[As per Choic	e Based Credit	S TECHNOLOGY System (CBCS) scher nic year 2017 - 2018) 2 - VIII	ne]	
Subject Code	17CS81	IA Marks	4	0
Number of Lecture Hours/Week	04	Exam Marks	6	50
Total Number of Lecture Hours	50	Exam Hours	0	)3
	CREDITS	- 04		
Module – 1				Teaching Hours
What is IoT, Genesis of IoT, IoT an IoT, IoT Challenges, IoT Network Network Architectures, Comparing The Core IoT Functional Stack, IoT I	Architecture a IoT Architecture	nd Design, Drivers es, A Simplified IoT	Behind New	10 Hours
Module – 2				
Smart Objects: The "Things" in Io Networks, Connecting Smart Of Technologies.			-	10 Hours
Module – 3		4.0		
IP as the IoT Network Layer, The Optimizing IP for IoT, Profiles and Transport Layer, IoT Application Tra	Compliances, A		•	10 Hours
Module – 4				
Data and Analytics for IoT, An I Learning, Big Data Analytics Too Network Analytics, Securing IoT, A in OT Security, How IT and OT S Analysis Structures: OCTAVE and Operational Environment	ols and Techno Brief History of ecurity Practice	logy, Edge Streamin OT Security, Commo s and Systems Vary,	ng Analytics, on Challenges Formal Risk	10 Hours
Module – 5				
IoT Physical Devices and Endpoints UNO, Installing the Software, Funda Physical Devices and Endpoints - RaspberryPi Board: Hardware Layou RaspberryPi, Programming Raspberry System Using Pi, DS18B20 Tempe Accessing Temperature from DS18B and Connected Cities, An IoT Strate Smart City Security Architecture, Smart	amentals of Ardu aspberryPi: Intro at, Operating System yPi with Python rature Sensor, C 320 sensors, Ren gy for Smarter C	nino Programming. oduction to Raspberryl stems on RaspberryPi, Wireless Temperatur Connecting Raspberry note access to Raspber Cities, Smart City IoT	IoT Pi, About the , Configuring re Monitoring Pi via SSH, erryPi, Smart	10 Hours
Course Outcomes: After studying th	is course, studen	ts will be able to		l
<ul> <li>Interpret the impact and ch models.</li> <li>Compare and contrast the dep to network.</li> </ul>	0		C	

- Appraise the role of IoT protocols for efficient network communication.
- Elaborate the need for Data Analytics and Security in IoT.
- Illustrate different sensor technologies for sensing real world entities and identify the applications of IoT in Industry.

#### **Question paper pattern:**

The question paper will have ten questions.

There will be 2 questions from each module.

Each question will have questions covering all the topics under a module.

The students will have to answer 5 full questions, selecting one full question from each module.

#### **Text Books:**

- David Hanes, Gonzalo Salgueiro, Patrick Grossetete, Robert Barton, Jerome Henry, "IoT Fundamentals: Networking Technologies, Protocols, and Use Cases for the Internet of Things", 1<sup>st</sup>Edition, Pearson Education (Cisco Press Indian Reprint). (ISBN: 978-9386873743)
- 2. Srinivasa K G, "Internet of Things", CENGAGE Leaning India, 2017

- 1. Vijay Madisetti and ArshdeepBahga, "Internet of Things (A Hands-on-Approach)", 1<sup>st</sup>Edition, VPT, 2014. (ISBN: 978-8173719547)
- 2. Raj Kamal, "Internet of Things: Architecture and Design Principles", 1<sup>st</sup> Edition, McGraw Hill Education, 2017. (ISBN: 978-9352605224)

[As per Choice B (Effective from		ystem (CBCS) scheme] ic year 2017 - 2018)	
Subject Code	17CS82	IA Marks	40
Number of Lecture Hours/Week	4	Exam Marks	60
Total Number of Lecture Hours	50	Exam Hours	03
	<b>CREDITS</b> -	- 04	
Module – 1			Teaching Hours
Hadoop Distributed File System Benchmarks, Hadoop MapReduce F		• • •	and <b>10 Hours</b>
Module – 2 Essential Hadoop Tools, Hadoop Y Apache Ambari, Basic Hadoop Adm			vith <b>10 Hours</b>
Module – 3 Business Intelligence Concepts a Mining, Data Visualization	nd Application	n, Data Warehousing, D	Data <b>10 Hours</b>
Module – 4 Decision Trees, Regression, Artif Association Rule Mining	ficial Neural	Networks, Cluster Analy	sis, <b>10 Hours</b>
Module – 5 Text Mining, Naïve-Bayes Analysi Social Network Analysis Course outcomes: The students sho		ctor Machines, Web Mini	ing, <b>10 Hours</b>
<ul> <li>Explain the concepts of HDF</li> <li>Investigate Hadoop related t Administration</li> <li>Recognize the role of Busin decision making</li> </ul>	cools for Big E	Data Analytics and perform	Ĩ
<ul><li>Infer the importance of core of</li><li>Compare and contrast difference</li></ul>	U		
Question paper pattern: The question paper will have ten que There will be 2 questions from each Each question will have questions co The students will have to answer 5 fr module.	module. overing all the t	1	rom each
Text Books: 1. Douglas Eadline, "Hadoop 2 Computing in the Apache 2016. ISBN-13: 978-933257 2. Anil Maheshwari, "Data A ISBN-13: 978-9352604180 Reference Books:	Hadoop 2 Ec 0351	osystem", 1 <sup>st</sup> Edition, Pear	rson Education,
<ol> <li>Tom White, "Hadoop: T 2015.ISBN-13: 978-9352130</li> <li>Boris Lublinsky, Kevin 7</li> </ol>	672		·

Solutions'', 1<sup>st</sup>Edition, Wrox Press, 2014ISBN-13: 978-8126551071
3) Eric Sammer,''Hadoop Operations: A Guide for Developers and Administrators'',1<sup>st</sup>Edition, O'Reilly Media, 2012.ISBN-13: 978-9350239261

[As per Choice E (Effective fro	Based Credit Sy	COMPUTING stem (CBCS) scheme] year 2017 - 2018) VIII	
Subject Code	17CS831	IA Marks	40
Number of Lecture Hours/Week	3	Exam Marks	60
Total Number of Lecture Hours	40	Exam Hours	03
Module – 1	CREDITS –	03	Teaching Hours
<b>Introduction: Computational S</b> Science and Engineering Application of Computational Complexity, I Granularity and Partitioning, Loo methods for parallel programming, scale, multi-discipline applications) <b>Module – 2</b>	ns; characteristic Performance: n cality: temporal	cs and requirements, Renetrics and measurem /spatial/stream/kernel,	eview nents, Basic
High-End Computer Systems : M Homogeneous and Heterogeneous, Vector Computers, Distributed M Petascale Systems, Application Acc computers: Stream, multithreaded, a Module – 3	Shared-memory Memory Comp elerators / Recor	Symmetric Multiproces uters, Supercomputers ofigurable Computing, N	ssors, and
<b>Parallel Algorithms:</b> Parallel m Techniques: Balanced Trees, Pointe Regular Algorithms: Matrix operation Lists, Trees, Graphs, Randomi Generators, Sorting, Monte Carlo tec	r Jumping, Dividons and Linear A ization: Paralle	de and Conquer, Partitio	oning, thms:
Module – 4 Parallel Programming: Revealin Functional Parallelism, Task Sche Primitives (collective operations), SI I/O and File Systems, Parallel Mat Partitioning Global Address Space Arrays)	eduling, Synchr PMD Programm tlabs (Parallel M	onization Methods, Pa ing (threads, OpenMP, I Iatlab, Star-P, Matlab I	rallel MPI), MPI),
Module – 5 Achieving Performance: Measur bottlenecks, Restructuring application applications for heterogeneous rest frameworks	ons for deep mer	nory hierarchies, Partition	oning
<ul> <li>Course outcomes: The students shote</li> <li>Illustrate the key factors affered</li> <li>Illustrate mapping of applicate</li> <li>Apply hardware/software co- applications</li> </ul> Question paper pattern: The question paper will have ten que There will be 2 questions from each	cting performand ions to high-perf -design for achie estions.	Formance computing sys	

	Books:
1.	Introduction to Parallel Computing, AnanthGrama, Anshul Gupta, George Karyp and Vipin Kumar, 2nd edition, Addison-Welsey, 2003.
2.	Petascale Computing: Algorithms and Applications, David A. Bader (Ed.), Chapm & Hall/CRC Computational Science Series, 2007
Refere	ence Books:
1.	Grama, A. Gupta, G. Karypis, V. Kumar, An Introduction to Parallel Computir Design and Analysis of Algorithms: 2/e, Addison-Wesley, 2003.
2.	G.E. Karniadakis, R.M. Kirby II, Parallel Scientific Computing in C++ and MPI: Seamless Approach to Parallel Algorithms and their Implementation, Cambrid University Press,2003.
3.	Wilkinson and M. Allen, Parallel Programming: Techniques and Applications Usi Networked Workstations and Parallel Computers, 2/E, Prentice Hall, 2005.
4	M.J. Quinn, Parallel Programming in C with MPI and OpenMP, McGraw-Hill, 2004
	G.S. Almasi and A. Gottlieb, Highly Parallel Computing, 2/E, Addison-Wesley, 199
-	hardware/Software Approach", Morgan Kaufmann, 1999.
7.	hardware/Software Approach", Morgan Kaufmann, 1999. Kai Hwang, "Scalable Parallel Computing", McGraw Hill 1998.
7.	

US	ER INTERFACE	DESIGN	
[As per Choice Based Credit System (CBCS) scheme] (Effective from the academic year 2016 -2017)			
Subject Code	17CS832	IA Marks	40
Number of Lecture Hours/Week	03	Exam Marks	60
Total Number of Lecture Hours	40	Exam Hours	03
	CREDITS – 0	3	
Course Objectives: This course wil	ll enable students		
• To study the concept of menu	s, windows, interf	aces.	
• To study about business func	tions.		
• To study the characteristics a	nd components of	windows and the various	controls for
the windows.	_		
• To study about various proble	ems in window des	sign with text, graphics.	
<ul> <li>To study the testing methods.</li> </ul>		"Gn with tont, Bruphies.	
· · ·			Teaching
Module –1			Hours
The User Interface-Introduction, Ov	arview The impo	rtance of user interface	IIUUIS
	-		08 Hours
Defining the user interface, The imp			08 Hours
graphical and web user interfaces, Pr	inciples of user in	terface design.	
Module –2			1
The User Interface Design process-		-	
in Design, Human Interaction spee	ds, Business func	tions-Business definition	08 Hours
and requirement analysis, Basic busic	ness functions, De	sign standards.	
Module –3			
System menus and navigation sch	emes- Structures	of menus, Functions of	f
menus, Contents of menus, Formatti	ng of menus, Phra	using the menu, Selecting	08 Hours
menu choices, Navigating menus, Ki	-		
Module-4			-
Windows - Characteristics, Comp	onents of window	w. Window presentation	1
styles, Types of window, Window n		-	
Window operations, Web systems, C		-	,
Module–5			
Screen based controls- Operable	control Text co	ntrol Selection control	
Custom control, Presentation control			' 08 Hours
<b>Course outcomes:</b> The Students sho	·	nototypes, kinds of tests.	
<ul> <li>Design the User Interface, desi</li> </ul>		windows creation and a	opposition botwoon
menus and windows.	gii, menu creation	,windows creation and co	
Question paper pattern:			
The question paper will have ten que	stions		
There will be 2 questions from each			
Each question will have questions co		es under a module	
The students will have to answer 5 ft			m each module
	in questions, selec	ung one run question mol	
Text Book:	atial Cuida to U.	Interface Design" Ist.	Wilow P-
1. Wilbert O. Galitz, "The Essen	inial Guide to Usel	meriace Design . John	whey a
Sons, Second Edition 2002.		8,	5

## **Reference Books:**

- 1. Ben Sheiderman, "Design the User Interface", Pearson Education, 1998.
- 2. Alan Cooper, "The Essential of User Interface Design", Wiley- Dream Tech
  - Ltd.,2002

[As per Choice]	v	stem (CBCS) scheme] 2 year 2017 - 2018)	
Subject Code	17CS833	IA Marks	40
Number of Lecture Hours/Week	3	Exam Marks	60
Total Number of Lecture Hours	40 <b>CREDITS</b> –	Exam Hours	03
Module – 1	CREDITS -	03	Teachin Hours
<b>Introduction:</b> Analogy of Tele Telecommunication Network Dis Based Networks: The Internet an Standards- Communication Archit Histories of Networking and Ma Filtering Does Not Reduce Load of Challenges of Information Technol Organization, and Functions- O Provisioning, Network Operations Maintenance; Network and System platform, Current Status and Future <b>Module – 2</b>	tributed comput id Intranets, Con ectures, Protocol nagement – The on Node, Some C ogy Managers, N Goal of Netwo s and the NOC Management, N	ing Environments, TC nmunications Protocol Layers and Services; e Importance of topol Common Network Prob letwork Management; Ne rk Management, Ne c, Network Installation etwork Management S	CP/IP- s and Case logy , blems; Goals, twork n and
Basic Foundations: Standards, Mo Standards, Network Management Model – Management Informat Communication Model; ASN.1- Objects and Data Types, Object Na Encoding Structure; Macros, Functi	Model, Organ ion Trees, Mar Terminology, S ames, An Examp	ization Model, Inform naged Object Perspec Symbols, and Conven	nation ctives, ntions,
Module – 3 SNMPv1 Network Management: Management, Internet Organization SNMP Model, The Organization Model – Introduction, The Struc Objects, Management Information The SNMP Architecture, Adminis Operations, SNMP MIB Group, RMON: Remote Monitoring, RMO Conventions, RMON1 Groups and Data Tables, RMON1 Common Extension Groups, RMON2 – Th RMON2 Conformance Specificatio Module – 4 Broadband Access Networks,	ons and standard Model, System ture of Manager Base. The SNM trative Model, S Functional Mo N SMI and MIB Functions, Relate and Ethernet G ne RMON2 Mar	s, Internet Documents Overview. The Inform ment Information, Mai IP Communication Mo NMP Specifications, S del SNMP Manageme , RMONI1- RMON1 To ionship Between Contro roups, RMON Token nagement Information	s, The nation naged odel – SNMP ent – extual ol and Ring
Technology: The Broadband LAI Termination System, The HFC Pla Over Cable, Reference Architectu CMTS Management, HFC Link M Technology; Asymmetric Digital	N, The Cable M nt, The RF Spect re; HFC Manag anagement, RF S	Aodem, The Cable M rum for Cable Modem; ement – Cable Moden Spectrum Management,	lodem ; Data n and , DSL

ADSL Access Network in an Overall Network, ADSL Architecture, ADSL Channeling Schemes, ADSL Encoding Schemes; ADSL Management – ADSL Network Management Elements, ADSL Configuration Management, ADSL Fault Management, ADSL Performance Management, SNMP-Based ADSL Line MIB, MIB Integration with Interfaces Groups in MIB-2, ADSL Configuration Profiles

## Module – 5

Network Management Applications: Configuration Management- Network Provisioning, Inventory Management, Network Topology, Fault Management-Fault Detection, Fault Location and Isolation 24 Techniques, Performance Management – Performance Metrics, Data Monitoring, Problem Isolation, Performance Statistics; Event Correlation Techniques – Rule-Based Reasoning, Model-Based Reasoning, CaseBased Reasoning, Codebook correlation Model, State Transition Graph Model, Finite State Machine Model, Security Management – Policies and Procedures, Security Breaches and the Resources Needed to Prevent Them, Firewalls, Cryptography, Authentication and Authorization, Client/Server Authentication Systems, Messages Transfer Security, Protection of Networks from Virus Attacks, Accounting Management, Report Management, Policy- Based Management, Service Level Management. **Course outcomes:** The students should be able to:

- Analyze the issues and challenges pertaining to management of emerging network technologies such as wired/wireless networks and high-speed internets.
- Apply network management standards to manage practical networks
- Formulate possible approaches for managing OSI network model.
- Infer SNMP for managing the network
- Infer RMON for monitoring the behavior of the network
- Identify the various components of network and formulate the scheme for the managing them

## **Question paper pattern:**

The question paper will have ten questions.

There will be 2 questions from each module.

Each question will have questions covering all the topics under a module.

The students will have to answer 5 full questions, selecting one full question from each module.

## Text Books:

1. Mani Subramanian: Network Management- Principles and Practice, 2nd Pearson Education, 2010.

#### **Reference Books:**

1. J. Richard Burke: Network management Concepts and Practices: a Hands-On Approach, PHI, 2008.

[As per Choice ]	Based Credit Sys	D SIMULATION stem (CBCS) scheme] year 2017 - 2018)			
、 、	SEMESTER - Y				
Subject Code	17CS834	IA Marks	40		
Number of Lecture Hours/Week   3   Exam Marks					
Total Number of Lecture Hours	40	Exam Hours	03		
	CREDITS – (	)3			
Module – 1			Teaching Hours		
<b>Introduction:</b> When simulation appropriate, Advantages and disady Systems and system environment continuous systems, Model of a syst Simulation Simulation examples: <b>Principles, Simulation Software:</b> Event-Scheduling / Time-Advance Scheduling <b>Module – 2</b>	vantages of Simu t; Components of tem; Types of Mo Simulation of Concepts in Disc	of a system; Discrete odels, Discrete-Event Sy queuing systems. Ge crete-Event Simulation	ation, e and ystem eneral . The		
process, Empirical distributions. <b>Queuing Models:</b> Characteristics of measures of performance of queuin of queuing systems cont,Steady- queues,	butions. Contin queuing systems g systems,Long-r	uous distributions,Po s,Queuing notation,Lon un measures of perform	bisson Ig-run nance		
Module – 3 Random-NumberGeneration:Prop pseudo-random numbers, Techniqu Random Numbers, Random-Varia Acceptance-Rejection technique.	les for generating	g random numbers,Tes	ts for		
Module – 4 Input Modeling: Data Collection Parameter estimation, Goodness of process, Selecting input models with models. Estimation of Absolute Perform output analysis ,Stochastic nature of their estimation, Contd	f Fit Tests, Fittin hout data, Multiv <b>ance:</b> Types of	ng a non-stationary Po ariate and Time-Series simulations with respo	bisson input ect to		
Module – 5 Measures of performance and their simulations Continued,Output anal Verification, Calibration And V verification and validation, Verific simulation models,Calibration and Simulation.	ysis for steady-st Validation: Optication of simulat	ate simulations. imization: Model buil ion models, Verification	lding, on of		

- Explain the system concept and apply functional modeling method to model the activities of a static system
- Describe the behavior of a dynamic system and create an analogous model for a dynamic system;
- Illustrate the operation of a dynamic system and make improvement according to the simulation results.

#### **Question paper pattern:**

The question paper will have ten questions.

There will be 2 questions from each module.

Each question will have questions covering all the topics under a module.

The students will have to answer 5 full questions, selecting one full question from each module.

#### **Text Books:**

1. Jerry Banks, John S. Carson II, Barry L. Nelson, David M. Nicol: Discrete-Event System Simulation, 5 th Edition, Pearson Education, 2010.

- 1. Lawrence M. Leemis, Stephen K. Park: Discrete Event Simulation: A First Course, Pearson Education, 2006.
- 2. Averill M. Law: Simulation Modeling and Analysis, 4 th Edition, Tata McGraw-Hill, 2007

[As per Choi	SHIP / PROFESSIC ice Based Credit Sy e from the academic SEMESTER –	stem (CBCS) scheme c year 2017 -2018)	]
Subject Code	17CS84	IA Marks	50
Duration	4 weeks	Exam Marks	50
		Exam Hours	03
	CREDITS –	02	
Description (If any): With reference to th are the guidelines to be fo circular as cited in ref (i) is 1) As per the 150B.9 the Inte	llowed for the Inte hereby withdrawr	ernship Programme n:	and the earlie
<ul> <li>has been reduced to Four v Semester) Vacation and/or (V</li> <li>2) The internship can be car Institute/ Educational institute</li> </ul>	veeks and it should /II and VIII Semester ried out in any Indu	1 be carried out betw r) Vacation.	ween (VI and V
<ul> <li>3) The Institutions may al platform for free internship of the affiliated Institutions</li> <li>4) The Examination of Interproject Viva-voce examination</li> </ul>	os as there is a Mo s ( <u>https://internsh</u> ernship will be car	U with the AICTE fond the second seco	or the beneficia
5) (a) The Department/colleg supervise students under in internship at least once durin	nternship. (b) The	Internal Guide has	
6) The students shall report intervals and seek his/her ac		ne internship to the	guide in regula
7) After the completion of In and attendance certificates t internal and external guides.	to the Head of the l		
8) The Examination of Inte Project Viva-voce examinat	-	rried out in line with	h the Universi
9) There will be 50 marks fo for Viva – Voce conducted du be 50% of the maximum mar	aring SEE. The min		
10) The internal guide shall evaluation. He/she will also SEE.			
11) The external guide from Internship. Viva-Voce on internation of the Viva-Voce shall be fixed in c jointly award the Viva - Voce	ernship shall be con onsultation with the	nducted at the colleg	e and the date

12) In case the external Guide expresses his inability to conduct viva voce, the Chief Superintendent of the institution shall appoint a senior faculty of the Department to conduct viva-voce along with the internal guide. The same shall be informed in writing to the concerned Chairperson, Board of Examiners (BOE).

13) The students are permitted to carry out the internship anywhere in India or abroad. The University will not provide any kind of financial assistance to any student for carrying out the Internship.

