EJCEC067		
	Sourav Chippa	17EJCEC065		
D3	Vidushi Mangnani	17EJCEC	Dr. Ashish Kumar	Communication Using Lifi Technology
	Tejaswi Bansal	17EJCEC		
	Surbhi khandelwal	17EJCEC058		
	Ujjwal sharma(+ve)	17EJCEC045		

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D4	Tushar Sharma	17EJCEC864	Dr. Ashish Kumar	Arduino Based Water Quality Monitoring System
	Yash Dixit	17EJCEC88		
	Vipin Aanjana	17EJCEC875		
	Vinit Singh	17EJCEC874		
D5	Yash Gupta	17EJCEC884	Dr. Girraj Sharma	Object Detection Using Webapp
	Vipul Gwala	17EJCEC876		
	Chandra Shekhar Vyas	17EJCEC300		
	Surya Pratap Singh	17EJCEC302		
D6	TANUJ AGARWAL	17EJCEC860	Ms. Sameeksha Choudhary	Real Time Vehicle Accident Detection And Tracking Using Gsm, Gps & Arduino
	SAURABH SHARMA	17EJCEC301		
	VINESH GUPTA	17EJCEC873		
	SHIVAM SHUKLA	17EJCEC192		
D7	YASH GUPTA	17EJCEC883	Mr. Jitendra Sharma	Online Test Portal
	YUVRAJ SINGH BADGUJAR	17EJCEC886		
	SHUBHAM RATHI	17EJCEC198		
	YAMAN PAREEK	17EJCEC885		
D8	VISHWASH KHANDAL	17EJCEC879	Mr. Ashish Sharma	Online Quiz Web Application
	UPENDRA KUMAR SHARMA	17EJCEC866		
	SPARSH MEENA	17EJCEC856		
	RANJEET SINGH	18EJCEC200		
D9	Tanushi Agarwal	17EJCEC861	Mr. Ankur Gangwar	Tele Operation Data Communication Glove
	Shubham Agarwal	17EJCEC195		
	Shubham Sharma	17EJCEC851		
	Siddharth Kharra	17EJCEC853		
D10	Shivangi Sharma	17EJCEC893	Ms. Bhavna Kalra	Library Management System
	Vivek pandey	17EJCEC880		
	Taniya Joshi	17EJCEC859		
	Shivansh pandya	17EJCEC894		

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Electronics & Communication Engineering
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Jaipur Engineering College & Research Centre, Jaipur

Department of Electronics & Communication Engineering

Notice

June 19, 2021

Major Project Assessment-2

This is to inform you that the Midterm Evaluation-2 of the Major Project is scheduled from 24/06/2021 to 26/06/2021.

Following are the guidelines for the midterm evaluation.

1. The midterm evaluation will be done by the respective project supervisor and internal examiner through Google meet online meeting. The schedule is attached herewith.

2. Prior to that, prepare a PowerPoint presentation mentioning the work done till now, project report and research paper for national conference RACON 2021.The contribution of each member should be mentioned in one of the slides of the presentation.

Arrange an online meeting between the group members only and share the presentation. Each member will describe his/her role in the presentation. Make sure to record this meeting.

3. Play this recorded presentation in the online meeting with the project supervisor.

After this there will be a viva session followed by discussion on remaining work.

The project supervisor and examiner will evaluate the performance of each member on the basis of presentation and all the past meetings.

4. Fill the google form below to mark attendance of your group in the midterm evaluation. (uploading the link of recorded presentation is compulsory)

https://docs.google.com/forms/d/e/1FAIpQLSdYzTHFYhzDSm_JxTP35G6mAPFPqPVsqSljup7mtZ4JIgRgLQ/viewform?usp=sf_link

This is also to inform you that guidelines for the major project report and format of research paper are attached. Prepare the report strictly according to the guidelines and get it approved (soft copy) by the respective project supervisor.