0.01

**Course outcomes:** The students should be able to:

- 1. Adapt easily to the industry environment
- 2. Take part in team work
- 3. Make use of modern tools
- 4. Decide upon project planning and financing.
- 5. Adapt ethical values.
- 6. Motivate for lifelong learning

	OJECT WORK		
		ystem (CBCS) scheme]	
(Effective f		ic year 2017 -2018)	
Subject Code	SEMESTER - 17CSP85	IA Marks	100
8			
Number of Lecture Hours/Week	06	Exam Marks	100
Total Number of Lecture Hours		Exam Hours	03
	CREDITS -	- 00	
Description (If any):	r .••	T 1 /	
• Project: Carried out at the		•	
• Project work shall prefer	•	ise, the strength of eac	ch batch shall no
exceed maximum of four s			
• Viva-voce examination in			
• For Project Phase –I and I	roject seminar a	nd Project Phase –II, the	e CIE shall be IU
respectively.		·	1. 1
• The CIE marks in the c			
evaluation at the end of V			
concerned Department an whom shall be the project		uity members of the D	epartment, one o
	-	roiget work shall be 500	of the maximu
• Minimum requirement of marks.		loject work shall be 50%	
<ul> <li>Students failing to secure</li> </ul>	a minimum of 5(	0% of the CIE marks in	Draigat work she
not be eligible for the Proj			
be considered as failed			• •
University examinations			
backlog Courses if any. St			
in the Course/s when offer			
• Improvement of CIE mar			
already secured the minim			
• For a pass in a Project/Vi			ure a minimum o
40% of the maximum			
Minimum Passing Grade in	-	•	
• The student who desires to	reject the result	s of a semester shall reje	ect performance
all the Courses of the ser	mester, irrespecti	ve of whether the stud	ent has passed of
failed in any Course. How	ever, the rejection	n of performance of VI	II semester proje
shall not be permitted			
Course outcomes: The students si	hould be able to:		
1. Identify a issue and derive	problem related	to society, environment,	economics,
energy and technology			
2. Formulate and Analyze the	-	-	
3. Determine , dissect, and es	-	-	
4. Evaluate the solution by co	-	ndard data / Objective fu	inction and by
using appropriate performa		/ 11'1' /1 (* 1' *	. 1
5. Compile the report and tak	e part in present	publishing the finding i	n a reputed
conference / publications	• • • • • • • • • • • • • • • • • • • •	/ 1	

6. Attempt to obtain ownership of the solution / product developed.

	SEMINAR		
[As per Choice <b>H</b>		tem (CBCS) scheme]	
		year 2017 -2018)	
	SEMESTER - V	VIII	
Subject Code	17CSS86	IA Marks	100
Number of Lecture Hours/Week	04	Exam Marks	
Total Number of Lecture Hours		Exam Hours	
	<b>CREDITS</b> – 0	1	
Description:			
• Seminar: Deliverable at the l	Institution under t	he supervision of a Fa	aculty.
• Seminar is one of the head	of passing. i) Eac	h candidate shall deli	ver seminar as per
the Scheme of Teaching an	nd Examination of	on the topics chosen	from the relevant
fields for about 30 minutes.	ii) The Head of the	he Department shall r	nake arrangements
for conducting seminars three	ough concerned fa	aculty members of th	e Department. The
committee constituted for th	e purpose by the	Head of the Departme	ent shall award the
CIE marks for the seminar	. The committee	shall consist of three	e faculty from the
Department and the senior	most acting as t	he Chairman/Chairpe	erson. [To be read
along with 17 OB 8.6]	-		
• For Technical seminar, the C	CIE marks shall be	e 100.	
• The CIE marks in the case of	f projects and sen	ninars in the final yea	r shall be based or
the evaluation at the end of	VIII semester by	a committee consist	ing of the Head of
the concerned Department a			
whom shall be the project / s		·	1
• For seminar, the minimum r	requirement of Cl	E marks shall be 40%	% of the maximum
marks.			
• If any student fails to secu	re a minimum o	f 40% of the maxim	um CIE marks in
seminar/ fails to deliver th	e seminar, he/sh	e shall be considered	d as failed in that
Course and shall not be elig	gible for the awar	d of degree. Howeve	r, the student shall
become eligible for the awa	rd of degree afte	r satisfying the requir	rements prescribed
for seminar during the subse	quent semester/s.		
• Improvement of CIE marks	shall not be allo	wed in Seminar whe	ere the student has
already secured the minimur			
• Seminar topics must be from	recent advancem	ents in the domain.	
• Each candidate must submit			tment. One for the
candidate, one for the guide	1	1 1	
Course outcomes: The students sho			
• Survey the changes in the te	echnologies releva	ant to the topic selecte	ed
• Discuss the technology and	-	_	
domain.			
• Compile report of the study	1		

## **B.E E&C EIGTH SEMESTER SYLLABUS**

#### WIRELESS CELLULAR and LTE 4G BROADBAND B.E., VIII Semester, Electronics & Communication Engineering/ **Telecommunication Engineering** [As per Choice Based Credit System (CBCS) Scheme] **Course Code** 17EC81 **CIE Marks** 40 Number of 04 SEE Marks 60 Lecture Total Number 50 (10 Hours / Module) Exam Hours 03 **CREDITS – 04**

**Course Objectives:** This course will enable students to:

- Understand the basics of LTE standardization phases and specifications.
- Explain the system architecture of LTE and E-UTRAN, the layer of LTE, based on the use of OFDMA and SC-FDMA principles.
- Analyze the role of LTE radio interface protocols to set up, reconfigure and release the Radio Bearer, for transferring the EPS bearer.
- Analyze the main factors affecting LTE performance including mobile speed and transmission bandwidth.

Module – 1

**Key Enablers for LTE features:** OFDM, Single carrier FDMA, Single carrier FDE, Channel Dependent Multiuser Resource Scheduling, Multi antenna Techniques, IP based Flat network Architecture, LTE Network Architecture. (Sec 1.4-1.5 of Text).

**Wireless Fundamentals:** Cellular concept, Broadband wireless channel (BWC), Fading in BWC, Modeling BWC – Empirical and Statistical models, Mitigation of Narrow band and Broadband Fading (Sec 2.2 – 2.7of Text). **L1, L2** 

Module – 2

**Multicarrier Modulation:** OFDM basics, OFDM in LTE, Timing and Frequency Synchronization, PAR, SC-FDE (Sec 3.2 – 3.6 of Text).

**OFDMA and SC-FDMA:**OFDM with FDMA,TDMA,CDMA, OFDMA, SC-FDMA, OFDMA and SC-FDMA in LTE (Sec 4.1 – 4.3, 4.5 of Text).

**Multiple Antenna Transmission and Reception:** Spatial Diversity overview, Receive Diversity, Transmit Diversity, Interference cancellation and signal enhancement, Spatial Multiplexing, Choice between Diversity, Interference suppression and Spatial Multiplexing (Sec 5.1 – 5.6 of Text). **L1, L2** 

## Module – 3

**Overview and Channel Structure of LTE:** Introduction to LTE, Channel Structure of LTE, Downlink OFDMA Radio Resource, Uplink SC-FDMA Radio Resource(Sec 6.1 – 6.4 of Text).

Downlink Transport Channel Processing: Overview, Downlink shared

channels, Downlink Control Channels, Broadcast channels, Multicast channels, Downlink physical channels, H-ARQ on Downlink(Sec 7.1 – 7.7 of Text). **L1, L2** 

Module – 4

**Uplink Channel Transport Processing:** Overview, Uplink shared channels, Uplink Control Information, Uplink Reference signals, Random Access Channels, H-ARQ on uplink (Sec 8.1 – 8.6 of Text).

**Physical Layer Procedures:** Hybrid – ARQ procedures, Channel Quality Indicator CQI feedback, Precoder for closed loop MIMO Operations, Uplink channel sounding, Buffer status Reporting in uplink, Scheduling and Resource Allocation, Cell Search, Random Access Procedures, Power Control in uplink(Sec 9.1-9.6, 9.8, 9.9, 9.10 Text). **L1, L2** 

## Module – 5

## Radio Resource Management and Mobility Management:

PDCP overview, MAC/RLC overview, RRC overview, Mobility Management, Intercell Interference Coordination (Sec 10.1 – 10.5 of Text). **L1, L2** 

**Course Outcomes:** At the end of the course, students will be able to:

- Understand the system architecture and the functional standard specified in LTE 4G.
- Analyze the role of LTE radio interface protocols and EPS Data convergence protocols to set up, reconfigure and release data and voice from users.
- Demonstrate the UTRAN and EPS handling processes from set up to release including mobility management for a variety of data call scenarios.
- Test and Evaluate the Performance of resource management and packet data processing and transport algorithms.

## **Text Book:**

Arunabha Ghosh, Jan Zhang, Jefferey Andrews, Riaz Mohammed, 'Fundamentals of LTE', Prentice Hall, Communications Engg. and Emerging Technologies.

- LTE for UMTS Evolution to LTE-Advanced' Harri Holma and Antti Toskala, Second Edition - 2011, John Wiley & Sons, Ltd. Print ISBN: 9780470660003.
- 'EVOLVED PACKET SYSTEM (EPS) ; THE LTE AND SAE EVOLUTION OF 3G UMTS' by Pierre Lescuyer and Thierry Lucidarme, 2008, John Wiley & Sons, Ltd. Print ISBN:978-0-470-05976-0.
- 'LTE The UMTS Long Term Evolution ; From Theory to Practice' by Stefania Sesia, Issam Toufik, and Matthew Baker, 2009 John Wiley & Sons Ltd, ISBN 978-0-470-69716-0.

		and NETWORKS	•			
•	mester, Electronic					
[As per Choice Based Credit System (CBCS) Scheme]Course Code17EC82CIE Marks40						
Number of	172082					
Lecture	4	SEE Marks	60			
Hours/Week	•					
Total Number of Lecture Hours	50(10 Hours / Module)	Exam Hours	03			
		TS - 04				
<b>Course Objectives:</b>	This course will en	able students to:				
<ul> <li>modes of light pr</li> <li>Understand the t</li> <li>Study of optical of networks.</li> <li>Learn the network</li> </ul>	cransmission charac components and its	cteristics and loss applications in o cal fiber and und				
		ule -1				
-	ength, Mode field d crystal fibers. (Tex	iameter, effective	ex fibers, Single mode refractive index. Fiber			
Transmission ch			Attenuation, Materia			
absorption losses, bend loss, Dispe Multimode step ind	Linear scattering lo ersion, Chromatic lex fiber. <b>nnectors:</b> Fiber al	osses, Nonlinear s dispersion, In ignment and join	acattering losses, Fiber atermodal dispersion nt loss, Fiber splices			
	Mod	ule -3				
Emitting diodes: LE and LED Power, Me	Energy Bands, I ED Structures, Ligh odulation. Laser D ternal Quantum E	Direct and India t Source Material iodes: Modes and Afficiency, Resona	rect Bandgaps, Light s, Quantum Efficiency Threshold conditions ant frequencies, Laser asers.			
<b>Photodetectors:</b> If Detector response t	• • •	of Photodiodes,	Photodetector noise			
-	Optical Receiver r sensitivity, Quant	-	r sources, Front End L1, L2			

**WDM Concepts and Components:** Overview of WDM: Operational Principles of WDM, WDM standards, Mach-Zehnder Interferometer Multiplexers, Isolators and Circulators, Fiber grating filters, Dielectric Thin-Film Filters, Diffraction Gratings, Active Optical Components, Tunable light sources,

**Optical amplifiers:** Basic application and Types, Semiconductor optical amplifiers, Erbium Doped Fiber Amplifiers, Raman Amplifiers, Wideband Optical Amplifiers. (Text 1) **L1, L2** 

## Module -5

**Optical Networks:** Optical network evolution and concepts: Optical networking terminology, Optical network node and switching elements, Wavelength division multiplexed networks, Public telecommunication network overview. Optical network transmission modes, layers and protocols: Synchronous networks, Asynchronous transfer mode, OSI reference model, Optical transport network, Internet protocol, Wavelength routing networks: Routing and wavelength assignment, Optical switching networks: Optical circuit switched networks, packet switched networks, Multiprotocol Label Switching, Optical burst switching networks, Optical network deployment: Long-haul networks, Metropoliton area networks, Access networks, Local area networks. (Text 2) **L1, L2** 

**Course Outcomes:** At the end of the course, students will be able to:

- 1. Classification and working of optical fiber with different modes of signal propagation.
- 2. Describe the transmission characteristics and losses in optical fiber communication.
- 3. Describe the construction and working principle of optical connectors, multiplexers and amplifiers.
- 4. Describe the constructional features and the characteristics of optical sources and detectors.
- 5. Illustrate the networking aspects of optical fiber and describe various standards associated with it.

## Text Books:

- 1. Gerd Keiser , Optical Fiber Communication, 5<sup>th</sup> Edition, McGraw Hill Education(India) Private Limited, 2015. ISBN:1-25-900687-5.
- John M Senior, Optical Fiber Communications, Principles and Practice, 3<sup>rd</sup> Edition, Pearson Education, 2010, ISBN:978-81-317-3266-3

## **Reference Book:**

Joseph C Palais, Fiber Optic Communication, Pearson Education, 2005, ISBN:0130085103

MICR	O ELECTRO MECHANICA	LSYSTEMS				
	ter, Electronics & Commu		ering/			
	Felecommunication Engin	-				
	[As per Choice Based Credit System (CBCS) Scheme]Course Code17EC831CIE Marks40					
Number of Lecture	03	SEE Marks 60				
Hours/Week	00	GDD MAIKS				
Total Number of	40 (8 Hours per Module)	Exam Hours	03			
Lecture Hours	io (o moulo por moulo)					
	CREDITS - 03					
Course Objectives:	This course will enable stud	ents to:				
•	erview of microsystems, thei		l			
application area	as.					
Working princip	oles of several MEMS device	s.				
• Develop mather	natical and analytical mode	ls of MEMS devid	ces.			
• Know methods	to fabricate MEMS devices.					
<ul> <li>Various applica</li> </ul>	tion areas where MEMS dev	vices can be used	l.			
	Module 1					
<b>Overview of MEMS</b>	and Microsystems: MEMS	and Microsyste	em, Typical			
	systems Products, Evolu					
Microsystems and			Nature of			
5	urization. Applications and	1 0				
	Module 2	· · · ·				
Working Principles	s of Microsystems: In	troduction, Mi	crosensors,			
Microactuation, MI	EMS with Microactuate	ors, Microacce	lerometers,			
Microfluidics.						
• •	ce for Microsystems I	•				
Introduction, Molecu	llar Theory of Matter an	d Inter-molecul	lar Forces,			
Plasma Physics, Elect	•					
	Module 3					
• •	nics for Microsystems D	•	-			
6	es, Mechanical Vibration, 7					
,	m Mechanics, Overview	on Finite Elem	ent Stress			
Analysis. L1, L2, L3						
	Module 4					
Scaling Laws in M	liniaturization: Introducti	on, Scaling in	Geometry,			
Scaling in Rigid-Body	Dynamics, Scaling in Elec	trostatic Forces,	, Scaling in			
Fluid Mechanics, Sca	ling in Heat Transfer. <b>L1,</b> 2	L2, L3				
	Module 5					

**Overview of Micromanufacturing:** Introduction, Bulk Micromanufacturing, Surface Micromachining, The LIGA Process, Summary on Micromanufacturing. **L1, L2** 

**Course Outcomes:** After studying this course, students will be able to:

- Appreciate the technologies related to Micro Electro Mechanical Systems.
- Understand design and fabrication processes involved with MEMS devices.
- Analyse the MEMS devices and develop suitable mathematical models
- Know various application areas for MEMS device

## Text Book:

Tai-Ran Hsu, MEMS and Micro systems: Design, Manufacture and Nanoscale Engineering, 2<sup>nd</sup> Ed, Wiley.

- 1. Hans H. Gatzen, Volker Saile, JurgLeuthold, Micro and Nano Fabrication: Tools and Processes, Springer, 2015.
- 2. Dilip Kumar Bhattacharya, Brajesh Kumar Kaushik, Microelectromechanical Systems (MEMS), Cenage Learning.

B.E., VIII S		PROCESSING cs & Communication	Engineering/
	Telecommuni	cation Engineering	
[As p	er Choice Based Cr	edit System (CBCS)	Scheme]
Course Code	17EC832	CIE Marks	40
Number of Lecture Hours/Week	03	SEE Marks	60
Total Number of Lecture Hours	40 (8 Hours / Module)	Exam Hours	03
	CRE	DITS – 03	

**Course Objectives:** This course enables students to:

- Introduce the models for speech production
- Develop time and frequency domain techniques for estimating speech parameters
- Introduce a predictive technique for speech compression
- Provide fundamental knowledge required to understand and analyse speech recognition, synthesis and speaker identification systems.

## Module-1

**Fundamentals of Human Speech Production:** The Process of Speech Production, Short-Time Fourier Representation of Speech, The Acoustic Theory of Speech Production, Lossless Tube Models of the Vocal Tract, Digital Models for Sampled Speech Signals. **L1, L2** 

#### Module-2

**Time-Domain Methods for Speech Processing:** Introduction to Short-Time Analysis of Speech, Short-Time Energy and Short-Time Magnitude, Short-Time Zero-Crossing Rate, The Short-Time Autocorrelation Function, The Modified Short-Time Autocorrelation Function, The Short-Time Average Magnitude Difference Function. **L1, L2** 

## Module-3

**Frequency Domain Representations:** Discrete-Time Fourier Analysis, Short-Time Fourier Analysis, Spectrographic Displays, Overlap Addition(OLA),Method of Synthesis, Filter Bank Summation(FBS) Method of Synthesis, Time-Decimated Filter Banks, Two-Channel Filter Banks, Implementation of the FBS Method Using the FFT, OLA Revisited, Modifications of the STFT. **L1, L2** 

## Module-4

**The Cepstrum and Homomorphic Speech Processing:** Homomorphic Systems for Convolution, Homomorphic Analysis of the Speech Model, Computing the Short-Time Cepstrum and Complex Cepstrum of Speech, Homomorphic Filtering of Natural Speech, Cepstrum Analysis of All-Pole Models, Cepstrum Distance Measures. L1, L2, L3

Module-5

**Linear Predictive Analysis of Speech Signals:** Basic Principles of Linear Predictive Analysis, Computation of the Gain for the Model, Frequency Domain Interpretations of Linear Predictive Analysis, Solution of the LPC Equations, The Prediction Error Signal, Some Properties of the LPC Polynomial A(z), Relation of Linear Predictive Analysis to Lossless Tube Models, Alternative Representations of the LP Parameters. L1, L2, L3

**Course outcomes:** Upon completion of the course, students will be able to:

- Model speech production system and describe the fundamentals of speech.
- Extract and compare different speech parameters.
- Choose an appropriate speech model for a given application.
- Analyse speech recognition, synthesis and speaker identification systems

## **Text Book:**

**Theory and Applications of Digital Speech Processing-**Rabiner and Schafer, Pearson Education 2011

- 1. **Fundamentals of Speech Recognition-** Lawrence Rabiner and Biing-Hwang Juang, Pearson Education, 2003.
- 2. Speech and Language Processing-An Introduction to Natural Language Processing, Computational Linguistics, and Speech Recognition- Daniel Jurafsky and James H Martin, Pearson Prentice Hall 2009.

## RADAR ENGINEERING B.E., VIII Semester, Electronics & Communication Engineering/ Telecommunication Engineering [As per Choice Based Credit System (CBCS) Scheme]

Course Code	17EC833	CIE Marks	40
Number of Lecture	03	SEE Marks	60
Hours/Week			
Total Number of	40 (8 Hours / Module)	Exam Hours	03
Lecture Hours			
	CREDITS - 03		

## **Course objectives:** This course will enable students to:

- Understand the Radar fundamentals and analyze the radar signals.
- Understand various technologies involved in the design of radar transmitters and receivers.
- Learn various radars like MTI, Doppler and tracking radars and their comparison

#### **Module-1**

**Basics of Radar**: Introduction, Maximum Unambiguous Range, Radar Waveforms, Definitions with respect to pulse waveform - PRF, PRI, Duty Cycle, Peak Transmitter Power, Average transmitter Power.

**Simple form of the Radar Equation**, Radar Block Diagram and Operation, Radar Frequencies, Applications of Radar, The Origins of Radar, Illustrative Problems. (Chapter 1 of Text) **L1, L2, L3** 

#### Module-2

**The Radar Equation:** Prediction of Range Performance, Detection of signal in Noise, Minimum Detectable Signal, Receiver Noise, SNR, Modified Radar Range Equation, Envelope Detector — False Alarm Time and Probability, Probability of Detection, **Radar Cross Section of Targets:** simple targets – sphere, cone-sphere, Transmitter Power, PRF and Range Ambiguities, System Losses (qualitative treatment), Illustrative Problems. (Chapter 2 of Text, Except 2.4, 2.6, 2.8 & 2.11) **L1, L2, L3** 

#### Module-3

**MTI and Pulse Doppler Radar:** Introduction, Principle, Doppler Frequency Shift, Simple CW Radar, Sweep to Sweep subtraction and Delay Line Canceler, MTI Radar with – Power Amplifier Transmitter, Delay Line Cancelers — Frequency Response of Single Delay- Line Canceler, Blind Speeds, Clutter Attenuation, MTI Improvement Factor, N- Pulse Delay-Line Canceler,

**Digital MTI Processing** – Blind phases, I and Q Channels, Digital MTI Doppler signal processor, Moving Target Detector- Original MTD. (Chapter 3: 3.1, 3.2, 3.5, 3.6 of Text) **L1, L2, L3** 

## Tracking Radar:

#### Module-4

Tracking with Radar- Types of Tracking Radar Systems, Monopulse Tracking-Amplitude Comparison Monopulse (one-and two-coordinates), Phase Comparison Monopulse.