Hardcopy is to be submitted when a normal working resume.
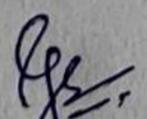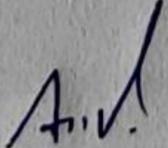
Dr. Girraj Sharma
Mr. Vikas sharma
Project Coordinator (s)
ECE, JECRC

Dr. Sandeep
Head of the Department
Electronics & Communication Engineering
JECRC, Jaipur

Schedule of the Presentations Mid Assessment-2

Date & Day	Section	Project Group	Examiner	Online Link	Time
24-06-2021 Thursday	VIII SEM A, B	A1-A6	Dr. Parul Tyagi	https://meet.google.com/prq-vybk-wbx	9:00-10:30 AM
		A7-A13	Dr. S.K. Singh	https://meet.google.com/prq-vybk-wbx	10:30 - 12:00 AM
		A14-A15, B1-B5	Mr. Bhoopesh Kumawat	https://meet.google.com/prq-vybk-wbx	12:00 - 1:30PM
25-06-2021 Friday	VIII SEM B, C	B5-B11	Mr. Ashish Sharma	https://meet.google.com/prq-vybk-wbx	9:00-10:30 AM
		B12-B15, C1, C2	Dr. S.K. Singh	https://meet.google.com/prq-vybk-wbx	10:30 - 12:00 AM
		C3-C9	Dr. Ashish Kumar	https://meet.google.com/prq-vybk-wbx	12:00 - 1:30PM
26-06-2021 Saturday	VIII SEM C, D	C10-C15, D1, D2	Dr. Vinita Mathur	https://meet.google.com/prq-vybk-wbx	9:00-10:30 AM
		D3- D10	Mr. Rajkumar Jain	https://meet.google.com/prq-vybk-wbx	10:30 - 12:00 AM

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Electronics & Communication Engineering
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FORMAT OF PROJECT REPORT
DEPT OF ECE, SESSION 2020-21

Report should be of 60-70 pages.

1. **Paper Size:** A- 4 size paper
2. **Margins :**
   - Top : 1" (1 inch=2.54cm)
   - Bottom : 1.15" (2.86cm)
   - Left : 1.5"
   - Right : 0.6"
3. **Line Spacing:** 1.5 line
4. **Title of Chapter**
   - Font : Times New Roman (Bold face)
   - Size : 18 point
   - Alignment : Right Alignment
5. **Headings**
   First Order Heading : (for example – 1. INTRODUCTION)
   - Font : Times New Roman (Bold Face)
   - Size : 16 point
   One blank line before the heading. (12 points)

   Second Order Heading : (for example – 1.1. Evolution)
   - Font : Times New Roman (Bold Face)
   - Size : 15 point
   One blank line before the heading. (12 points)

   Third Order Heading : (for example – 1.1.1. Image Processing)
   - Font : Times New Roman (Bold Face)
   - Size : 14 point
   One blank line before the heading. (12 points)

6. **Text**
   - Font : Times New Roman
   - Size : 12 point
   - Line Indent : No indent
   - Alignment : Justified (Full Text)
7. **Abstract** (upto 150 words)
   Heading (i.e. ABSTRACT)
   - Font : Times New Roman (Bold Face)
   - Size : 16 point
   Two blank lines after the heading. (12 points)

   Remaining Text
   - Font : Times New Roman (Italic Face)
   - Size : 12 point
   - Alignment : Justified (Full Text)

8. **Figures and Tables :** Centered Placed
   Caption
   - Font : Garamond (Bold)
   - Size : 12 point

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Alignment : Centered

9. Page Numbering (Centered)
Till page, " FIGURE INDEX"   : Roman (I, II, …etc.)

For Remaining Pages
(i.e. from ABSTRACT -to- BIBLIOGRAPHY) : 1, 2, …… N

10. References / Bibliography
Line Spacing : 1.5 Line
Font   : Times New Roman
Size   : 14 point
Publication details & URL must be in Italics
Format :
[citation number]   Author's Name, " Article Title", Journal, Publisher, Location, Year , Edition/Reprint, PP **Page No. Start-End.**
[citation number] Author's Name, "Article Title", Complete URL of Web Page.
[citation number] Author's Name, "Title of the Book", Publication Edition Year f P

For Example :
[1] G. K. Patnaik and M. M. Gore, "Design of Compiler for Mobile Environment and it's formalization using Evolving Algebra ", proceedings of 3ᵘ IEEE International Conference on Mobile Data Management, Singapore, January 2002, PP 159-160.