**Sequential Lobing**, Conical Scan Tracking, Block Diagram of Conical Scan Tracking Radar, Tracking in Range, Comparison of Trackers. (Chapter 4: 4.1, 4.2, 4.3 of Text) **L1, L2, L3** 

## Module-5

**The Radar Antenna:** Functions of The Radar Antenna, Antenna Parameters, Reflector Antennas and Electronically Steered Phased array Antennas. (Chapter 9: 9.1, 9.2 9.4,

## 9.5 of Text)

**Radar Receiver:** The Radar Receiver, Receiver Noise Figure, Super Heterodyne Receiver, Duplexers and Receivers Protectors, Radar Displays. (Chapter 11 of Text) **L1, L2, L3** 

**Course outcomes:** At the end of the course, students will be able to:

- Understand the radar fundamentals and radar signals.
- Explain the working principle of pulse Doppler radars, their applications and limitations
- Describe the working of various radar transmitters and receivers.
- Analyze the range parameters of pulse radar system which affect the system performance

## **Text Book:**

Introduction to Radar Systems- Merrill I Skolink, 3e, TMH, 2001.

- 1. Radar Principles, Technology, Applications Byron Edde, Pearson Education, 2004.
- 2. Radar Principles Peebles. Jr, P.Z. Wiley. New York, 1998.
- 3. Principles of Modem Radar: Basic Principles Mark A. Rkhards, James A. Scheer, William A. HoIm. Yesdee, 2013

B E VIII Sem	<b>MACHINE LEARNING</b>		
	ester, Electronics & Commu	nication Engineeri	ng/
	Telecommunication Engin	-	
Course Code	Choice Based Credit System 17EC834	CIE Marks	40
Number of Lecture	03	SEE Marks	60
Hours/Week			
Total Number of Lecture Hours	40 (8 Hours / Module)	Exam Hours	03
	CREDITS – 03		
Course Objectives: This	course will enable students t	0:	
• Introduce some co	ncepts and techniques that ar	e core to Machine L	earning.
Understand learning	ng and decision trees.		
<ul> <li>Acquire knowledge learning.</li> </ul>	e of neural networks, Bayesian	techniques and ins	stant based
Understand analyt	ical learning and reinforced le	earning.	
	Module-1		
• • •	arning systems, Perspectives didate Elimination Algorithm,	-	- 0
	Module-2		
	<b>N:</b> Decision Tree Representa n tree, issues in Decision tree.	Neural Network Re	
	ictworks and Dack Tropagatic	on Algorithms. <b>L1, I</b>	L2
	Module-3	on Algorithms. <b>L1, I</b>	L2
Learning, Maximum Like	<b>Module-3</b> ational Learning: Bayes The elihood, Minimum Description am, Naïve Bayes Classifier. L1	eorem, Bayes Theo: Length Principle, B	rem Concept
Learning, Maximum Like Classifier, Gibbs Algorith	Module-3 ational Learning: Bayes The elihood, Minimum Description am, Naïve Bayes Classifier. L1 Module-4	eorem, Bayes Theo: Length Principle, B I <b>, L2</b>	rem Concep ayes Optima
Learning, Maximum Like Classifier, Gibbs Algorith Instant Based Learning Locally Weighted Regress	Module-3 ational Learning: Bayes The elihood, Minimum Description am, Naïve Bayes Classifier. L1 Module-4 g and Learning set of rules: sion, Radial Basis Functions, G gorithms, Learning Rule Set	eorem, Bayes Theo: Length Principle, B L <b>, L2</b> K- Nearest Neighbo Case-Based Reasoni	rem Concept ayes Optima our Learning ing.
Learning, Maximum Like Classifier, Gibbs Algorith Instant Based Learning Locally Weighted Regress Sequential Covering Alg	Module-3 ational Learning: Bayes The elihood, Minimum Description am, Naïve Bayes Classifier. L1 Module-4 g and Learning set of rules: sion, Radial Basis Functions, G gorithms, Learning Rule Set	eorem, Bayes Theo: Length Principle, B L <b>, L2</b> K- Nearest Neighbo Case-Based Reasoni	rem Concep ayes Optima our Learning ing.
Learning, Maximum Like Classifier, Gibbs Algorith Instant Based Learning Locally Weighted Regress Sequential Covering Alg Learning Sets of First Or Analytical Learning Explanation Based Learning	Module-3 ational Learning: Bayes The elihood, Minimum Description am, Naïve Bayes Classifier. L1 Module-4 g and Learning set of rules: sion, Radial Basis Functions, of gorithms, Learning Rule Set der Rules. L1, L2 Module-5 and Reinforced Learning arning, Inductive-Analytical	eorem, Bayes Theor Length Principle, B I, <b>L2</b> K- Nearest Neighbo Case-Based Reasoni s, Learning First ( Perfect Domain	rem Concep ayes Optima our Learning ing. Order Rules n Theories,
Learning, Maximum Like Classifier, Gibbs Algorith Instant Based Learning Locally Weighted Regress Sequential Covering Alg Learning Sets of First Or Analytical Learning Explanation Based Lea Reinforcement Learning.	Module-3 ational Learning: Bayes The elihood, Minimum Description am, Naïve Bayes Classifier. L1 Module-4 g and Learning set of rules: sion, Radial Basis Functions, of gorithms, Learning Rule Set der Rules. L1, L2 Module-5 and Reinforced Learning arning, Inductive-Analytical	eorem, Bayes Theor Length Principle, B I, <b>L2</b> K- Nearest Neighbo Case-Based Reasoni s, Learning First ( Perfect Domain Approaches, FOCL	rem Concep ayes Optima our Learning ing. Order Rules
Learning, Maximum Like Classifier, Gibbs Algorith Instant Based Learning Locally Weighted Regress Sequential Covering Alg Learning Sets of First Or Analytical Learning Explanation Based Lea Reinforcement Learning. Course outcomes: At th • Understand the co	Module-3 ational Learning: Bayes The elihood, Minimum Description am, Naïve Bayes Classifier. L1 Module-4 g and Learning set of rules: sion, Radial Basis Functions, of gorithms, Learning Rule Set der Rules. L1, L2 Module-5 and Reinforced Learning arning, Inductive-Analytical L1, L2 e end of the course, students re concepts of Machine learning	eorem, Bayes Theor Length Principle, B L, L2 K- Nearest Neighbo Case-Based Reasoni s, Learning First ( Perfect Domair Approaches, FOCL should be able to: ng.	rem Concep ayes Optima our Learning ing. Order Rules n Theories, Algorithm,
Learning, Maximum Like Classifier, Gibbs Algorith Instant Based Learning Locally Weighted Regress Sequential Covering Alg Learning Sets of First Or Analytical Learning Explanation Based Lea Reinforcement Learning. Course outcomes: At th • Understand the co • Appreciate the und	Module-3 ational Learning: Bayes The elihood, Minimum Description am, Naïve Bayes Classifier. L1 Module-4 g and Learning set of rules: sion, Radial Basis Functions, of gorithms, Learning Rule Set der Rules. L1, L2 Module-5 and Reinforced Learning arning, Inductive-Analytical L1, L2 e end of the course, students re concepts of Machine learning derlying mathematical relation	eorem, Bayes Theor Length Principle, B L, L2 K- Nearest Neighbo Case-Based Reasoni s, Learning First ( Perfect Domair Approaches, FOCL should be able to: ng.	rem Concep ayes Optima our Learning ing. Order Rules n Theories, Algorithm,
Learning, Maximum Like Classifier, Gibbs Algorith Instant Based Learning Locally Weighted Regress Sequential Covering Alg Learning Sets of First Or Analytical Learning Explanation Based Lea Reinforcement Learning. Course outcomes: At th • Understand the co • Appreciate the und Machine Learning	Module-3 ational Learning: Bayes The elihood, Minimum Description am, Naïve Bayes Classifier. L1 Module-4 g and Learning set of rules: sion, Radial Basis Functions, of gorithms, Learning Rule Set der Rules. L1, L2 Module-5 and Reinforced Learning arning, Inductive-Analytical L1, L2 e end of the course, students re concepts of Machine learning derlying mathematical relation	eorem, Bayes Theor Length Principle, B L, L2 K- Nearest Neighbo Case-Based Reason s, Learning First ( Perfect Domain Approaches, FOCL should be able to: ng.	rem Concep ayes Optima our Learning ing. Order Rules n Theories, Algorithm,

## **Text Book:**

**Machine Learning-**Tom M. Mitchell, McGraw-Hill Education, (Indian Edition), 2013.

- 1. **Introduction to Machine Learning-** Ethem Alpaydin, 2nd Ed., PHI Learning Pvt. Ltd., 2013.
- 2. **The Elements of Statistical Learning-**T. Hastie, R. Tibshirani, J. H. Friedman, Springer; 1st edition, 2001.

# NETWORK AND CYBER SECURITY B.E., VIII Semester, Electronics & Communication Engineering [As per Choice Based credit System (CBCS) Scheme] Course Code 17EC835

Number of Lecture	03	SEE Marks	60
Hours/Week			
Total Number of	40 (8 Hours per Module)	Exam Hours	03
Lecture Hours			

#### CREDITS – 03

Course Objectives: This course will enable students to:

- Know about security concerns in Email and Internet Protocol.
- Understand cyber security concepts.
- List the problems that can arise in cyber security.
- Discuss the various cyber security frame work.

## Module-1

**Transport Level Security:** Web Security Considerations, Secure Sockets Layer, Transport Layer Security, HTTPS, Secure Shell (SSH) (Text 1: Chapter 15). **L1, L2** 

#### Module-2

**E-mail Security:** Pretty Good Privacy, S/MIME, Domain keys identified mail (Text 1: Chapter 17). **L1, L2** 

## Module-3

**IP Security:** IP Security Overview, IP Security Policy, Encapsulation Security Payload (ESP), Combining security Associations Internet Key Exchange. Cryptographic Suites(Text 1: Chapter 18.) **L1, L2** 

## Module-4

**Cyber network security concepts:** Security Architecture, antipattern: signature based malware detection versus polymorphic threads, document driven certification and accreditation, policy driven security certifications. Refactored solution: reputational, behavioural and entropy based malware detection.

**The problems:** cyber antipatterns concept, forces in cyber antipatterns, cyber anti pattern templates, cyber security antipattern catalog (Text-2: Chapter1 & 2). **L1, L2, L3** 

## Module-5

Cyber network security concepts contd. :

## Enterprise security using Zachman framework

Zachman framework for enterprise architecture, primitive models versus composite models, architectural problem solving patterns, enterprise workshop, matrix mining, mini patterns for problem solving meetings.

**Case study:** cyber security hands on – managing administrations and root accounts, installing hardware, reimaging OS, installing system protection/ antimalware, configuring firewalls (Text-2: Chapter 3 & 4). **L1, L2, L3** 

**Course Outcomes:** After studying this course, students will be able to:

- Explain network security protocols
- Understand the basic concepts of cyber security
- Discuss the cyber security problems
- Explain Enterprise Security Framework
- Apply concept of cyber security framework in computer system administration

## Text Books:

- 1. William Stallings, "Cryptography and Network Security Principles and Practice", Pearson Education Inc., 6<sup>th</sup> Edition, 2014, ISBN: 978-93-325-1877-3.
- 2. Thomas J. Mowbray, "Cyber Security Managing Systems, Conducting Testing, and Investigating Intrusions", Wiley.

- 1. Cryptography and Network Security, Behrouz A. Forouzan, TMH, 2007.
- 2. Cryptography and Network Security, Atul Kahate, TMH, 2003.

www.android.universityupdates.in | www.universityupdates.in | www.ios.universityupdates.in

## VIII SEMESTER DETAILED SYLLABUS

## POWER SYSTEM OPERATION AND CONTROL(Core Course) B.E., VIII Semester, Electrical and Electronics Engineering [As per Choice Based Credit System (CBCS) scheme]

SEE Marks	lution I
Exam Hours the vulnerability of the system. CADA. in unit commitment and the sol to hydro thermal problems matic generation control, speed equency Control ve power control in an intercom imation and relatedissues. COntrol, Key Concepts of unagement Centres. luction to SCADA and its Systems SCADA, Remote ion Channels for SCADA in Priority List Method, lysing.	03 lution l nected Teaching Hours 10
the vulnerability of the system. CADA. in unit commitment and the sol to hydro thermal problems matic generation control, speed equency Control ve power control in an intercom imation and relatedissues. Control, Key Concepts of magement Centres. luction to SCADA and its Systems SCADA, Remote ion Channels for SCADA in Priority List Method, lysing.	lution l nected <u>Teaching Hours</u> 10
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anagement Centres. Juction to SCADA and its Systems SCADA, Remote ion Channels for SCADA in Priority List Method, Ilysing.	
Generator Control Loops, rs.∎ g.	
Introductions, Tie - Line	10
es in Implementation of AGC. and Absorption of Reactive ctive Power, Sensitivity of	-
	er. Introductions, Tie - Line ntrol, State-Space Models. <b>tem (continued):</b> State-Space es in Implementation of AGC. and Absorption of Reactive active Power, Sensitivity of ge Control by Reactive Power

132

	B.E EL	CHOICE BAS	DELECTRONICS EN ED CREDIT SYSTEM DEMESTER - VIII		E)	
	17EE81POWER	SYSTEM OPERA	ATION AND CONTRO	DL(Core Course) (	continued	<b>i</b> )
	ule-5					Teaching Hours
Cost, Facto State Estin Revis	Adequacy Indices, Fu ors, Contingency Selec e estimation of Power nator, Other Issues in S	inctions of System tion and Ranking. Systems: Introduc State Estimation.	ntroduction, Security Le Security, Contingency ction, Linear Least Squa pplying, L <sub>4</sub> – Analysing	Analysis, Linear Se re Estimation, DC S	ensitivity	10
	rse outcomes:					
At th	e end of the course the	student will be ab	le to:			
	architecture and co	onfiguration of SCA	power systems, the vul ADA.	nerability of the sys	tem,comp	onents,
	• Solve unit commit	-				
		•	luling and solutions to h			
	<ul> <li>Explain basic gene</li> </ul>	erator control loops	s, functions of Automatic	c generation control	, speed go	overnors
	<ul> <li>Develop and analy</li> </ul>	ze mathematical m	odels of Automatic Load	d Frequency Control	1	
	• Explain automatic system.	generation control	, voltage and reactive po	ower control in an ir	nterconnec	cted power
	<ul> <li>Explain reliability, systems.</li> </ul>	security, continge	ncy analysis, state estim	nation and related is	sues of po	wer
Gra	duate Attributes (A	s per NBA)				
			Conduct investigations of	f complex problems	, Modern	Tool
	e, Communication, Li					
Que	stion paper pattern		· · ·		<i>.</i> .	· .·
•		vill have ten full qu	estions carrying equal n	harks. Each full que	stion cons	isting of
	16 marks.					
•	There will be two ful	l questions (with a	maximum of four sub q	uestions) from each	module.	
•	Each full question w	ill have sub questic	on covering all the topics	s under a module.		
Text	book	I				
1	Power System Opera	ation and Control	K. Uma Rao	Wiley	1 <sup>st</sup> Edit	ion, 2012
Refe	rence Books		1	1	1	
	Down Conception O	nonation and	A 11 Y YYY	XX7'1	0 151	
1	Power Generation O Control	•	Allen J Wood etal	Wiley		ition,2003
2	Power System Stabi	lity and Control	Kundur	McGraw Hill	8 <sup>44</sup> Rep	rint, 2009

131

B.E., VIII Semester,	Electrical and El	LICATIONS(Core C ectronics Engineerin m (CBCS) scheme]		
Course Code	17EE82	CIE Marks	40	
Number of Lecture Hours/Week	04	SEE Marks	60	
Total Number of Lecture Hours	50	Exam Hours	03	
	Credits - (	)4		
Course objectives: • To define electric drive, its parts, a • To explain dynamics and modes of • To explain selection of motor powe • To analyze the performance of indu- • To explain the control of induction • To discuss typical applications elect Module-1	operation of electric er ratings and control action motor drives us motor, synchronous etrical drives in thein	drives. of dc motor using rectifiers nder different conditions. motor and stepper motor du lustry.	rives.	<b>Teaching</b> <b>Hours</b>
Electrical Drives: Electrical Drives, Ad Choice of Electrical Drives, Status of dc Dynamics of Electrical Drives: Fund Multiquadrant Operation. Equivalent V Nature and Classification of LoadTore Operations, SteadyState Stability, Load I Control Electrical Drives: Modes of C loop Control of Drives. ■ Revised Bloom's Taxonomy Level Module-2	and ac Drives. amental Torque Equ Values of DriveParar ques, Calculation of Equalization. Operation, Speed Cor	nations, Speed TorqueCon neters, Components of L Time and Energy Loss	ventions and oad Torques, in Transient ions, Closed	10
Selection of Motor Power Ratings:Th Motor Duty, Determination of Motor Ra Direct Current Motor Drives:Control Rectifier Control of dc Separately Excite Separately Excited Motor, Three Phase Motor,Three Phase Half Controlled Rect Operation of dc Separately Excited Mot dc Series Motor, Supply Harmonics, Po Separately Excited dcMotor, Chopper Co	ting. led Rectifier Fed dc d Motor,SinglePhase Fully Controlled Rec tifier Control of dc Se or Fed Form Fully C ower Factor and Rippl	Drives, Single Phase Full Half Controlled Rectifier ( etifier Control of dc Separa eparately Excited Motor, M ontrolled Rectifier, Rectifier e in Motor Current, Choppe	y Controlled Control of dc ately Excited Iultiquadrant er Control of	10
Revised Bloom's L <sub>1</sub> – Remembering, Taxonomy Level	L <sub>2</sub> - Understanding,	$L_3 - Applying, L_4 - Analys$	sing.	
Module-3				
Taxonomy Level	d Single Phasing,C or Fed From Non-S rol Techniques-Stator 5. ■	Deration with Unbalance inusoidal Voltage Supply	ed Rotor Starting, Voltage	10
Module-4				
Induction Motor Drives (continued)Control, Closed Loop Speed Control atMotor Drives, Variable Frequency CControl,current regulated voltage sourcemotors.Synchronous Motor Drives:Operation atRevised Bloom'sTaxonomy Level	nd Converter Rating Control from a Cu e inverter control, sp from fixed frequency	for VSI and Cycloconver rrent Source, Current S peed control of single pha	ter Induction Jource (CSI) ase induction pus motor	10

135

		ECTRONICS ENG CREDIT SYSTEM ( ESTER -VIII		
	17EE82 INDUSTRIAL DRIVES ANI		Core Course) (continu	ued)
Mod	ule-5			Teaching Hours
com Moto Step Moto	chronous Motor Drives (continued):Self-cont mutated thruster inverter, Starting Large Synchr or Drives, Sinusoidal PMAC Motor Drives, Brus per Motor Drives: Variable Reluctance, Pern ors, Torque Versus Stepping rate Characteristics istrial Drives:Textile Mills, Steel Rolling Mills,	onous Machines, Pert shless dc Motor Drive nanent Magnet, Imp , Drive Circuits for St Cranes and Hoists, M	manent Magnet ac (PM es. ortant Features of Ste tepper Motor. MachineTools. ■	IAC)
	sed Bloom's Label L1 – Remembering, L2 – Unders	standing, L <sub>3</sub> – Applyir	ng, L <sub>4</sub> – Analysing.	
At th	<ul> <li>rse outcomes:</li> <li>a end of the course the student will be able to:</li> <li>Explain the advantages and choice of electri</li> <li>Explain dynamics and different modes of op</li> <li>Suggest a motor for a drive and control of de</li> <li>Analyze the performance of induction moto</li> <li>Control induction motor, synchronous moto</li> <li>Suggest a suitable electrical drive for specified</li> <li>duate Attributes (As per NBA)</li> <li>neering Knowledge, Problem Analysis, Design/</li> <li>stion paper pattern:</li> <li>The question paper will have ten full questions marks.</li> <li>There will be two full questions (with a maxim Each full question will have sub question cover</li> </ul>	beration of electric dri c motor using controll r drives under different r and stepper motor of a application in the in Development of Solu s carrying equal mark	led rectifiers. nt conditions. hrives. ndustry. ■ ntions, Modern Tool Us s. Each full question co ions) from each module	onsisting of 16
Text	book			
1	Fundamentals of Electrical Drives	Gopal K. Dubey	Narosa Publishing House	2 <sup>nd</sup> Edition, 2001
2	Electrical Drives: Concepts and Applications (Refer to chapter 07 for Industrial Drives under module 5.)	VedumSubrahma nyam	McGraw Hill	2 <sup>nd</sup> Edition, 2011
	rence Books			
Refe				

133

## SMART GRID(Professional Elective) B.E., VIII Semester, Electrical and Electronics Engineering [As per Choice Based Credit System (CBCS) scheme]

	17EE831	CIE Marks	40
Number of Lecture Hours/Week	03	SEE Marks	60
Total Number of Lecture Hours	40	Exam Hours	03
	Credits - 03		
<ul> <li>development of smart grid.</li> <li>To explain the measurement tech</li> <li>To discuss tools for the analysis of</li> <li>To discuss incorporating performs smart grid.</li> <li>To discuss classical optimization and operation.</li> <li>To discuss the development of pr smart grid performance.</li> <li>To discuss development of cleaner system.</li> <li>To discuss the fundamental tools</li> <li>To discuss methods to promote</li> <li>To discuss methods to make the optimized system.</li> </ul>	iniques using PMUs and of smart grid and desi- nance tools such as vo- techniques and comp redictive grid manager er, more environment and techniques essen smart grid awareness	gn, operation and performance. Itage and angle stability and state estima utational methods for smart grid design ment and control technology for enhanc ally responsible technologies for the ele tial to the design of the smart grid.	ation into , planning ing the ctric nology.
Module-1			Teaching Hours
Independence and Security Act of 2007: Power System Enhancement, Communicative of the Smart Grid Market Drivers, Smart Grid Based on Performance Measu Components. Smart Grid Communications and Measu Monitoring, PMU, Smart Meters, and Me	ation and Standards, I Stakeholder Roles and ures, Representative A surement Technolog asurements Technolo Microgrid and Smart (	Environment and Economics, General d Function, Working Definition of the Architecture, Functions of Smart Grid <b>y:</b> Communication and Measurement,	08
Multiagent Systems (MAS) Technology, I <b>Performance Analysis Tools for Sma</b> Challenges to Load Flow in Smart Grid Flow State of the Art: Classical, Extender Effect, Load Flow for Smart Grid Design, DSOPF Application to the Smart Grid Contingencies and Their Classification, Contingencies and Their Classification, Contingencies <b>Revised Bloom's</b> Taxonomy Level	and Weaknesses of the ed Formulations, and , Static Security As ontingency Studies for	Introduction to Load Flow Studies, ne Present Load Flow Methods, Load Algorithms, Congestion Management sessment (SSA) and Contingencies, r the Smart Grid.	
PerformanceAnalysisToolsforSmatChallenges to Load Flow in Smart GridFlow State of the Art: Classical, ExtendedEffect, Load Flow for Smart Grid Design,DSOPFApplication to the Smart GridContingencies and Their Classification, ContingenciesRevised Bloom's $L_1$ – Remembering, $L_2$	and Weaknesses of the ed Formulations, and , Static Security As ontingency Studies for	Introduction to Load Flow Studies, ne Present Load Flow Methods, Load Algorithms, Congestion Management sessment (SSA) and Contingencies, r the Smart Grid.	
PerformanceAnalysisToolsforSmatChallenges to Load Flow in Smart GridFlow State of the Art: Classical, ExtendedEffect, Load Flow for Smart Grid Design, DSOPF Application to the Smart Grid Contingencies and Their Classification, Contingencies and Their Classification, ContextRevised Bloom's $L_1$ – Remembering, $L_2$ Taxonomy Level $L_1$ – Remembering, L2Stability AnalysisTools for Smart GridExistingVoltageStability AnalysisTools for Smart GridStability Studies, Application and Implem Constraint through Preventive Control of Estimation.	and Weaknesses of the ed Formulations, and d, Static Security Assontingency Studies for – Understanding, L <sub>3</sub> – id: Introduction to S Tools, Voltage Stab y Indexing, Analysis eentation Plan of Volta Voltage Stability, An	Introduction to Load Flow Studies, the Present Load Flow Methods, Load Algorithms, Congestion Management sessment (SSA) and Contingencies, r the Smart Grid. - Applying. 	08
Performance Analysis Tools for Smatchallenges to Load Flow in Smart Grid         Challenges to Load Flow in Smart Grid         Flow State of the Art: Classical, Extended         Effect, Load Flow for Smart Grid Design,         DSOPF Application to the Smart Grid         Contingencies and Their Classification, Contingencies and Their Classification, Context         Revised Bloom's       L1 – Remembering, L2         Module-2         Stability Analysis Tools for Smart Grid         Existing Voltage Stability Analysis Tools         Assessment Techniques, Voltage Stabilit         Stability Studies, Application and Implem         Constraint through Preventive Control of         Estimation.	and Weaknesses of the ed Formulations, and d, Static Security Assontingency Studies for – Understanding, L <sub>3</sub> – id: Introduction to S Tools, Voltage Stab y Indexing, Analysis eentation Plan of Volta Voltage Stability, An	Introduction to Load Flow Studies, the Present Load Flow Methods, Load Algorithms, Congestion Management sessment (SSA) and Contingencies, r the Smart Grid. - Applying. - Applying. - Applying. - Applying Stability Assessment, Voltage Stability Techniques for Steady-State Voltage age Stability, Optimizing Stability gle Stability Assessment, State	08

Evolutionary Computational Techniques, Adaptive Dynamic Programming Techniques, Pareto

<b>B.E ELECTRICAL AND ELECTRONICS ENGINEERING(EEE)</b>				
CHOICE BASED CREDIT SYSTEM (CBCS) SEMESTER –VIII				
17EE831 SMART GRID(Professional Elective) (continued)				
Module-3 (continued)	Teaching Hours			
<ul> <li>Methods, Hybridizing Optimization Techniques and Applications to the Smart Grid, Computational Challenges.</li> <li>Pathway for Designing Smart Grid: Introduction to Smart Grid Pathway Design, Barriers and Solutions to Smart Grid Development, Solution Pathways for Designing Smart Grid Using Advanced Optimization and Control Techniques for Selection Functions, General Level Automation, Bulk Power Systems Automation of the Smart Grid at Transmission Level, Distribution System Automation Requirement of the Power Grid, End User/Appliance Level of the Smart Grid,</li> </ul>				
Applications for Adaptive Control and Optimization.         Revised Bloom's       L <sub>1</sub> – Remembering, L <sub>2</sub> – Understanding, L <sub>3</sub> – Applying, L <sub>4</sub> – Analysing.         Taxonomy Level       Module-4				
Renewable Energy and Storage: Renewable Energy Resources, Sustainable Energy Options for the Smart Grid, Penetration and Variability Issues Associated with Sustainable Energy Technology, Demand Response Issues, Electric Vehicles and Plug-in Hybrids, PHEV Technology, Environmental Implications, Storage Technologies, Tax Credits. Interoperability, Standards, and Cyber Security: Introduction, Interoperability, Standards, Smart Grid Cyber Security, Cyber Security and Possible Operation for Improving Methodology for Other Users.	08			
Revised Bloom's     L1 – Remembering, L2 – Understanding.				
Module-5				
Research, Education, and Training for the Smart Grid: Introduction, Research Areas for Smart Grid Development, Research Activities in the Smart Grid, Multidisciplinary Research Activities, Smart Grid Education, Training and Professional Development. Case Studies and Test beds for the Smart Grid: Introduction, Demonstration Projects, Advanced Metering, Microgrid with Renewable Energy, Power System Unit Commitment (UC) Problem, ADP for Optimal Network Reconfiguration in Distribution Automation, Case Study of RER Integration, Testbeds and Benchmark Systems, Challenges of Smart Transmission, Benefits of Smart Transmission.	08			
Revised Bloom's     L1 – Remembering, L2 – Understanding.       Taxonomy Level				
<ul> <li>Course outcomes:</li> <li>At the end of the course the student will be able to: <ul> <li>Discuss the progress made by different stakeholders in the design and development of smart grid</li> <li>Explain measurement techniques using Phasor Measurement Units and smart meters</li> <li>Discuss tools for the analysis of smart grid and design, operation and performance</li> <li>Discuss classical optimization techniques and computational methods for smart grid design, pla and operation.</li> <li>Explain predictive grid management and control technology for enhancing the smart gridperfo</li> <li>Develop cleaner, more environmentally responsible technologies for the electric system.</li> <li>Discuss the computational techniques, communication, measurement, and monitoring technolog essential to the design of the smart grid awareness and making the existing transmission system by investing in new technology.</li> </ul> </li> <li>Graduate Attributes (As per NBA) Engineering Knowledge, Problem Analysis, Design/ Development of Solutions, Conduct investi complex problems, Modern Tool Usage, The Engineer and Society, , Ethics, Individual and Te Communication, Life-long Learning.</li></ul>	anning rmance ogytools a smarter gations of			

	B.E ELECTRICAL AND EI CHOICE BASED SEM		· ·	EEE)
	17EE831 SMART GRID	(Professional Elect	ive) (continued	)
Que	stion paper pattern:			
٠	The question paper will have ten questions.			
• Each full question is for 16 marks.				
•	There will be 2full questions (with a maximum module.	m of four sub question	ons in one full q	uestion) from each
٠	Each full question with sub questions will cov	ver the contents unde	er a module.	
٠	Students will have to answer 5 full questions,	selecting one full qu	uestion from eac	ch module. 🗖
Text	book			
1	Smart Grid, Fundamentals of Design and Analysis	James Momoh	Wiley	1 <sup>st</sup> Edition, 2012

# OPERATION AND MAINTENANCE OF SOLAR ELECTRICSYSTEMS (Professional Elective) B.E., VIII Semester, Electrical and Electronics Engineering [As per Choice Based Credit System (CBCS) scheme]

Course Code	17EE832	CIE Marks	40
Number of Lecture Hours/Week	03	SEE Marks	60
Total Number of Lecture Hours	40	Exam Hours	03
	Credits - 03		
<ul> <li>To discuss inverters, system comp methods of the PV system.</li> <li>To explain site assessment, design</li> <li>To explain installation, commissi</li> </ul>	g the PV modules and conents, cabling used n process of the grid o oning, operation and	d connecting the modules to form array to connect the components and moun connected system and its sizing. maintenance of PV systems.	
• To explain the types of financial i Module-1	ncentives available, c	alculation of payback time.	Teaching Hours
Solar Resource and Radiation:Solar resEarth's atmosphere on solar radiation, SunPV Industry and Technology: Semiconsilicon ,Multicrystalline/polycrystallinemodules, Standards, Certifications, Wacells,Sliver cells, Heterojunction withSemiconductors, Solar concentrators.PV Cells, Modules and Arrays: Charaperformance, Connecting PV cells to crmodules, Creating an array, Photovoltaic aRevised Bloom'sTaxonon Level	geometry, Geometry ductor devices, Mair silicon, Thin film arranties, Emerging intrinsic thin la ccteristics of PV cell reate a module, Spe urray performance, Im	for installing solar arrays. Instream technologies, Monocrystalling solar cells, Contacts, Buying solar technologies, Dye-sensitized solar yer (HIT) photovoltaic cells,III-V is, Graphic representations of PV ce cification sheets, Creating a string of radiance, Temperature,Shading.	11
Module-2 Inverters and Other System Compo		, Inverters, Battery inverters, Grid hologies, String inverters, Multi-string	- 08

<ul> <li>Site Assessment: Location of the PV array, Roof specifications, Is the site shade-free?,Solar Pathfinder,SolmetricSuneye, HORIcatcher,iPhone apps,Software packages, Available area,Portrait installation, Landscape installation, Energy efficiency initiatives,Health, safety and environment (HSE) risks,Local environment, Locating balance of system equipment, Site plan.</li> <li>Designing Grid-connected PV Systems: Design brief, Existing system evaluation, choosing system components, Modules, Mounting structure, Inverters, Cabling,Voltage sizing, Current sizing, Monitoring, System protection, Over-current protection,Fault-current protection, Lightning and surge protection, Grounding/earthing, Mechanical protection, Array protection, Subarray protection, Extra low voltage (ELV) segmentation.</li> <li>Sizing a PV System: Introduction, Matching voltage specifications,Calculating maximum voltage,Calculating the minimum number of modules in a string,Calculating the maximum number of modules in a string,Calculating the</li> </ul>	08
B.E ELECTRICAL AND ELECTRONICS ENGINEERING(EEE) CHOICE BASED CREDIT SYSTEM (CBCS)	
SEMESTER - VIII	
17EE832 OPERATION AND MAINTENANCE OF SOLAR ELECTRICSYSTEMS (Professional Elective)(continued)	
Module-3 (continued)	Teaching Hours
$\begin{array}{ c c c c c } \mbox{minimum voltage,Calculating the minimum number of modules in a string,Matching current} \\ \mbox{specifications,Matching modules to the inverter's power rating,Losses in utility-interactive PV} \\ \mbox{systems,Temperature of the PV module,Dirt and soiling,Manufacturer's} \\ \mbox{tolerance,Shading,Orientation and module tilt angle,Voltage drop,Inverter efficiency,} \\ \mbox{Calculating system } \end{tabular} \\ \mbox{Revised Bloom's} & L_1-Remembering, L_2- Understanding.} \\ \mbox{Taxonomy Level} & \end{array}$	
Module-4	
Installing Grid-connected PV Systems: PV array installation, DC wiring, Cabling routes and required lengths, Cable sizing, PV combiner box, System grounding/earthing, Inverter installation, Installation checklist, Interconnection with the utility grid, Required information for installation, Safety. System Commissioning: Introduction, Final inspection of system installation, Testing, Commissioning, System documentation. System Operation and Maintenance: System maintenance, PV array maintenance, Inverter maintenance, System integrity, Troubleshooting, Identifying the problem, Troubleshooting PV arrays, Troubleshooting underperforming systems, Troubleshooting inverters, Other common problems.	08
Revised Bloom'sL1 – Remembering, L2 – Understanding.Taxonomy Level	
Module-5	
Marketing and Economics of Grid-connected PVSystems:Introduction, PVsystemcosting,Valuing a PV system,Simple payback and financial incentives,Simple payback,Feed-inincentives,Loans,Renewable portfoliostandards and renewableenergytariffs,Rebates,Taxincentives,Loans,Renewableportfoliostandards and renewableenergycertificates,Marketing,Insurance.Case Studies:Case studies A to G.Revised Bloom'sL1 – Remembering, L2 – Understanding.	08
<ul> <li>Course outcomes:</li> <li>At the end of the course the student will be able to: <ul> <li>Discuss basics of solar resource data, its acquisition and usage.</li> <li>Explain PV technology, buying the PV modules and connecting the modules to form arrays.</li> <li>Explain the use of inverters, other system components, cabling used to connect the components mounting methods of the PV system.</li> <li>Assess the site for PV system installation.</li> <li>Design a grid connected system and compute its size.</li> <li>Explain installation, commissioning, operation and maintenance of PV systems.</li> </ul> </li> </ul>	s and

138

• Explain the types of financial incentives available, calculation of payback time

# Graduate Attributes (As per NBA)

Engineering Knowledge, Problem Analysis, Design/ Development of Solutions, Conduct investigations of complex problems, Modern Tool Usage, The Engineer and Society, Environment and Sustainability, Ethics, Individual and Team Work, Communication, Project Management and Finance, Life-long Learning.

# **Question paper pattern:**

- The question paper will have ten questions.
- Each full question is for 16 marks.
- There will be 2full questions (with a maximum of four sub questions in one full question) from each module.
- Each full question with sub questions will cover the contents under a module.
- Students will have to answer 5 full questions, selecting one full question from each module.

#### B.E ELECTRICAL AND ELECTRONICS ENGINEERING(EEE) CHOICE BASED CREDIT SYSTEM (CBCS) SEMESTER - VIII 17EE832 OPERATION AND MAINTENANCE OF SOLAR ELECTRICSYSTEMS (Professional Elective)(continued)

# Textbook

		-		
1	Grid-connected Solar Electric Systems, The Earthscan	Geoff Stapleton	Earthscan	1 <sup>st</sup> Edition, 2012
	Expert Handbook for Planning, Design and Installation	and Susan Neill		

# INTEGRATION OF DISTRIBUTED GENERATION(Professional Elective) B.E., VIII Semester, Electrical and Electronics Engineering [As per Choice Based Credit System (CBCS) scheme]

Course Code		17EE833	CIE Marks	40
Number of Lect	ure Hours/Week	03	SEE Marks	60
Total Number of		40	Exam Hours	03
	I	Credits - 03		
Course objectiv	ves:			
To expla	in power generation by alt	ernate energy source	e like wind power and solar power.	
To expla	in selection of size of unit	s and location for wi	nd and solar systems.	
Discuss	the effects of integration of	of distributed generat	ion on the performance the system.	
Module-1		and and a series and a	fon on the performance the system.	Teaching
Distributed Gen	eration. Introduction Sou	rces of Energy - Wi	nd Power, Solar Power, Combined	Hours 08
			hermal Power, Thermal Power	00
Plants.	J,	, , ,	· · · · · · · · · · · · · · · · · · ·	
Revised Bloom's Taxonomy Level	$L_1$ – Remembering, $L_2$ –	Understanding, L <sub>3</sub> -	- Applying.	1
Module-2				1
Distributed Gen	eration (continued): Inter	rface with the Grid.		08
			on on the Power System, Aims of the	00
•			, Voltage Quality and Design of	
			Increasing the Hosting Capacity.	
-	-		n, Overloading: Radial Distribution	
	ading: Redundancy and M	-		_
Revised Bloom's Taxonomy Level	$L_1$ – Remembering, $L_2$ –	Understanding, $L_3$ -	- Applying, L <sub>4</sub> – Analysing.	
Module-3				
	Losses(continued):Incre	easing the Hosting C	apacity.	08
			eration, Voltage Margin and Hosting	00
Capacity, Design	1 of Distribution Feeder	s, A Numerical A	pproach to Voltage Variations, Tap	
Changers with Lir			for Design of Distribution Feeders.	
<b>Revised Bloom's</b>	$L_1$ – Remembering, $L_2$ –	Understanding, L <sub>3</sub> -	- Applying, L <sub>4</sub> – Analysing.	1
Taxonomy Level				
Module-4				
Voltage Magnitu	ide Variations (continue	d): Statistical Appr	oach to Hosting Capacity, Increasing	08
the Hosting Capa				
- •	isturbances: Impact of D	istributed Generatio	n, Fast Voltage Fluctuations, Voltage	
Unbalance.				
Revised Bloom's	$L_1$ – Remembering, $L_2$ –	Understanding.		
Taxonomy Level Module-5				
	listurbances (continued)	•Low-Frequency Ha	rmonics, High-Frequency Distortion,	08
- •	reasing the Hosting Capac		momes, mgn-requency Distortion,	00
<b>0</b> 1	$L_1$ – Remembering, $L_2$ –	•		-
Revised Bloom's Taxonomy Level	$L_1$ – Kemennoering, $L_2$ –	Onderstanding.		
	<u> </u>			J
Course outcom				
	course the student will be			
$\Box$ Explain	energy generation by wind	d power and solar po	wer.	
Discuss	the variation in production	n capacity at differen	t timescales, the size of individual unit	s, and the

	B.E ELECTRICAL AND ELECTRONICS ENGINEERING(EEE) CHOICE BASED CREDIT SYSTEM (CBCS) SEMESTER - VIII
	17EE833 INTEGRATION OF DISTRIBUTED GENERATION(Professional Elective)(continued)
Co	ourse outcomes (continued):
	• Explain the performance of the system when distributed generation is integrated to the system.
	• Discuss effects of the integration of DG: the increased risk of overload and increased losses.
	• Discuss effects of the integration of DG: increased risk of overvoltages, increased levels of power quality disturbances.
	• Discuss effects of the integration of DG: incorrect operation of the protection
	• Discuss the impact the integration of DG on power system stability and operation. ■
En coi	raduate Attributes (As per NBA) gineering Knowledge, Problem Analysis, Design/ Development of Solutions, Conduct investigations of nplex problems, Modern Tool Usage, The Engineer and Society, Ethics, Individual and Team Work, mmunication, Project Management and Finance, Life-long Learning.
Qı	iestion paper pattern:
•	The question paper will have ten questions.
•	Each full question is for 16 marks.
	• There will be 2full questions (with a maximum of four sub questions in one full question) from each module.
•	Each full question with sub questions will cover the contents under a module.
	■ Students will have to answer 5 full questions, selecting one full question from each module.
•	xtbook
Te	XTDOOK

144

# POWER SYSTEM IN EMERGENCIES(Professional Elective) B.E., VIII Semester, Electrical and Electronics Engineering [As per Choice Based Credit System (CBCS) scheme]