Note:

1. Major Project Report must be Hard Bounded.
2. The thesis must be bound using **Black colored** cover page with **golden colored embossing.**
3. One copy of the report should be submitted to the college (for Departmental Library), Second copy to the respective guide. Every student must have his or her own additional copy.
4. Report must be written in English language.
5. **Abstract** should be not more than One Page.
6. **Sequence** of pages to be followed as:
    - i)   Title /Front Page (Colored)
    - ii)   Certificate (Colored)
    - iii)   Acknowledgement/Dedications (to be signed by all the students of group)
    - iv)   Table of contents.
    - v)   List of figures
    - vi)   List of symbols
    - vii)   List of Tables
    - viii)   Abstract
    - ix)   Chapters and their arrangement
    - x)   Results & discussion
    - xi)   Conclusion (Page /Chapter.)
    - xii)   Appendices
    - xiii)   Cost of Project
    - xiv)   References

Head of the Department

Head of the Department
Electronics & Communication Engineering

A
PROJECT REPORT
ON

PROJECT TOPIC

Submitted in partial fulfillment for the award of **Bachelor of Engineering** degree **of Rajasthan** technical **university, Kota**
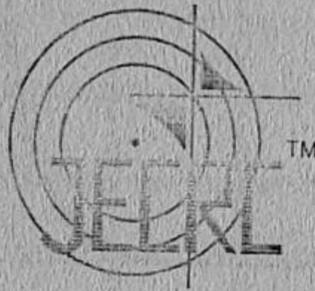
JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTRE

2020-2021

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
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May, 2021

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CERTIFICATE

This is to certify that the project titled "_____" is the bona fide work carried out by _____, a student of B.Tech. (ECE) of Jaipur Engineering College And Research Centre, Jaipur affiliated to Rajasthan Technical University, Kota, Rajasthan (India) during the academic year 2020-21, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology (Electronics and Communication Engineering) and that the project has not formed the basis for the award previously of any other degree, diploma, fellowship or any other similar title.

(Signature of the Guide)

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ACKNOWLEDGEMENT

(in your own words)

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LIST OF SYMBOLS

THD	:	Total harmonic distortion
N_o	:	Total number of turns of the interphase reactor
V	:	Rms value of phase voltage (V)
$V_{a,b,c}$	:	Voltage across phase a, b and c respectively (V)
$V'_{a,b,c}$	:	Voltage across phase a, b and c respectively with $+20^0$phase shift (V)
$V''_{a,b,c}$	:	Voltage across phase a, b and c respectively with -20^0phase shift (V)
ω_s	:	Synchronous speed (electrical rad/s)

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ABSTRACT

Security is a prime concern in our day-to-day life. And access control system forms a vital link in a security chain. The microcontroller-based digital lock presented here is an access control system that allows only authorized persons to operate his vehicle. When someone tries to operate the vehicle by entering invalid password, the owner of the vehicle gets the information that any unauthorized user is trying to operate his vehicle.

Our project 'Automotive Theft Controller' is an extension to our minor project 'Secured Room Access System'. The previous system comprises of a small electronic unit with a numeric keypad, which is fixed outside the entry door to control a lock. When an authorized person enters a predetermined number (password) via the keypad the relay energizes for a limited time to unlock, so door can be pushed/pulled open. At the end of the preset delay, the relay energizes and the door gets locked again. A prompt message is displaced on the LCD module.

In our major project we have designed a security lock for automobiles which wirelessly informs the owner of a vehicle if any unauthorized user tries to operate the vehicle. It consists of a transmitter and receiver section in which the transmitter is operated by using a predefined code. If correct code is entered, the user is allowed to start the vehicle otherwise a buzzer rings and a message 'unauthorized user' is displayed at the receiver.

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CHAPTER-1

INTRODUCTION

1.1 GENERAL

The need for energy conservation is increasing the requirements for increased levels

1.2 LITERATURE SURVEY

Many investigations in the area of efficiency optimization and harmonic reduction in ac

CHAPTER 2

CONVERTERS FOR INDUCTION MOTOR DRIVES

There are many converters for induction motor drives, which are as follows:

1. Voltage Source Inverter feeding a three-phase induction motor

CHAPTER 7

RESULTS AND DISCUSSION

CHAPTER 8

CONCLUSION

Three phases (6-Pulse) to nine phase (18-Pulse) autotransformer and Bridge rectifier

COST OF PROJECT

Sr. No.	Name of Component	Symbol/Code	Quantity Needed	Total Cost

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