Course Code	17EE834	CIE Marks	2	40
Number of Lecture Hours/Week	03	SEE Marks		50
Total Number of Lecture Hours	40	Exam Hours	(	03
	Credits - 03			
<ul> <li>Course objectives:</li> <li>To discuss the disturbances that m operation.</li> <li>To give the definitions, concepts a and to discuss the effect of system</li> <li>To discuss the structure, function a</li> <li>To discuss standards of security ar system operation and control.</li> <li>To discuss SCADA facilities - fun interface.</li> <li>To discuss factors affecting the on the risk.</li> <li>To discuss weather related disturbs process and problems which hinde</li> <li>To discuss facilities and characteri</li> </ul>	nd standard termino structure on the forr and alternatives for r ad quality of supply ctions, structure, per stems, communicati set, severity and pro ances that can occur er restoration. tt can be used in trair	logy used in the literature n of emergencycontrol. nain transmission. in planning and operation formance criteria, data a ons, telemetry, telecomm pagation of a disturbance in the power systems and hing.	e on emergency n,timescales and nd human - com nand and distribu e, measures to m l aids to the resto	control tasks in puter ted inimize oration
To discuss inclinics and characteri	• •	•	juantitative bene	fits of
emergency control and emergency Module-1				Teaching
			Disturbances,	Hours 08
Forms of System Failure, Analysis Techniques. Some General Aspects of Emergency Control, Some Standard Terminology, The System Performance, Typical Pattern of the Forms of Emergency Control, Effect of System regency Control, Design Criteria for Emergency Control, Design Criteria for Emergency Control, L <sub>1</sub> – Remembering, L <sub>2</sub> –	control: Definition ne Effects of Various Development of a Stem Structure on the nergency Control Fac	in the Development of as and Concepts used in as Types of Fault or D Sudden Disturbance, Com- e Need for and Implement cilities.	Disturbances, of Analytical n Emergency isturbance on aceptual	
Disturbances in Power Systems and theiForms of System Failure, Analysis TeTechniques.Some General Aspects of EmergencyControl, Some Standard Terminology, ThSystem Performance, Typical Pattern of theForms of Emergency Control, Effect of SysEmergency Control, Design Criteria for EmRevised Bloom'sL1 – Remembering, L2 –Taxonomy LevelModule-2	control: Definition ne Effects of Various Development of a Stem Structure on the nergency Control Fac	in the Development of as and Concepts used in as Types of Fault or D Sudden Disturbance, Com- e Need for and Implement cilities.	Disturbances, of Analytical n Emergency isturbance on aceptual	
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B.E ELECTRICAL AND ELECTRONICS ENGINEERING(EEE) CHOICE BASED CREDIT SYSTEM (CBCS) SEMESTER - VIII					
17EE834 POWER SYSTEM IN EMERGENCIES(Professional Elective) (continued)					
Module-4 (continued)	Teaching Hours				
Restoration: Introduction, The Range of Disturbed System Conditions, Some General Issues in					
Restoration, Recovery from an Abnormal Operating Situation, Local Islanding or Localized Loss of					
Demand, The 'Black Start' Situation, Strategies for Restoration of the Whole System, Aides in					
Restoration Process, Problems Found in Restoration, Analysis, Simulation and Modelling in Blackstart, Restoration from a Foreseen Disturbance.					
Training and Simulators for Emergency Control: Introduction, Training in General, The Need					
for Operator Training, The Content of Training, Forms of Training, Training Simulators, The Use of					
Dispatch Training Simulators in Practice.					
<b>Revised Bloom's</b> $L_1$ – Remembering, $L_2$ – Understanding.					
Taxonomy Level Module-5					
Plant Characteristics and Control Facilities for Emergency Control and Benefits to be	08				
<b>Obtained:</b> Introduction, The Characteristics and Facilities Required for Emergency Control, The System and Demand, System Control Costs for Emergencies, Indirect Costs, The Benefits of Emergency Control, Quantitative Aspects, Is Emergency Control Worthwhile? <b>Systems and Emergency Control in the Future:</b> Introduction, Changes in Organization, Restructuring, Unbundling and Emergency Control, Facilities for Emergency Control in the Future,	00				
Superconductivity, Contingency Planning and Crisis.					
<b>Revised Bloom's</b> $L_1$ – Remembering, $L_2$ – Understanding.					
Taxonomy Level					
<ul> <li>Course outcomes:</li> <li>At the end of the course the student will be able to: <ul> <li>Explain disturbances that may occur in a power system and the impact of them on its operation.</li> <li>Give the definitions, concepts and standard terminology used in the literature on emergency condiscuss the effect of system structure on the form of emergency control</li> </ul> </li> </ul>					
• Discuss the structure, function and alternatives for main transmission					
• To discuss standards of security and quality of supply in planning and operation, timescale system operation and control, SCADA facilities - functions, structure, performance criteria human - computer interface					
• To discuss energy management systems, communications, telemetry, telecommand and distribution generation.	uted				
• To discuss factors affecting the onset, severity and propagation of a disturbance, measures to n the risk	ninimize				
• To discuss weather related disturbances that can occur in the power systems and aids to the rest process and problems which hinder restoration	oration				
• To discuss different simulators used in training, facilities and characteristics for emergency corbenefits of emergency control and emergency control in the future. ■	ntrol, and				
Graduate Attributes (As per NBA)					
Engineering Knowledge, Problem Analysis, Design/ Development of Solutions,Conduct investig complex problems, Modern Tool Usage, The Engineer and Society, Ethics, Individual and Te Communication,Project Management and Finance, Life-long Learning.					
Question paper pattern:					
• The question paper will have ten questions.					
• Each full question is for 16 marks.					
• There will be 2full questions (with a maximum of four sub questions in one full question) from ea	ich				

 module.
 Each full question with sub questions will cover the contents under a module.

 • Each full question with sub questions will questions, selecting one full question from eachmodule.

 • Students will have to answer 5 full questions, selecting one full question from eachmodule.

 • Textbook

 1
 Power Systems in Emergencies: From Contingency Planning to Crisis Management
 U. G. Knight
 Wiley
 1st Edition, 2001

# INTERNSHIP / PROFESSIONAL PRACTICE B.E., VIII Semester, Electrical and Electronics Engineering [As per Choice Based Credit System (CBCS) scheme]

Course Code	17EE84	CIE Marks	50		
Number of Practical Hours/Week		Exam Hours			
Total Number of Practical Hours		Exam Marks	50		
Credits - 02					

#### **Course objectives:**

Internship/Professional practice provide students the opportunity of hands-on experience that include personal training, time and stress management, interactive skills, presentations, budgeting, marketing, liability and risk management, paperwork, equipment ordering, maintenance, responding to emergencies etc. The objective are further,

- To put theory into practice.
- To expand thinking and broaden the knowledge and skills acquired through course work in the field.
- To relate to, interact with, and learn from current professionals in the field.
- To gain a greater understanding of the duties and responsibilities of a professional.
- To understand and adhere to professional standards in the field.
- To gain insight to professional communication including meetings, memos, reading, writing, public

**Internship/Professional practice:**Students under the guidance ofinternal guide/s and external guide shall take part in all the activities regularly to acquire as much knowledge as possible without causing any inconvenience at the place of internship.

Seminar: Each student, is required to

- Present the seminar on the internship orally and/or through power point slides.
- Answer the queries and involve in debate/discussion.
- Submit the report duly certified by the external guide.

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

# **Revised Bloom's** L<sub>3</sub> – Applying, L<sub>4</sub> – Analysing, L<sub>5</sub> – Evaluating, L<sub>6</sub> – Creating **Taxonomy Level**

#### **Course outcomes:**

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

- Gain practical experience within industry in which the internship is done.
- Acquire knowledge of the industry in which the internship is done.
- Apply knowledge and skills learned to classroom work.
- Develop a greater understanding about career options while more clearly defining personal career goals.
- Experience the activities and functions of professionals.
- Develop and refine oral and written communication skills.

144

**Graduate Attributes (As per NBA):** Engineering Knowledge, Problem Analysis, Design / development of solutions, Conduct investigations of complex Problems, Modern Tool Usage, Engineers and society, Environment and sustainability, Ethics, Individual and Team work, Communication.

#### B.E ELECTRICAL AND ELECTRONICS ENGINEERING (EEE) CHOICE BASED CREDIT SYSTEM (CBCS) SEMESTER - VIII

#### 17EE84INTERNSHIP / PROFESSIONAL PRACTICE(continued)

#### **Continuous Internal Evaluation**

CIE marks for the Internship/Professional practicereport (25 marks) and seminar (25 marks) shall be awarded (based on the quality of report and presentation skill, participation in the question and answer session by the student) by the committee constituted for the purpose by the Head of the Department. The committee shall consist of three faculty from the department with the senior most acting as the Chairman.

#### **Semester End Examination**

SEE marks for the project report (25 marks) and seminar (25 marks) shall be awarded (based on the quality of report and presentation skill, participation in the question and answer session) by the examiners appointed by the University.  $\blacksquare$ 

# PROJECT WORK PHASE -II B.E., VIII Semester, Electrical and Electronics Engineering [As per Choice Based Credit System (CBCS) scheme]

Course Code	17EEP85	CIE Marks	100		
Number of Practical Hours/Week		Exam Hours			
Total Number of Practical Hours		Exam Marks	100		
Credits - 06					

#### **Course objectives:**

- To support independent learning.
- To guide to select and utilize adequate information from varied resources maintaining ethics.
- To guide to organize the work in the appropriate manner and present information (acknowledging the sources) clearly.
- To develop interactive, communication, organisation, time management, and presentation skills.
- To impart flexibility and adaptability.
- To inspire independent and team working.
- To expand intellectual capacity, credibility, judgement, intuition.
- To adhere to punctuality, setting and meeting deadlines.
- To instil responsibilities to oneself and others.
- To train students to present the topic of project work in a seminar without any fear, face audience confidently, enhance communication skill, involve in group discussion to present and exchangeideas. ■

**Project Work Phase - II:**Each student of the project batch shall involve in carrying out the project work jointly in constant consultation with internal guide, co-guide, and external guide and prepare the project report as per the norms avoiding plagiarism.

**Revised Bloom's**  $L_3$  – Applying,  $L_4$  – Analysing,  $L_5$  – Evaluating,  $L_6$  – Creating

Taxonomy Level

# Course outcomes:

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

- Present the project and be able to defend it.
- Make links across different areas of knowledge and to generate, develop and evaluate ideas and information so as to apply these skills to the projecttask.
- Habituated to critical thinking and use problem solving skills
- Communicate effectively and to present ideas clearly and coherently in both the written and oral forms.
- Work in a team to achieve common goal.
- Learn on their own, reflect on their learning and take appropriate actions to improve it.

#### Graduate Attributes (As per NBA):

Engineering Knowledge, Problem Analysis, Design / development of solutions, Conduct investigations of complex Problems, Modern Tool Usage, Engineers and society, Environment and sustainability, Ethics, Individual and Team work, Communication.

#### **Evaluation Procedure:**

The Internal marks evaluation shall be based on project report and presentation of the same in a seminar.

**Project Report:**50 marks. The basis for awarding the marks shall be the involvement of individual student of the project batch in carrying the project and preparation of project report. To be awarded by the internal guide in consultation with external guide if any.

**Project Presentation:**50 marks. Each student of the project batch shall present the topic of Project Work Phase - II orally and/or through power point slides.

The Project Presentation marks of the Project Work Phase -II shall be awarded by the committee constituted for the purpose by the Head of the Department. The committee shall consist of three faculty from the department with the senior most acting as the Chairman.

The student shall be evaluated based on:

Presentation skill for 30 marks and ability in the Question and Answer session for 20 marks.

#### Semester End Examination

SEE marks for the project (100 marks)shall be awarded (based on the quality of report and presentation skill, participation in the question and answer session) as per the University norms by the examiners appointed VTU. ■

# SEMINAR B.E., VIII Semester, Electrical and Electronics Engineering [As per Choice Based Credit System (CBCS) scheme]

Course Code	17EES86	CIE Marks	100		
Number of Practical Hours/Week		Exam Hours			
Total Number of Practical Hours		Exam Marks			
Credits - 01					

## **Course objectives:**

The objective of the seminar is to inculcate self-learning, face audience confidently, enhance communication skill, involve in group discussion and present and exchange ideas.

Each student, under the guidance of a Faculty, is required to

Choose, preferably, a recent topic of his/her interest relevant to the Course of Specialization.

- Carryout literature survey, organize the Course topics in a systematic order.
- Prepare the report with own sentences.
- Type the matter to acquaint with the use of Micro-soft equation and drawing tools or any such facilities.
- Present the seminar topic orally and/or through power point slides.
- Answer the queries and involve in debate/discussion.
- Submit typed report with a list of references.

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

**Revised Bloom's** L<sub>3</sub> – Applying, L<sub>4</sub> – Analysing, L<sub>5</sub> – Evaluating, L<sub>6</sub> – Creating

# Taxonomy Level

#### **Course outcomes:**

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

- Attain, use and develop knowledge in the field of electrical and electronics engineering and other disciplines through independent learning and collaborative study.
- Identify, understand and discuss current, real-time issues
- Improve oral and written communication skills
- Explore an appreciation of the self in relation to its larger diverse social and academic contexts.

#### Graduate Attributes (As per NBA):

Engineering Knowledge, Problem Analysis, Design / development of solutions, Conduct investigations of complex Problems, Modern Tool Usage, Engineers and society, Environment and sustainability, Ethics, Individual and Team work, Communication.

#### **Evaluation Procedure:**

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

Marks distribution for internal assessment of the course 15EES86 seminar:

Seminar Report: 30 marks

Presentation skill:50 marks

Question and Answer:20 marks.■



# VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM CHOICE BASED CREDIT SYSTEM (CBCS) CIVIL ENGINEERING BOARD <u>BE-CBCS SYLLABUS 2017-18 Scheme</u>

# 8<sup>th</sup> Semester

#### **Course Title: QUANTITY SURVEYING AND CONTRACTS MANAGEMENT** As per Choice Based Credit System (CBCS) scheme SEMESTER:VIII

Subject Code	17CV81	IA Marks	40
Number of Lecture Hours/Week	04	Exam Marks	60
Total Number of Lecture Hours	50	Exam Hours	03
	CREDITS -04	Total Marks- 100	

**Course objectives:** This course will enable students to;

- 1. Estimate the quantities of work, develop the bill of quantities and arrive at the Cost of civil engineering Project
- 2. Understand and apply the concept of Valuation for Properties
- 3. Understand, Apply and Create the Tender and Contract document.

#### Module -1

Quantity Estimation for Building; study of various drawing attached with estimates, important terms, units of measurements, abstract, Types of estimates - Approximate, detailed, supplementary and revised, Estimation of building - Short wall and long wall method - centre line method.

Estimate of R.C.C structures including Slab, beam, column, footings, with bar bending schedule.

L2,L3

#### Module -2

Estimate of Steel truss, manhole and septic tanks.

Quantity Estimation for Roads: Road estimation, earthwork fully in banking, cutting, partly cutting and partly Filling, Detailed estimate and cost analysis for roads.

L1,L2,L3

L1,L2,L3

## Module -3

Specification for Civil Engineering Works: Objective of writing specifications essentials in specifications, general and detail specifications of different items of works in buildings,

Analysis of Rates : Factors Affecting Cost of Civil Works, Concept of Direct Cost, Indirect Cost and Project Cost

Rate analysis and preparation of bills, Data analysis of rates for various items of Works, Sub-structure components, Rate analysis for R.C.C. slabs, columns and beams.

#### Module-4

Contract Management-Tender and its Process: Invitation to tender, Prequalification, administrative approval & Technical sanction. Bid submission and Evaluation process. Contract Formulation: covering Award of contract, letter of intent, letter of acceptance and notice to proceed. Features / elements of standard Tender document (source: PWD / CPWD / International Competitive Bidding - NHAI / NHEPC / NPC).

Law of Contract as per Indian Contract act 1872, Types of Contract, Entire contract, Lump sum contract, Item rate, % rate, Cost plus with Target, Labour, EPC and BOT, Sub Contracting.

Contract Forms : FIDIC contract Forms , CPWD , NHAI , NTPC , NHEPC

L1,L2,L3

#### Module -5

Contract Management-Post award : Basic understanding on definitions, Performance security, Mobilization and equipment advances, Secured Advance, Suspension of work,

Time limit for completion, Liquidated damages and bonus, measurement and payment, additions and alterations or variations and deviations, breach of contract, Escalation, settlement of account or final payment, claims, Delay's and Compensation, Disputes & its resolution mechanism, Contract management and administration

Valuation: Definitions of terms used in valuation process, Cost, Estimate, Value and its relationship, Capitalized value. Concept of supply and demand in respect to properties ( land, building, facilities'), freehold and lease hold, Sinking fund, depreciation-methods of estimating depreciation, Outgoings, Process and methods of valuation : Rent fixation,

## valuation for mortgage, valuation of land.

L1,L2,L3

# **Course outcomes:** After studying this course, students will be able to:

- 1. Prepare detailed and abstract estimates for roads and building.
- 2. Prepare valuation reports of buildings.
- 3. Interpret Contract document's of domestic and international construction works

# **Program Objectives:**

- Engineering knowledge
- Problem analysis
- Interpretation of data

# **Text Books:**

- 1. Datta B.N., "Estimating and costing", UBSPD Publishing House, New Delhi
- 2. B.S. Patil, " Civil Engineering Contracts and Estimates", Universities Press
- 3. M. Chakraborthi; "Estimation, Costing and Specifications", Laxmi Publications
- 4. MORTH Specification for Roads and Bridge Works IRC New Delhi

# **Reference Books:**

- 1. Kohli D.D and Kohli R.C, "Estimating and Costing",12 th Edition, S.Chand Publishers, 2014.
- 2. Vazirani V.N and Chandola S.P, " Estimating and costing", Khanna Publishers, 2015.
- 3. Rangwala, C. "Estimating, Costing and Valuation", Charotar Publishing House Pvt. Ltd., 2015.
- 4. Duncan Cartlidge, "Quantity Surveyor's Pocket Book", Routledge Publishers, 2012.
- 5. Martin Brook, "Estimating and Tendering for Construction Work", A Butterworth-Heinemann publishers, 2008.
- 6. Robert L Peurifoy , Garold D. Oberlender , " Estimating Construction Costs" 5ed , Tata McGraw-Hill , New Delhi
- 7. David Pratt, "Fundamentals of Construction Estimating" 3ed,
- 8. PWD Data Book ,CPWD Schedule of Rates (SoR). and NH SoR Karnataka
- 9. FIDIC Contract forms
- 10.B.S. Ramaswamy " Contracts and their Management" 3ed , Lexis Nexis ( a division of Reed Elsevier India Pvt Ltd)

# Course Title: DESIGN OF PRE STRESSED CONCRETE ELEMENTS As per Choice Based Credit System (CBCS) scheme]

	SEMESTER:VI	11	
Subject Code	17CV82	IA Marks	40
Number of Lecture Hours/Week	04	Exam Marks	60
Total Number of Lecture Hours	50	Exam Hours	03
CREDITS -04		Total Marks- 10	0

**Course objectives:** This course will enable students to learn Design of Pre Stressed Concrete Elements

#### Module -1

**Introduction and Analysis of Members:** Concept of Prestressing - Types of Prestressing - Advantages - Limitations –Prestressing systems - Anchoring devices - Materials - Mechanical Properties of high strength concrete - high strength steel - Stress-Strain curve for High strength concrete.

Analysis of members at transfer - Stress concept - Comparison of behavior of reinforced concrete - prestressed concrete - Force concept - Load balancing concept - Kern point - Pressure line.

#### Module -2

**Losses in Prestress:** Loss of Prestress due to Elastic shortening, Friction, Anchorage slip, Creep of concrete, Shrinkage of concrete and Relaxation of steel - Total Loss. Deflection and Crack Width Calculations of Deflection due to gravity loads - Deflection due to prestressing force -Total deflection - Limits of deflection - Limits of span-to-

# Module -3

**Design of Sections for Flexure:** Analysis of members at ultimate strength - Preliminary Design - Final Design for Type 1members

#### Module -4

**Design for Shear:** Analysis for shear - Components of shear resistance - Modes of Failure - Limit State of collapse for shear - Design of transverse reinforcement.

#### Module -5

**Composite Sections:** Types of composite construction - Analysis of composite sections - Deflection –Flexural and shear strength of composite sections.

#### L1,L2,L3

**Course outcomes:** After studying this course, students will be able to:

effective depth ratio -Calculation of Crack Width - Limits of crack width.

- Understand the requirement of PSC members for present scenario.
- Analyse the stresses encountered in PSC element during transfer and at working.
- Understand the effectiveness of the design of PSC after studying losses
- Capable of analyzing the PSC element and finding its efficiency.
- Design PSC beam for different requirements.

L1,L2

L1,L2,L3

L1,L2,L3

L1,L2

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	ed Credit Syst SEMESTER:VI	em (CBCS) scheme] II	
Subject Code	17CV831	IA Marks	40
Number of Lecture Hours/Week	03	Exam Marks	60
<b>Total Number of Lecture Hours</b>	40	Exam Hours	03
	CREDITS		ks- 100
Course Objectives: This course will		ts to learn about	
<ol> <li>Fundamentals of engineering</li> <li>Irregularities in building whic</li> <li>Different methods of computation</li> </ol>	h are detrimen		
structures 4. Earthquake resistant design r 5. Relevant clauses of IS codes o			
of structures	1 1	Ĩ	0
Module -1			
Earthquakes; Theory of plate tectoni Earthquakes; Major past earthquake of seismic waves; Magnitude and int ground motion characteristics: Amp of India; (Problems on computation of earthquake)	es and their con tensity of earth litude, frequen	nsequences; Types and o quakes; local site effect cy and duration; Seism	characteristics s; Earthquake ic zoning map er, Magnitude
Module -2			L1,L2,L3
<b>Response Spectrum:</b> Basics of structure system; Effect of frequency of input response of SDOF system (Linear ac Definition, construction, Characteris	at motion and celeration meth	Resonance; Numerical nod), Earthquake Respo	evaluation of nse spectrum:
Module -3			
Seismic Performance of Building damages to building observed du irregularity; stiffness irregularity; Co and its consequences; configuration aspects of earthquake resistant build philosophy; Structural modeling; Co Module -4	nring past ear oncept of soft a on problems; dings; Lateral l	thquakes; Plan irregund weak storey; Torsion continuous load path; oad resistant systems.	larities; mass nal irregularity Architectural
Determination of Design Lateral	l Forces: Equ	uvalent lateral force p	rocedure and
dynamic analysis procedure. Step buildings using Equivalent static la (maximum of 4 storeys and without static la	by step prod teral force met	cedures for seismic ar	nalysis of RC trum methods
Madula 5			L2,L3,L4
Module -5 Earthquake Resistant Analysis ar frame structures, Ductility in Re Concrete Beams, Seismic Design o weak beam-strong column, Detaili Detailing as per IS-13920. Retrofittin Earthquake Resistant Design of Reinforced, Infill Masonry Walls, Bo structural masonry, lateral load and of Masonry Buildings during earthqu	einforced Conc f Ductile Reinf ing of Beam-C ng of RC buildir <b>Masonry Buil</b> ox Action, Linte alysis, Recomm	crete, Design of Ducti Forced Concrete column Column Joints to enhangs <b>dings:</b> Performance of el and sill Bands, elastic mendations for Improving	le Reinforced a, Concept of ance ductility, Unreinforced, c properties of g performance

L2,L3,L4

**Course outcomes:** After studying this course, students will be able to:

- 1. Acquire basic knowledge of engineering seismology
- 2. Develop response spectra for a given earthquake time history and its implementation to estimate response of a given structure.
- 3. Understanding of causes and types of damages to civil engineering structures during different earthquake scenarios
- 4. Analyze multi-storied structures modeled as shear frames and determine lateral force distribution due to earthquake input motion using IS-1893 procedures.
- 5. Comprehend planning and design requirements of earthquake resistant features of RCC and Masonry structures thorough exposure to different IS-codes of practices.

# **Program Objectives:**

- 1. Engineering knowledge
- 2. Problem analysis
- 3. Interpretation of data

# **Text Books:**

- Pankaj Agarwal and Manish Shrikande, "Earthquake resistant design of structures", PHI India.
- S.K. Duggal, "Earthquake Resistant Design of Structures", Oxford University Press
- Anil K. Chopra, "Dynamics of Structures: Theory and Applications to Earthquake Engineering", Pearson Education, Inc.
- T. K. Datta, "Seismic Analysis of Structures", John Wiley & Sons (Asia) Ltd.

# **Reference Books:**

- 1. David Dowrick, "Earthquake resistant design and risk reduction", John Wiley and Sons Ltd.
- 2. C. V. R. Murty, Rupen Goswami, A. R. Vijayanarayanan & Vipul V. Mehta, "Some Concepts in Earthquake Behaviour of Buildings", Published by Gujarat State Disaster Management Authority, Government of Gujarat.
- 3. IS-13920 2016, Ductile Detailing of Reinforced Concrete Structures Subjected to Seismic Forces, BIS, New Delhi
- 4. IS-1893 2016, Indian Standard Criteria for Earthquake Resistant Design of Structures, Part-1, BIS, New Delhi
- 5. IS- 4326 2013, Earthquake Resistant Design and Construction of Buildings, BIS, New Delhi.
- 6. IS-13828 1993, Indian Standard Guidelines for Improving Earthquake Resistance of Low Strength Masonry Buildings, BIS, New Delhi.
- IS-3935 1993, Repair and Seismic Strengthening of Buildings-Guidelines, BIS, New Delhi.

SE	MEGTED.VIII	BCS) scheme]	
Subject Code	MESTER:VIII 17CV832	IA Marks	40
Number of Lecture Hours/Week	03	Exam Marks	60
Total Number of Lecture Hours	40	Exam Marks Exam Hours	03
CREDITS - 03	40	Total Marks	
<b>Course objectives:</b> This course will en	able students to:	I Utal Maiks	5-100
<ul> <li>Analyze and design gravity dams.</li> <li>Find the cross-section of earth dam</li> <li>Design spillways and aprons for div</li> <li>Design CD works and chose appropriate</li> </ul>	a and estimate the s version works.		
Module -1	0		
<b>Gravity Dams:</b> Introduction, forces ac principal and shear stresses. Element Drainage galleries.	-		-
Module -2			, _
<b>Earth Dams:</b> Introduction, causes Determination of parametric line by Ca			
Module -3			
<b>Spillways:</b> Types, Design of Ogee spill dissipation devices. <b>Diversion Head works:</b> Design of Problems		and Koshla's theory	
Module -4		Ľ,	2, 13, 1
Cross Drainage Works: Introduction, '	Type of C.D works,	Design consideration	a for C
		0	
Module -5	otection works, Des	sign of only aqueduct.	
Module -5 Canal Regulation Works: Introduction Canal falls: Necessity and types.	otection works, Des	sign of only aqueduct.	L2, I
Module -5 Canal Regulation Works: Introduction Canal falls: Necessity and types. Canal outlets: Necessity and types.	n, Function of a reg	sign of only aqueduct. ulator.	
Module -5 Canal Regulation Works: Introduction Canal falls: Necessity and types. Canal outlets: Necessity and types. Course outcomes: After studying this	n, Function of a reg	sign of only aqueduct. ulator. ill be able to:	L2, I
Module -5 Canal Regulation Works: Introduction Canal falls: Necessity and types. Canal outlets: Necessity and types. Course outcomes: After studying this • Check the stability of gravity dams	n, Function of a reg course, students w and design the dan	sign of only aqueduct. ulator. ill be able to:	L2, I
Module -5 Canal Regulation Works: Introduction Canal falls: Necessity and types. Canal outlets: Necessity and types. Course outcomes: After studying this Check the stability of gravity dams Estimate the quantity of seepage th	n, Function of a reg course, students w and design the dam rough earth dams.	sign of only aqueduct. ulator. ill be able to: n.	L2, I
Module -5 Canal Regulation Works: Introduction Canal falls: Necessity and types. Canal outlets: Necessity and types. Course outcomes: After studying this Check the stability of gravity dams Estimate the quantity of seepage th Design spillways and aprons for var	n, Function of a reg course, students w and design the dam rough earth dams. rious diversion wor	ill be able to:	L2, I
Module -5 Canal Regulation Works: Introduction Canal falls: Necessity and types. Canal outlets: Necessity and types. Course outcomes: After studying this • Check the stability of gravity dams • Estimate the quantity of seepage th • Design spillways and aprons for var • Select particular type of canal regul	n, Function of a reg course, students w and design the dam rough earth dams. rious diversion wor	ill be able to:	L2, I
Module -5 Canal Regulation Works: Introduction Canal falls: Necessity and types. Canal outlets: Necessity and types. Course outcomes: After studying this Check the stability of gravity dams Estimate the quantity of seepage th Design spillways and aprons for var Select particular type of canal regul Program Objectives: 1. Engineering knowledge 2. Problem analysis 3. Interpretation of data	n, Function of a reg course, students w and design the dam rough earth dams. rious diversion wor	ill be able to:	L2, I
<ul> <li>Module -5</li> <li>Canal Regulation Works: Introduction Canal falls: Necessity and types.</li> <li>Canal outlets: Necessity and types.</li> <li>Course outcomes: After studying this</li> <li>Check the stability of gravity dams</li> <li>Estimate the quantity of seepage th</li> <li>Design spillways and aprons for var</li> <li>Select particular type of canal regul</li> <li>Program Objectives: <ol> <li>Engineering knowledge</li> <li>Problem analysis</li> <li>Interpretation of data</li> </ol> </li> <li>Text Books: <ol> <li>S. K. Garg, "Irrigation Engineering a New Delhi.</li> </ol> </li> </ul>	n, Function of a reg course, students w and design the dan rough earth dams. rious diversion work lation work for cana	sign of only aqueduct. ulator. ill be able to: n. ks. al network. ctures", Khanna Publ	L2, I
<ul> <li>Estimate the quantity of seepage th</li> <li>Design spillways and aprons for var</li> <li>Select particular type of canal regule</li> <li>Program Objectives: <ol> <li>Engineering knowledge</li> <li>Problem analysis</li> <li>Interpretation of data</li> </ol> </li> <li>Text Books: <ol> <li>S. K. Garg, "Irrigation Engineering approximation of the engineer</li></ol></li></ul>	n, Function of a reg course, students w and design the dan rough earth dams. rious diversion wor lation work for cana	sign of only aqueduct. ulator. ill be able to: n. ks. al network. ctures", Khanna Publ ngineering" Lakshmi	L2,

# Publications, New Delhi.

# **Reference Books:**

- 1. R. K. Sharma, "Text Book of Irrigation Engineering and Hydraulic Structures", Oxford and IBH, New Delhi.
- 2. P. N. Modi, "Irrigation, Water Resources and Water Power", Standard Book House, New Delhi.

Course Ti As per Choice Base	tle: PAVEMENT DE		
	SEMESTER:VIII	ebeb) seneme]	
Subject Code	17CV833	IA Marks	40
Number of Lecture Hours/Week	03	Exam Marks	60
Total Number of Lecture Hours	40	Exam Hours	03
<b>Course objectives:</b> This course will e	CREDITS -03	Total Mark	(s- 100
<ol> <li>Gain knowledge about the praaffecting pavement design, and</li> <li>Excel in the path of analysis o</li> <li>Understand design concepts of 37-2001, Mcleods, Kansas) ar</li> <li>Understand the various cause the same.</li> <li>Develop skills to perform fur suitable methods.</li> </ol> Module -1 Introduction: Desirable characterist between Highway pavement and A	ocess of collecting of d maintenance of pa f stress, strain and of of flexible pavement nd also the same of the es leading to failure inctional and structure cics of pavement, Ty	vement. deflection in pavem by various metho rigid pavement by l e of pavement and ural evaluation of pes and componen	nent. ods (CBR, IRC IRC 58-2002 I remedies fo pavement by
Functions of sub grade, sub base, Rigid and flexible pavement Fundamentals of Design of Pavemen and Limitations of Boussinesq's theo	Base course, surfa ts: Stresses and def	ce course, compar flections, Principle,	rison between
Module -2			
<b>Design Factors:</b> Design wheel load climatic factors, Road geometry, S Determination of ESWL by equivaled and problems on above. Flexible pavement Design: Assumption IRC Method (old), CSA method using	Subgrade strength nt deflection criteria ions, Mcleod Method	and drainage, E a, Stress criteria, 1 d, Kansas method,	SWL concep EWL concept
Module -3			
Flexible Pavement Failures, Maint Remedial/Maintenance measures in inspection and unevenness measure deflection method, Falling weight def pavements, Design methods for Airfield pavement and problems on a	flexible pavements, ements, Structural flectometer, GPR me	Functional Evaluation by Ben	tion by Visua kleman bean
Module -4			,
<b>Stresses in Rigid Pavement</b> : T Analysis, Modified Westergaard ed Warping stress, Frictional stress, con on above	quations, Critical	stresses, Wheel l	oad stresses
<b>Design of Rigid Pavement</b> : Design Tandem axle load, Reinforcement in Design factors for Runway pavemen of the above	n slabs, Design of l	Dowel bars, Design	n of Tie bars

Module -5

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L4,L5,L6

**Rigid Pavement Failures, Maintenance and Evaluation:** Types of failures, causes, remedial/maintenance measures in rigid pavements, Functional evaluation by Visual inspection and unevenness measurements, wheel load and its repetition, properties of subgrade, properties of concrete. External conditions, joints, Reinforcement, Requirements of joints, Types of joints, Expansion joint, contraction joint, warping joint, construction joint, longitudinal joint, Design of joints

L4,L5

#### **Course outcomes:** After studying this course, students will be able to:

- 1. Systematically generate and compile required data's for design of pavement (Highway & Airfield).
- 2. Analyze stress, strain and deflection by boussinesq's, burmister's and westergaard's theory.
- 3. Design rigid pavement and flexible pavement conforming to IRC58-2002 and IRC37-2001.
- 4. Evaluate the performance of the pavement and also develops maintenance statement based on site specific requirements.

#### **Program Objectives:**

- Engineering knowledge
- Problem analysis
- Interpretation of data

#### **Text Books:**

- 1. S K Khanna, C E G Justo, and A Veeraragavan, "Highway Engineering", Nem Chand & Brothers
- 2. L.R.Kadiyali and Dr.N.B.Lal, "Principles and Practices of Highway Engineering", Khanna publishers
- 3. Yang H. Huang, "Pavement Analysis and Design", University of Kentucky

## **Reference Books:**

- 1. Yoder & wit zorac, "Principles of pavement design", John Wiley & Sons.
- 2. Subha Rao, "Principles of Pavement Design".
- 3. R Srinivasa Kumar, "Pavement Design", University Press.
- 4. Relevant recent IRC codes

#### Course Title: ADVANCED FOUNDATION DESIGN As per Choice Based Credit System (CBCS) scheme] SEMESTER:VIII

	SEMESIEK:VIII		
Subject Code	17CV834	IA Marks	40
Number of Lecture Hours/Week	03	Exam Marks	60
Total Number of Lecture Hours	40	Exam Hours	03
	CREDITS -03	Total Marks-	100

Course objectives: This course will enable students to

- 1. Gain knowledge of about advanced topics of foundation design and analyses, supplementing their comprehensive knowledge acquired in basic foundation engineering course (15CV53)
- 2. Develop profound understanding of shallow and deep foundation analyses
- 3. Develop understanding of choice of foundation design parameters
- 4. Learn about cause and effect of dynamic loads on foundation

# Module -1

General bearing capacity equation – Terzaghi's, Brinch Hansen's and Mayerhof's analyses, bearing capacity of footings according to BIS, eccentrically loaded footing, footing on layered soil, Settlement of shallow Foundations: Immediate, consolidation, & differential settlements. Principles of design of footing, Proportioning of footings for equal settlement.

# Module -2

Design of combined footings by Rigid method, Combined footings (rectangular & trapezoidal), strap footings. Types of rafts, bearing capacity & settlements of raft foundation, Design of raft foundation – Conventional rigid method, Elastic methods, Coefficient of sub-grade reaction, IS code (IS-2950) procedure

# Module -3

Introduction Necessity of pile foundations, Classification, Load bearing capacity of single pile by Static formula, Dynamic formula, Pile load test and Penetration tests. Introduction, Pile groups, group action of piles in sand and clay, group efficiency of piles, settlement of piles, negative skin friction, laterally loaded piles and under reamed piles.

# L1,L2,L3

L1,L2

L2,L3

# Module -4

Well Foundations: Introduction, Different shapes and characteristics of wells. Components of well foundation. Forces acting on well foundation. Sinking of wells. Causes and remedies of tilts and shifts.

Drilled Piers & Caissons: Introduction, construction, advantages and disadvantages of drilled piers. Design of open, pneumatic and floating caissons. Advantages and disadvantages of floating caissons.

# Module -5

Machine Foundations: Introduction, free and forced vibrations, Types of Machine foundations, degrees of freedom of a block foundation, general criteria for design of machine foundation, vibration analysis of a machine foundation, determination of natural frequency, vibration isolation and control.

# L1,L2,L3

L1,L2,L3

**Course outcomes:** After studying this course, students will be able to:

- 4. Estimate the size of isolated and combined foundations to satisfy bearing capacity and settlement criteria.
- 5. Estimate the load carrying capacity and settlement of single piles and pile groups including laterally loaded piles
- 6. Understand the basics of analysis and design principles of well foundation, drilled piers and caissons
- 7. Understand basics of analysis and design principles of machine foundations

# Program Objectives:

- Engineering knowledge
- Problem analysis
- Interpretation of data

# **Text Books:**

- 1. Punmia B.C., "Soil Mechanics and Foundation Engineering", Laxmi Publications Co., India
- 2. Donald P. Coduto, "Geotechnical Engineering Principles & Practices", Prenticehall of India Ltd, India
- 3. Murthy V.N.S., "Geotechnical Engineering: Principles and Practices of Soil Mechanics and Foundation Engineering", CRC Press, New York.

# **Reference Books:**

- 1. Bowles J.E., "Foundation Analysis and Design", McGraw Hill Pub. Co. New York.
- 2. Swami Saran, "Analysis and Design of Substructures", Oxford & IBH Pub. Co. Pvt. Ltd., India
- 3. R.B. Peck, W.E. Hanson & T.H. Thornburn, "Foundation Engineering", Wiley Eastern Ltd., India
- 4. Braja, M. Das, "Principles of Geotechnical Engineering", Cengage Learning, India
- 5. Bureau of Indian Standards: IS-1904, IS-6403, IS-8009, IS-2950, IS-2911 and all other relevant codes.

	TERNSHIP / PROFES		
	SEMESTER:VIII		
Subject Code	17CV84	IA Marks	50
Number of Lecture Hours/Week	Industry	Exam Marks	50
-	Oriented		
Total Number of Lecture Hours	Industry	Exam Hours	03
	Oriented		
	CREDITS -02	Total Marks-	100

**Course objectives:** This course will enable students to get the field exposure and experience

## Note: Internship / Professional Practice:

- 1. This shall be carried out by students in industry set-up related to the construction/ materials testing laboratories/research organizations/project management consulting firms/QS and QA organizations/ planning and design offices/Professional organisations like ACCE/ICI/INSTRUCT/RMCMA/QCI, PMI, CIDC etc. and other avenues related to the civil engineering domain in consultation and approval of internship guide/HOD /internship committees of the institutions.
- 2. The professional certification programs like ACCE(I)- SMP, ICI-BMTPC certifications, NSTRUCT-certifications, CIDC certifications, RMC-QCI's RMCPCS Certification Programs, RMCMA-NRMCA'S Concrete Technologist India(CTI) programs and such similar programs by professional bodies with adequate industry exposures at sites/RMC plants can be considered as Internship /Professional Practice with due approvals from the guide/HOD /internship committees of the institutions
- 3. The industry/organisation should issue certificates of internship offer and its completion. The offer letter should clearly have the nature of work to be done by the student and the supervisor's name and duration of internship.
- 4. The student shall make a midterm and final presentation of the activities undertaken during the first 6 weeks and at the end of 12th week of internship respectively, to a panel comprising internship guide, a senior faculty from the department and head of the department. Each student should submit the internship report at the end of semester with internship certificate.
- 5. Viva-Voce examination shall be conducted by a panel of examiners consisting of internship supervisor from industry or industry professional approved by university and internship guide from the institute.
- 6. The College shall facilitate and monitor the student internship program.
- 7. The internship should be completed during vacation after VI and VII semesters.

# VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI CHOICE BASED CREDIT SYSTEM (CBCS) SCHEME OF TEACHING AND EXAMINATION 2015-2016

#### **B.E. Mechanical Engineering**

#### VIII SEMESTER

			Teacl	ning Hours	/Week		Examina	ation		Credits
SI. No	Subject Code	Title	Lecture	Tutorial	Practical	Duration (Hours)	SEE Marks	CIE Marks	Total Marks	
1	17ME81	Operations Research	3	2	0	03	60	40	100	4
2	17ME82	Additive Manufacturing	4	0	0	03	60	40	100	4
3	17ME83X	Professional Elective - V	3	0	0	03	60	40	100	3
4	17ME84	Internship / Professional Practice	Inc	dustry Orier	nted	03	60	40	60	40
5	17ME85	Project Phase – II	• •	6	-	03	60	40	200	6
6	17MES86	Seminar	<b>A</b> -	4	-	-	60	40	100	1
		TOTAL	10	12	-		480	320	700	20

Professional	Elective-V
15ME831	Cryogenics
15ME832	Experimental Stress Analysis
15ME833	Theory of Plasticity
15ME834	Green Manufacturing
15ME835	Product life cycle management

1. Core subject: This is the course, which is to be compulsorily studied by a student as a core requirement to complete the requirement of a programme in a said discipline of study.

2. Professional Elective: Elective relevant to chosen specialization/ branch

**3. Internship / Professional Practice:** To be carried out between 6<sup>th</sup>& 7<sup>th</sup> semester vacation or 7<sup>th</sup>& 8<sup>th</sup> semester vacation.

	<b>OPERATIONS R</b>		
	B.E, VIII Semester, Mech	nanical Engineering	
	[As per Choice Based Credit	System (CBCS) scheme]	
Course Code	17ME81	CIE Marks	40
Number of Lecture Hours/Week	04	SEE Marks	60
Total Number of Lecture Hours	50(10 Hours per Module)	Exam Hours	03
	Credits –	04	
<ul><li>basis of decision making.</li><li>2. To enable the studentsto</li></ul>			of an organization with a quantitative optimal solutions to problems involving
	Module	-1	
	initions of OR, Scope of OR, Applicati gramming Problem (LPP), Generalized		
	Modu		
	nd Standard form of LP problem, slack, plex Method, Degeneracy in LPP. Conce		, Solutions to LPP by Simplex method, given LPP. Solutions to L.P.P by
*	Module	- 3	
Approximation method. Optimality	tion of transportation problem, types, it in Transportation problem by Modifie ms, application of transportation problem	ed Distribution(MODI) method	sing North-West Corner rule, Vogel's d. Unbalanced T.P. Maximization T.P.
	Module		
method to find the expected complet completing a project, predicting the <b>Queuing Theory</b> : Queuing systems	nstruction of networks, Fulkerson's ru ion time of a project, determination of f completion time of project; Cost analys and their characteristics, Pure-birth an – Numerical on M/M/1 and M/M/C Qu	loats in networks, PERT netw is in networks. Crashingofnetw nd Pure-death models (only eq	orks, determining the probability of
	Module	- 5	
	ategy problems, Saddle point, Max-Min roblems. Solution of 2X2 games by Ari	· 1	e e

**Sequencing:** Basic assumptions, Johnson's algorithm, sequencing 'n' jobs on single machine using priority rules, sequencing using Johnson's rule-'n' jobs on 2 machines, 'n' jobs on 3 machines, 'n' jobs on 'm' machines. Sequencing of 2 jobs on 'm' machines using graphical method.

# **Course outcomes:**

- 1. Understand the meaning, definitions, scope, need, phases and techniques of operations research.
- 2. Formulate as L.P.P and derive optimal solutions to linear programming problems by graphical method, Simplex method, Big-M method and Dual Simplex method.
- **3.** Formulate as Transportation and Assignment problems and derive optimum solutions for transportation, Assignment and travelling salesman problems.
- 4. Solve problems on game theory for pure and mixed strategy under competitive environment.
- 5. Solve waiting line problems for M/M/1 and M/M/K queuing models.
- 6. Construct networkdiagrams and determine critical path, floats for deterministic and PERT networks including crashing of Networks.
- 7. Determine minimum processing times for sequencing of n jobs-2 machines, n jobs-3machines, n jobs-m machinesand 2 jobs-n machines using Johnson's algorithm.

# **TEXT BOOKS:**

- 1. Operations Research, P K Gupta and D S Hira, S. Chand and Company LTD. Publications, New Delhi 2007
- 2. Operations Research, An Introduction, Seventh Edition, Hamdy A. Taha, PHI Private Limited, 2006.
- 3. Introduction to Operations Research, Lieberman/Nag/Basu, 9th Edition, McGraw Hill Education Pvt.Ltd.,

# **REFERENCE BOOKS:**

- 1. Operations Research, Theory and Applications, Sixth Edition, J K Sharma, Trinity Press, Laxmi Publications Pvt.Ltd. 2016.
- 2. Operations Research, Paneerselvan, PHI
- 3. Operations Research, A M Natarajan, P Balasubramani, Pearson Education, 2005
- 4. Introduction to Operations Research, Hillier and Lieberman,8<sup>th</sup>Ed., McGraw Hill

	ADDITIVE MANU		
	B.E, VIII Semester, Mech	• •	
	[As per Choice Based Credit S	ystem (CBCS) scheme]	
Course Code	17ME82	CIE Marks	40
Number of Lecture Hours/Week	04	SEE Marks	60
Total Number of Lecture Hours	50(10 Hours per Module)	Exam Hours	03
	Credits –	)4	Ċ
	anufacturing process, polymerization		
<ol> <li>Understand characterisation</li> <li>Acquire knowledge on CNC</li> </ol>	n techniques in additive manufacturin C and Automation.	ig.	
	Module -	1	
preparation for use as a pattern, prop Guidelines for process selection: In AM Applications: Functional mode	apport material removal, surface texts erty enhancements using non-thermal and troduction, selection methods for a part els, Pattern for investment and vacuum oment, Bi-metallic parts, Re-manufactur astries.	d thermal techniques. challenges of selection casting, Medical models, art model	s, Engineering analysis models
	Modu		
System Drives and devices: Hydrau Actuators: Electrical Actuators; Solo	lie and provinctic motors and their fast	e - 2	
Pneumatic circuits, Piezoelectric actu	enoids, Relays, Diodes, Thyristors, and	ures, Electrical motors AC/DC and the	
Pneumatic circuits, Piezoelectric actu POLYMERS & POWDER METALL	enoids, Relays, Diodes, Thyristors, and ators, Shape memory alloys. Module -	rres, Electrical motors AC/DC and the Triacs. Hydraulic and Pneumatic actures actures and Pneumatic actures and Pneumatic actures and Pneumatic actures actures and Pneumatic actures and Pneumatic actures	

Structure, Chemical Characterization

Microstructure Control in Powder: Importance of Microstructure Study, Microstructures of Powder by Different techniques.

Powder Shaping: Particle Packing Modifications, Lubricants & Binders, Powder Compaction & Process Variables, Pressure & Density Distribution during Compaction, Isotactic Pressing, Injection Moulding, Powder Extrusion, Slip Casting, Tape Casting.
 Sintering: Theory of Sintering, Sintering of Single & Mixed Phase Powder, Liquid Phase Sintering Modern Sintering Techniques, Physical & Mechanical Properties Evaluation, Structure-Property Correlation Study, Modern Sintering techniques, Defects Analysis of Sintered Components
 Application of Powder Metallurgy: Filters, Tungsten Filaments, Self-Lubricating Bearings, Porous Materials, Biomaterials etc.

#### Module - 4

# NANO MATERIALS & CHARACTERIZATION TECHNIQUES:

**Introduction:** Importance of Nano-technology, Emergence of Nanotechnology, Bottom-up and Top-down approaches, challenges in Nanotechnology **Nano-materials Synthesis and Processing:** Methods for creating Nanostructures; Processes for producing ultrafine powders- Mechanical grinding; Wet Chemical Synthesis of Nano-materials- sol-gel process; Gas Phase synthesis of Nano-materials- Furnace, Flame assisted ultrasonic spray pyrolysis; Gas Condensation Processing (GPC), Chemical Vapour Condensation(CVC).

**Optical Microscopy -** principles, Imaging Modes, Applications, Limitations.

Scanning Electron Microscopy (SEM) - principles, Imaging Modes, Applications, Limitations. Transmission Electron Microscopy (TEM) - principles, Imaging Modes, Applications, Limitations.X- Ray Diffraction (XRD) - principles, Imaging Modes, Applications, Limitations.Scanning Probe Microscopy (SPM) - principles, Imaging Modes, Applications, Limitations.Atomic Force Microscopy (AFM) - basic principles, instrumentation, operational modes, Applications, Limitations. Electron Probe Micro Analyzer (EPMA) - Introduction, Sample preparation, Working procedure, Applications, Limitations.

# Module - 5

# MANUFACTURING CONTROL AND AUTOMATION

**CNC technology - An overview:** Introduction to NC/CNC/DNC machine tools, Classification of NC /CNC machine tools, Advantage, disadvantages of NC /CNC machine tools, Application of NC/CNC **Part programming:** CNC programming and introduction, Manual part programming: Basic (Drilling, milling, turning etc.), Special part programming, Advanced part programming, Computer aided part programming (APT)

**Introduction:** Automation in production system principles and strategies of automation, basic Elements of an automated system. Advanced Automation functions. Levels of Automations, introduction to automation productivity

**Control Technologies in Automation:** Industrial control system. Process industry vs discrete manufacturing industries. Continuous vs discrete control. Continuous process and its forms. Other control system components.

**Course outcomes:** 

- 1. Understand the different process of Additive Manufacturing. using Polymer, Powder and Nano materials manufacturing.
- 2. Analyse the different characterization techniques.
- 3. Describe the various NC, CNC machine programing and Automation techniques.

# **TEXT BOOKS:**

- 1. Chua Chee Kai, Leong Kah Fai, "Rapid Prototyping: Principles & Applications", World Scientific, 2003.
- 2. G Odian Principles of Polymerization, Wiley Interscience John Wiley and Sons, 4th edition, 2005
- 3. Mark James Jackson, Microfabrication and Nanomanufacturing, CRC Press, 2005.
- 4. Powder Metallurgy Technology, Cambridge International Science Publishing, 2002.
- 5. P. C. Angelo and R. Subramanian: Powder Metallurgy- Science, Technology and Applications, PHI, New Delhi, 2008.
- 6. Mikell P Groover, Automation, Production Systems and Computer Integrated Manufacturing, 3rd Edition, Prentice Hall Inc., New Delhi, 2007.

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# **REFERENCE BOOKS:**

- 1. Wohler's Report 2000 Terry Wohlers Wohler's Association -2000
- 2. Computer Aided Manufacturing P.N. Rao, N.K. Tewari and T.K. Kundra Tata McGraw Hill 1999
- 3. Ray F. Egerton, Physical Principles of Electron Microscopy: An Introduction to TEM, SEM, and AEM, Springer, 2005.
- 4. P. C. Angelo and R. Subramanian: Powder Metallurgy- Science, Technology and Applications, PHI, New Delhi, 2008.

	CRYOG	ENICS	
	B.E, VIII Semester, Mee	chanical Engineering	
	[As per Choice Based Credi	t System (CBCS) scheme]	
Course Code	17ME831	CIE Marks	40
Number of Lecture Hours/Week	03	SEE Marks	60
Total Number of Lecture Hours	40( 8 Hours per Module)	Exam Hours	03
	Credits	- 03	0
<ol> <li>To analyze gas cycle cryog</li> <li>To Comprehend gas separ</li> <li>To have detailed knowledg</li> </ol>	ation and gas purification system e of vacuum technology, insulation,		
5. To study applications of c	ryogenics and to embark on cryogen Module		
Introduction to Cryogenic System			
	le Linde –Hampson System, Claude Liquefaction Cycles Liquefaction Module	cycle for hydrogen, helium and	
Gas Cycle Cryogenic Refrigeratio			
Classification of Cryo coolers, Stirl	ng cycle Cryo – refrigerators, Ideal cy		
McmahonCryo- refrigerator, Pulse t	gerators, Integral piston Stirlingcryo-c	ooler, Free displacer split type Stirling	gCryo coolers, Gifford
McmahonCryo- refrigerator, Pulse t		ooler, Free displacer split type Stirling ator, Vuillimier refrigerator, Cryogenio	gCryo coolers, Gifford
Gas Separation and Gas Purificat	gerators, Integral piston Stirlingcryo-c ube refrigerator, Solvay cycle refrigera Module ion Systems stem, Properties of mixtures, Principle	ooler, Free displacer split type Stirling ator, Vuillimier refrigerator, Cryogenie e - 3	gCryo coolers, Gifford c regenerators.
Gas Separation and Gas Purificat Thermodynamic ideal separation sy column air separation, Argon and N	gerators, Integral piston Stirlingcryo-c ube refrigerator, Solvay cycle refrigera Module ion Systems stem, Properties of mixtures, Principle eon separation systems.	ooler, Free displacer split type Stirling ator, Vuillimier refrigerator, Cryogenie e - 3	gCryo coolers, Gifford c regenerators.
Gas Separation and Gas Purificat Thermodynamic ideal separation sy column air separation, Argon and N Ultra Low Temperature Cryo – R Magneto Caloric Refrigerator 3He-4	gerators, Integral piston Stirlingcryo-c ube refrigerator, Solvay cycle refrigera Module ion Systems stem, Properties of mixtures, Principle eon separation systems.	ooler, Free displacer split type Stirling ator, Vuillimier refrigerator, Cryogenic e - 3 s of gas separation, Linde single colur k cooling. Measurement systems for lo	cregenerators. nn air separation. Linde double
Gas Separation and Gas Purificat Thermodynamic ideal separation sy column air separation, Argon and N Ultra Low Temperature Cryo – R Magneto Caloric Refrigerator 3He-4	gerators, Integral piston Stirlingcryo-c ube refrigerator, Solvay cycle refrigera Module ion Systems stem, Properties of mixtures, Principle eon separation systems. efrigerators He Dilution refrigerator. Pomeranchu Resistance thermometers, Thermocoup	ooler, Free displacer split type Stirling ator, Vuillimier refrigerator, Cryogenic e - 3 s of gas separation, Linde single colur k cooling. Measurement systems for lo les, Thermistors, Gas Thermometry. L	gCryo coolers, Gifford c regenerators. nn air separation. Linde double ow temperatures, Temperature
Gas Separation and Gas Purificat Thermodynamic ideal separation sy column air separation, Argon and N Ultra Low Temperature Cryo – R Magneto Caloric Refrigerator 3He-4	gerators, Integral piston Stirlingcryo-c ube refrigerator, Solvay cycle refrigera Module ion Systems stem, Properties of mixtures, Principle eon separation systems. efrigerators 4He Dilution refrigerator. Pomeranchu	ooler, Free displacer split type Stirling ator, Vuillimier refrigerator, Cryogenic e - 3 s of gas separation, Linde single colur k cooling. Measurement systems for lo les, Thermistors, Gas Thermometry. L	cryo coolers, Gifford cregenerators. nn air separation. Linde double ow temperatures, Temperature

Opacified powder insulation, Gas filled powders & Fibrous materials Multilayer super-insulation, Composite insulation <b>Module - 5</b>				
Cryogenic Fluid Sto	brage And Transfer Systems			
External pressurization Application of Cryo	fluid storage vessels, Inner vessel, Outer Insulation, Suspension system, Fill and drain lines. Cryogenic fluid transfer on, Self pressurization, Transfer pump. genic Systems n for food preservation – Instant Quick Freezing techniques Super conductive devices, Cryogenic applications for space			
0.	enic systems, super conducting devices, space technology, cryogenic in biology and medicine.			
	f this subject students will be able to:			
<ol> <li>To have comp</li> <li>To be able to</li> <li>To able to sol</li> </ol>	o understand the cryogenic system. plete knowledge of cryogenic refrigeration system design gas separation and gas purification system lve the problem in , insulation, storage of cryogenic liquids apply cryogenic in various areas and to be able take up research in cryogenics			
<ol> <li>To have comp</li> <li>To be able to</li> <li>To able to sol</li> </ol>	o understand the cryogenic system. plete knowledge of cryogenic refrigeration system design gas separation and gas purification system lve the problem in , insulation, storage of cryogenic liquids			
<ol> <li>To have comp</li> <li>To be able to</li> <li>To able to sol</li> <li>To be able to</li> </ol>	o understand the cryogenic system. plete knowledge of cryogenic refrigeration system design gas separation and gas purification system lve the problem in , insulation, storage of cryogenic liquids apply cryogenic in various areas and to be able take up research in cryogenics			
<ol> <li>To have comp</li> <li>To be able to</li> <li>To able to sol</li> <li>To be able to</li> <li>To be able to</li> </ol>	o understand the cryogenic system. plete knowledge of cryogenic refrigeration system design gas separation and gas purification system lve the problem in , insulation, storage of cryogenic liquids apply cryogenic in various areas and to be able take up research in cryogenics			
<ol> <li>To have comp</li> <li>To be able to</li> <li>To able to sol</li> <li>To be able to</li> <li>To be able to</li> </ol> TEXT BOOKS <ol> <li>Cryogenic Systems</li> <li>Cryogenic Enginee</li> </ol>	o understand the cryogenic system. plete knowledge of cryogenic refrigeration system o design gas separation and gas purification system lve the problem in , insulation, storage of cryogenic liquids o apply cryogenic in various areas and to be able take up research in cryogenics s – R.F. Barron ering – R.B. Scott – D.VanNostrand Company, 1959			
<ol> <li>To have comp</li> <li>To be able to</li> <li>To able to sol</li> <li>To be able to</li> <li>To be able to</li> </ol> TEXT BOOKS <ol> <li>Cryogenic Systems</li> <li>Cryogenic Enginee</li> </ol> REFERENCE BOOK	o understand the cryogenic system. plete knowledge of cryogenic refrigeration system o design gas separation and gas purification system lve the problem in , insulation, storage of cryogenic liquids o apply cryogenic in various areas and to be able take up research in cryogenics s – R.F. Barron ering – R.B. Scott – D.VanNostrand Company, 1959			
<ol> <li>To have complete</li> <li>To be able to</li> <li>To able to sole</li> <li>To be able to</li> <li>To be able to</li> <li>To be able to</li> </ol> TEXT BOOKS <ol> <li>Cryogenic Systems</li> <li>Cryogenic Enginee</li> <li>REFERENCE BOOK</li> <li>Cryogenic Process</li> </ol>	<ul> <li>a understand the cryogenic system.</li> <li>b plete knowledge of cryogenic refrigeration system</li> <li>b design gas separation and gas purification system</li> <li>b lve the problem in , insulation, storage of cryogenic liquids</li> <li>c apply cryogenic in various areas and to be able take up research in cryogenics</li> </ul> s – R.F. Barron ering – R.B. Scott – D.VanNostrand Company, 1959 KS			

	EXPERIMENTAL ST				
	B.E, VIII Semester, Mee	chanical Engineering			
[As per Choice Based Credit System (CBCS) scheme]					
Course Code	17ME832	CIE Marks	40		
Number of Lecture Hours/Week	03	SEE Marks	60		
Total Number of Lecture Hours	40(8 Hours per Module)	Exam Hours	03		
	Credits	- 03			
<ol> <li>To analyze stress and strain</li> <li>To understand the photo ela</li> <li>To understand elastic behav</li> </ol>	ment of stain using electrical strain s induced mechanical systems using stic techniques to characterize the ior of solid bodies using coating tec	g electrical strain gauges. elastic behavior of solids. chniques.			
8. To apply the holography me	thods to measure stress and strains. Module				
	Would	e-1			
<b>Electrical Resistance Strain Gages:</b> sensitivity and gage factor, Performancircuits. Potentiometer, Wheatstone's	nce Characteristics, Environmental ef		ounting techniques, Gage		
	Module	e - 2			
Strain Analysis Methods: Two elem shear gage, Stress intensity factor gag Force, Torque and strain measurer	ge.				
Toree, Torque una strum measurer	Module		to, torque measurement.		
Photoelasticity: Nature of light, W circuclarpolariscopes, Isoclinics&Iso materials. Two Dimensional Photoelasticity: Properties of 2D photoelastic model n	Vave theory of light - optical inte chromatics, Fringe order determinat Separation methods: Shear differenc	erference, Stress optic law –effect tion Fringe multiplication technique ere method, Analytical separation met	es, Calibration photoelastic mode		
risperies of 22 photoenastic model	Materials, Materials for 2D photoeras	•			
Three Dimensional Photo elasticity Scattered lightpolariscope and stress of Photoelastic (Birefringent) Coating Poission's Stress separation technique	: Stress freezing method, Scattered li data Analyses. s : Birefringence coating stresses, Ef	ghtphotoelasticity, Scattered light as			

# Module - 5 Brittle Coatings: Coatings stresses, Crack patterns, Refrigeration techniques, Load relaxation techniques, Crack detection methods, Types of brittle coatings and its applications. Moire Methods: Moire fringes produced by mechanical interference. Geometrical approach, Displacement field approach to Moire fringe analysis, Out of plane displacement measurements, Out of plane slope measurements. Applications and advantages **Course outcomes:** 1. Explain and the elastic behavior of solid bodies. 2. Describe stress strain analysis of mechanical systems using electrical resistance strain gauges. 3. Understand the experimental methods of determining stresses and strains induced. 4. Apply the coating techniques to determine the stresses and strains. **TEXT BOOKS:** 1. "Experimental Stress Analysis", Dally and Riley, McGraw Hill. 2. "Experimental Stress Analysis". Sadhu Singh, Khanna publisher. **REFERENCE BOOKS** 1. Experimental stress Analysis, Srinath L.S tata Mc Graw Hill. 2. "PhotoelasticityVol I and Vol II, M.M.Frocht, John Wiley & sons. 3. "Photo Elastic Stress Analysis", Kuske, Albrecht & Robertson John Wiley & Sons. 4. Motion Measurement and Stress Analysis Dave and Adams 5. Holman, "Experimental Methods for Engineers" Tata McGraw Hill Companies, 7th Edition, New York, 2007

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	THEORY OF PL	ASTICITY	
	B.E, VIII Semester, Mech	anical Engineering	
	[As per Choice Based Credit S	System (CBCS) scheme]	
Course Code	17ME833	CIE Marks	40
Number of Lecture Hours/Week	03	SEE Marks	60
Total Number of Lecture Hours	40( 8 Hours per Module)	Exam Hours	03
	Credits –	03	0
-	asticity and mechanism of plastic deform		
• To expose the students to elast	o-plastic problems involving plastic defor	mation of beams and bars.	
• To introduce the concepts of sl	•		
	Module -		
octahedralnormalandshearstresses,	sticity:Concept of stress, stress invarian sphericalanddeviatoricstress,stress tran ical strain tensors, strainrateandstrainr	sformation;concept of strain,engin	-
	Module -	2	
recovery, recrystallization and grain gro	sticity conditions, Von Mises and Tresca cri		
· · · ·	Module -	3	
	ess-strain diagramsfor differentmateria verification of Saint Venant's theory of substance.		•
	Module -	4	
	ng, analysis of stresses, linear and nonlinear rsion of a circular bar, elastic perfectly plas	•	material, problems.
	Module -	5	
	sic equations for incompressible two dime ip line field, properties of the slip lines, cor		tresses in conditions of plain strai
• Understand plastic stress-st	eformations, relation between stress a rain relations and associated flow rul eams and bars including Material no	es.	n in solids.

• Analyze the yielding of a material according to different yield theory for a given state of stress.

• Interpret the importance of plastic deformation of metals in engineering problems

## **TEXT BOOKS:**

- 1. "Theory of Plasticity", Chakraborty, 3rd Edition Elsevier.
- 2. "TheoryofPlasticityand Metal formingProcess"-Sadhu Singh, KhannaPublishers, Delhi.

## **REFERENCE BOOKS**

- 1. "EngineeringPlasticity-TheoryandApplicationto Metal FormingProcess" -R.A.C. Slater, McMillan PressLtd.
- 2. "Basic Engineering Plasticity", DWA Rees, 1st Edition, Elsevier.
- 3. "Engineering Plasticity", W. Johnson and P. B. Mellor, Van NoStrand Co. Ltd 2000
- 4. Advanced Mechanics of solids, L. S. Srinath, Tata Mc. Graw Hill, 2009.

	Green Manu B.E, VIII Semester, Mech	e	
	[As per Choice Based Credit	• •	
Course Code	17ME834	CIE Marks	40
Number of Lecture Hours/Week	03	SEE Marks	60
Total Number of Lecture Hours	40( 8 Hours per Module)	Exam Hours	03
Total Number of Lecture Hours			03
Course Objectives:		03	
• Understand the analytical t	ding of sustainable manufacturing, g ools, techniques in green manufactur f sustainable manufacturing, environ	ing	
• Onderstand mestractures (	Module		•
Manufacturing. <b>The Social, Business, and Policy E</b> Introduction, The Social Environm Atmosphere and Challenges, The Po <b>Metrics for Green Manufacturing</b> Introduction, Overview of Current Research Needs. <b>Green Supply Chain</b>	tions and Barriers to Green Manufacturing nvironment for Green Manufacturing ent—Present Atmosphere and Challen licy Environment—Present Atmosphere Module	<b>g</b> nges for Green Manufacturing, The <u>e and Challenges for Green Manufac</u> - <b>2</b> Methodologies, Metrics Developme	Business Environment: Present cturing. ent Methodologies, Outlook and
Suppry Chain.	Module	- 3	
of Machine Tools, Process Paramete for Sustainable Factory Design. <b>Semiconductor Manufacturing</b> Overview of Semiconductor Fabric	conomic and Ecological Benefits of Cl er Optimization, Dry Machining and M ation, Micro fabrication Processes, Fac e Issues with Semiconductors, Example Module	osed Loop Systems, Machine Tools linimum Quantity Lubrication, Rema cility Systems, Green Manufacturing of Analysis of Semiconductor Manu	anufacturing, Reuse, Approaches g in the Semiconductor Industry:
Environmental Implications of Na		<del>۲</del>	
Introduction, Nano-manufacturing	Fechnologies, Conventional Environme Cycle Assessment (LCA) of Nanotechi	1 0	, Unconventional Environmental

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Green Manufacturing Through Clean Energy Supply

Introduction, Clean Energy Technologies, Application Potential of Clean Energy Supplying Green Manufacturing

Module - 5

Packaging and the Supply Chain: A Look at Transportation

Introduction, Background, Recommended Method to Determine Opportunities for Improved Pallet Utilization, Discussion.

Enabling Technologies for Assuring Green Manufacturing

Motivation, Process Monitoring System, Applying Sensor Flows in Decision Making: Automated Monitoring, Case Study.

Concluding Remarks and Observations about the Future

Introduction, Evolution of Manufacturing, Leveraging Manufacturing, Energy of Labor.

**Course outcomes:** 

- Understand the basic design concepts, methods, tools, the key technologies and the operation of sustainable green manufacturing.
- Apply the principles, techniques and methods to customize the learned generic concepts to meet the needs of a particular industry/enterprise.
- Identify the strategies for the purpose of satisfying a set of given sustainable green manufacturing requirements.
- Design the rules and processes to meet the market need and the green manufacturing requirements by selecting and evaluating suitable technical, managerial / project management and supply chain management scheme.



	PRODUCT LIFE CYCI	LE MANAGEMENT	
	B.E, VIII Semester, Mec	hanical Engineering	
	[As per Choice Based Credit	System (CBCS) scheme]	
Course Code	17ME835	CIE Marks	40
Number of Lecture Hours/Week	03	SEE Marks	60
Total Number of Lecture Hours	40( 8 Hours per Module)	Exam Hours	03
	Credits -	- 03	
<ul> <li>Course Objectives:</li> <li>Familiarize with various s</li> <li>Understand the concept of</li> </ul>	trategies of PLM product design and simulation.		
-	opment,product structure and supp	orting systems	
	recasting and product innovation an	<b>e</b> .	ncesses
-	ng and Product Configuration.	u uevelopment in busiless pro	
	Module	-1	
feasibility study. PLM Strategies, str of PDM systems.	rategy elements, its identification, selec		act Data Management, implementation
PRODUCT DESIGN	Module	- 2	
Engineering design, organization a	X' and design central development mo		hodical evolution in product design, end of life, recycling, human factors in
	Module	- 3	
	trol, implementing new product devel		timating market opportunities for new , launching and tracking new produc
	Module	- 4	
TECHNOLOGY FORECASTING	۱ F		
technologies Integration of technologies	technology forecasting, relevance tree ogical product innovation and product ding to the situation, methods and tool	development in business proc	esses within enterprises, methods and

#### Module - 5

## PRODUCT BUILDING AND STRUCTURES

Virtual product development tools for components, machines, and manufacturing plants: 3D CAD systems, digital mock-up, model building, model analysis, production (process) planning, and product data technology, Product structures: Variant management, product configuration, material master data, product description data, Data models, Life cycles of individual items, status of items.

## Scheme of Examination:

Two question to be set from each module. Students have to answer five full questions, choosing at least one full question from each module. Motivation, Process Monitoring System, Applying Sensor Flows in Decision Making:Automated Monitoring, Case Study.

## Concluding Remarks and Observations about the Future

Introduction, Evolution of Manufacturing, Leveraging Manufacturing, Energy of Labor.

#### **Course outcomes:**

- Explain the various strategies of PLM and Product Data Management
- Describe decomposition of product design and model simulation
- Apply the concept of New Product Development and its structuring.
- Analyze the technological forecasting and the tools in the innovation.
- Apply the virtual product development and model analysis

## **Text Books:**

1.Stark, John. Product Lifecycle Management: Paradigm for 21st Century ProductRealisation, Springer-Verlag, 2004. ISBN 1852338105

2.Fabio Giudice, Guido La Rosa, Product Design for the environment-A life cycle

approach, Taylor & Francis 2006

## **Reference Books:**

1.. SaaksvuoriAntti / ImmonenAnselmie, product Life Cycle Management Springer, Dreamtech, 3-540-25731-4

2. Product Lifecycle Management, Michael Grieves, Tata McGraw Hill

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## **Internship/ Professional Practice**

Course	Code	Credits	ттр	Asses	sment	Exam Duration
Course	Code	Creans	L-T-P	L-I-P SEE CIA Exa	Exam Duration	
Internship/ Professional Practice	17ME84	2	Industry Oriented	50	50	3 Hrs

## Project Work, Phase II

Course	Codo	ada Cradita LTD		Credits L-T-P		Asses	sment	Even Dynation
Course	Code	Creans	lits L-T-P	SEE	CIA	Exam Duration		
Project Work, Phase II	17MEP85	6	0-6-0	100	100	3 Hrs		

## Seminar

Common	Code	Credita	ТТР	Asses	sment	Exam Duration
Course	Code	Credits L-T-P	L-I-F	SEE	CIA	Exam Duration
Seminar	17MES86		0-4-0	100	-	-

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## VISVESVARAYA TECHNOLOGICAL UNIVERSITY SCHEME OF TEACHING AND EXAMINATION

## RUBRICS FOR CONTINUOUS INTERNAL EVALUATION (CIE) FOR 40 MARKS

Particulars	Marks	Procedure
Internal Assessment Test	50+50= 100/4=25	Average of two best performances out of three internal assessments tests shall be considered.
Seminar/Presentation	05	Document for the same must be maintained
Subject Viva-Voce/ Oral Examination	05	Document for the same must be maintained
Assignment/ Quiz	05	Document for the same must be maintained

Note: Course Instructor may introduce/use any activity other than the above three activities to award 15marks. The activities used by the course instructor must be measurable and documented for inspection by VTU.

Semester End Examination (SEE) conducted for 100marks and converted to 60 marks.

## **QUESTION PAPER PATTERN for SEE**

Q.No.1 to7	Marks
PART -A	
a	3 marks
b.	7 marks
с.	10 marks
Total (4/7) 4X20	80 marks
PART -B CASE -Compulsory	20 marks

Note: For III Semester SEE, 20% marks shall be allocated to application oriented questions based on practical Components given at the end of each course.

## **GUIDELINES FOR 6 WEEK PROJECT WORK**

Semester	IV. Inclusion of the	CIE Marks	: 40
Course Code	18MBAPR407	SEE Marks	: 60
Teaching Hours / week (L:T:P)	0-0-12	enovel existent and an	
	Credits : 06	histospotokatika	4

#### **OBJECTIVE**

To expose the students to understand the working of the organization/company / industry and take up an in-depth study of an issue / problem in the area of specialization.

#### **GENERAL GUIDELINES**

- The project work shall be for a period of 6 weeks immediately after the completion of 3rd Semester Examinations but before the commencement of the 4th semester classes.
- The project work report shall be compulsory for all the students opting for all specializations.
- The University shall receive 2 copies of project reports prior to the commencement of the 4th semester examination. Copies of the project report should be sent to the concerned Regional Office with an intimation to the Registrar (Evaluation)
- By keeping the business trend in the present scenario, university has given an option to the students to select the research problem either from business organization or they can carry out the project on freelance basis subject to the approval of department committee.
- It is the total responsibility of the internal guide to monitor the freelance project.
- In case, business problem selected from a Company, no two students of an institute shall work on the same problem in the same organization.
- The student shall seek the guidance of the internal guide on a continuous basis, and the guide shall give a certificate to the effect that the candidate has worked satisfactorily under his/her guidance.
- On completion of the project work, student shall prepare a report with the following format.
- The Project report shall be prepared using word processor viz. MS Word with New Times Roman, 12 font size
- All the reports shall be printed in the A4 size 1 inch margin on all the sides.
- The report shall be hard bound facing sheet of royal blue color indicating the title of college and month & year of admission (spiral binding not permitted)

- A certificate by the guide, HOD and Head of the institution indicating the bonafide performance of the project by the student to be enclosed.
- An undertaking by the student to the effect that the work is independently carried out by him/her
- The certificate from the organization if applicable.
- Acknowledgement
- Executive Summary

## Schedule to be followed before commencement of Project

Activity	Timeline	Remarks
<ul> <li>Identifying the organization</li> <li>Problem identification</li> </ul>	First week	Student individually identifies an organization OR identifies problem for his/her study, according to his/her interest.
<ul> <li>Problem statement</li> <li>Research Design</li> </ul>	Second Week	His/ Her interests are discussed with project guides. Discussion with Internal Guide to decide on suitable design for the research
Synopsis Preparation	Third week	Preparation of Synopsis* & formulating the objectives
Presentation of Synopsis	Fourth Week	The student will present the synopsis with the detailed execution plan to the Internal Guide and HOD who will review and may: a. Approve b. Approve with modification or c. Reject for fresh synopsis
Approval Status	Fifth & Sixth week	The approval status is submitted to HOD who will officially give concurrence for the execution of the Project

\*Synopsis: It is a three page document or hard copy to be submitted to the HOD with the signatures of the Guide and the student.

Page 1	Title, Contact Address of student- with details of Internal and External Guide (if applicable)
Page 2	Short introduction with objectives and summary (300 words). Review of Articles / Literature about the topic with source of information
Page 3	Time Activity Chart

Fridewick report shall be prepared using word produces viz. MS and with New Timos Roman, 12 font size.

Units reports Shall be printed in the Astronov I mult realize a shall the

as report shall be hard bound facing sheet of roys, place color nucering the unit of contene and thermal & year of an african (spiral

### Schedule to be followed during Project work

Activity	Time Line	Remarks
Understanding Structure, Culture and functions of the organization /identifying of business problem from the Industry from the literature study	First week of Project	Student should understand products/services and the problems of the organization.
Preparation of Research design and Research instrument for data collection	2 <sup>nd</sup> week of Project	Discussion with the guide for finalization of research design and instrument in his/her domain and present the same to the guide. (First Presentation)
Data collection	3 <sup>rd</sup> week of Project	Date collected to be edited, coded, tabulated and presented to the guide for suggestions for analysis. (Second Presentation)
Analysis and finalization of report	4 <sup>th</sup> & 5 <sup>th</sup> week of project	Students must use appropriate and latest statistical tools and techniques for analyzing the data. (It is must to use of Statistical Package whose result should be shown in the report) (Third Presentation)
Submission of Report	6 <sup>th</sup> week of Project	Final Report should be submitted to the University before one week of the commencement of theory examination

#### **Evaluation:**

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- Internal evaluation will be done by the internal guide.
- External valuation shall be done by a faculty member of other institute drawn from VTU affiliated institute with minimum of 10 years experience.
- Viva-Voce / Presentation: A viva-voce examination shall be conducted at the respective Institution where a student is expected to give a presentation of his/ her work.
- The viva –voce examination will be conducted by the respective HOD / Senior Professor of the department and an expert drawn from the VTU affiliated institutes with minimum of 10 years of experience as appointed by the University.
  - Project work carries 100 marks consisting of 40 marks for internal marks by the internal guide, average of 30 marks from both internal and external evaluation and 30 marks for viva-voce examination. . Minimum passing marks of the Project work is 50% in each of the components such as Internal Marks, report evaluation and viva-voce examination.
  - Format of the project report shall be prepared using the word processor viz., MS Word, Times New Roman font sized 12, on a page layout of A4 size with 1 inch margin all sides (1.5 inch on left side) and 1.5 line spacing. The Project report shall not exceed 100 pages.

- Submission of Report: Students should submit the Project Report in electronic data form only, in PDF file (Un-editable Format) to the Institute. The Institute in turn shall submit all the CD's of their students along with a consolidated master list as per specialization containing USN, Name of the student, and Title of the Report to Registrar Evaluation) one week before the commencement of the Theory Examinations or as per notification given for this purpose.
- Plagiarism: Plagiarism is considered as academically fraudulent, and an offence against University academic discipline. The University considers plagiarism to be a major offence, and subject to the corrective procedures. It is compulsory for the student to get the plagiarism check done before submission of the project report. Plagiarism of up to 25% is allowed in the project work and report should consist 75% of original content/work.
- Publication of Research Findings: Students are expected to present their research findings in Seminars/ Conferences/ Technical/ Management Fests or publish their research work in Journals in association with their Internal Guide. Appropriate Weightage should be given to this in the internal evaluation as well as in the viva voce examination of the project report.

#### **Contents of the Project Report**

Coverpage

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- Certificate from the Organization (scanned copy if applicable)
- Certificate from the guide, HOD and Head of the Institution (scanned copy) indicating bonafide performance of Project by the student
- Declaration by the student (scanned copy)
- Acknowledgement
- Table of contents
- List of tables and graphs
- Executive summary

#### Chapter 1: Introduction

Introduction, Industry profile and company profile: Promoters, vision, Mission & Quality Policy. Products / services profile areas of operation, infrastructure facilities, competitors' information, SWOT Analysis, Future growth and prospects and Financial Statement

#### Chapter 2: Conceptual background and Literature review

Theoretical background of the study, Literature review with research gap (with minimum 20 literature reviews).

#### **Chapter 3: Research Design**

Statement of the problem, Need for the study, Objectives, Scope of the study, Research methodology, Hypotheses, Limitations, Chapter scheme.

#### **Chapter 4: Analysis and Interpretation**

Analysis and interpretation of the data- collected with relevant tables and graphs. Results obtained by the using statistical tools must be included.

#### **Chapter 5:** Findings, Conclusion and Suggestions

Summary of findings, Conclusion and Suggestions / Recommendations

#### Bibliography

Annexure relevant to the project such as figures, graphs, photographs etc.,

Particulars	Marks Allotted
A.Internal Assessment by the Guide- Based on three Presentations by Students	40
B.Report Evaluation by the Guide & External Examiner Average of the marks awarded by the two Examiners shall be the final evaluation marks for the Dissertation.	30
C.Viva-Voce Examination to be conducted by the Guide and an External examiner from the Industry/ Institute (Joint Evaluation)	30
Total	100

#### Rubrics for Project Evaluation and Viva voce Examination

SL	Aspects	Marks Allottee
1	First Presentation	5
2	Second Presentation	5
3	Third Presentation	5
4	Introduction and Methodology	5
5	Industry and Company Profile	5
6	Theoretical background of study	5
7	Data analysis and interpretation	5
8	Summary of findings, suggestions and conclusion	5
	Total	40
1	Introduction & Relevance of the project	5
1000		
sha 1 2		
1 2	Conceptual background and literature review	5
1 2 3	Conceptual background and literature review Research design	5
1 2 3 4	Conceptual background and literature review Research design Analysis and interpretation	5 5 10
1 2 3	Conceptual background and literature review Research design	5
1 2 3 4 5 C. V	Conceptual background and literature review Research design Analysis and interpretation Summary of findings, suggestions and conclusion	5 5 10 5 <b>30</b>
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1 2 3 4 5 C. V	Conceptual background and literature review Research design Analysis and interpretation Summary of findings, suggestions and conclusion Total Tiva-Voce Examination to be conducted by the Guide and an External examiner from the at Evaluation) Presentation skills Communication skills Subject knowledge	5 5 10 5 <b>30</b> Industry/ Institution 5 5 5

#### Formats for Project Report and Evaluation

- Format of Cover Page
- · Format of certificate by College/Institution or from both
- Format of Declaration Page
- Format of Contents
- Format of List of Tables and Charts
- Format of Bibliography
- Format for Internal Evaluation, External Evaluation and Viva voce





## BALLARI INSITUTE OF TECHNOLOGY AND MANGEMENT, BALLARI



DEPT. OF COMPUTER SCIENCE AND ENGINEERING

PROJECT WORK PHASE-2 (17CSP85) Batch List SEM : VIII



SI. No.	Batch No.	USN	Name Student	Guide Name	Title of the Project	
1		3BR17CS099	NIVEDHA S			
2	B1	3BR17CS088	MEETHA M	Dr. R N Kulkarni	A Noval approach to disinfact the suface using disinfactant Robot.	
3	ы	3BR17CS087	MEDHA R			
4		3BR17CS131	SAI PAVAN N			
5		3BR17CS091	MOHAMMED KHAISAR			
6	B2	3BR17CS135	SAIRAM KUDDIPUDI	Dr. R N Kulkarni	A Noval approach to distribute	
7	02	3BR17CS128	SACHIN BHATT		food items through UAV's.	
8		3BR17CS104	NIKHIL P			
9		3BR17CS147	V SHIVANARAYAN			
	В3			Dr. R N Kulkarni	Smart Cradle System	
	20					
10		3BR16CS123	R.VIRINCHI KAUSHIK			
11	B4	3BR17CS035	DHEEPAK	Dr. B M Vidyavati	Brainy Road Accident	
12		3BR17CS151	SIRISHA		Mitigation System	
13		3BR17CS178	MADHUMITA			
14		3BR17CS081	MANASA D			
	В5			Mr. Dadapeer	Andriod Fitness App	
	55			Mil. Dadapeer		
15		3BR17CS053	KEERTHI J			
16	B6	3BR17CS160	SUMA G	Dr. Rajashree V	Soil Classification and Crop	
17	50	3BR17CS061	KN AISHWARYA REDDY	Biradar	Prediction.	
18		3BR17CS145	SHASHIKALA KP			
19		3BR17CS076	M MOHAMMAD ABUZAR			
20	B7	3BR17CS077	M. SAI PREETHI	Dr. Rajashree V	Online Courseware	
21	57	3BR17CS106	PALLAVI. K	Biradar	onine oourseware	
22		3BR17CS086	M D NOMAN			
23		3BR17CS027	CHAITHRA. V. N			
24	B8	3BR17CS036	EVELYN ARPITHA JOSEPH	Dr. Aradhana D	Crypotogrphic Techniques for	
25	50	3BR17CS043	GOURI POOJA H M	BI: Aradinana B	Communication System	
26						
27		3BR17CS060	K HEMALATHA			
28	В9	3BR17CS021	BARRE ANUSHA	Dr. Aradhana D	Wearable Band for COVID	
29	55	3BR17CS002	AISHWARYA		Health Monitoring	
30		3BR17CS038	GALUJA PRAVEEN KUMAR			
31		3BR17CS089	MEGHA HIREMATH			
32	B10	3BR17CS082	MANASA J S	Dr. T R Muhibur	Design and Implemetation of Cloud Based Face and Speech	
33	510	3BR17CS115	PRIYANKA PATIL	Rehman	Recognization System.	
34		3BR17CS134	JAVALKAR SAIRAM			

SI. No.	Batch No.	USN	Name Student	Guide Name	Title of the Project	
35		3BR15CS095	N.NAGA SRAVAN DATTA			
36	B11	3BR16CS116	PRASAD.G	Dr. T R Muhibur	Accident Risk Prediction	
37	ып	3BR16CS077	M.BHARATH SHIVA SAITEJA	Rehman	System.	
38		3BR16CS401	JEERA VINAYAKA			
39		3BR17CS085	MATAM NIKITHA			
40	B12	3BR17CS090	MOHAMMED FAYAZ	Dr. Suresh Y	<b>Driver Drowsiness Detection</b>	
41	512	3BR17CS122	RASHI KHANDELWAL		System	
42		3BR17CS127	S VINAYA			
43		3BR17CS157	SRIRAKSHA.M			
44	B13	3BR17CS025	CHAITRA.C	Dr. Suresh Y	Stock Market Prediction using	
45		3BR17CS037	CHAITRA.G		Machine Learning Techiques	
46		3BR17CS054	JAYATEERTHA.S			
47		3BR17CS023	BHARGAVI N			
48	B14	3BR17CS096	NT DEEPTHI	P. Phaniram	Face Mask Recognization	
49	514	3BR17CS032	DEEPTHI REDDY K	Prasad	ruoe muon neooginzation	
50		3BR17CS132	SAI SHIVANI D R			
51		3BR17CS059	JYOTHSNA SAI K			
52	B15	3BR17CS010	ANUSHA K	P. Phaniram	ResQ-Pet	
53	BIU	3BR17CS001	ADIL FARHAAN M	Prasad		
54		3BR17CS011	ASHISH R RATHOD			
55		3BR17CS138	SATISH REDDY	Mr. C K Srinivas		
56	B16	3BR17CS130	SAI KALYAN Y		A Smart Crop Yield Predictor	
57		3BR17CS074			using Andriod Application	
58		3BR17CS092				
59		3BR17CS046				
60	B17		KOLLI SAIKEERTHI	Mr. C K Srinivas	Blockchain Bidding System	
61		3BR17CS012				
62			J ASHOK KUMAR REDDY			
63		3BR18CS406	MALLIKARJUNA C M			
64	B18	3BR17CS164	SUPRIYA S	Mr. A	Smart Dust Bin Management	
65		3BR17CS188		Venkateshwar	System	
66		3BR17CS166				
67			PAVAN KUMAR.P	-		
68	B19		KALYAN KUMAR.P	Mr. A Venkateshwar	Hand Gesture Recognition	
69		3BR17CS044		venkalesnwar	System for Virtual mouse HCI.	
70			MAHESHWARI PRAKASH B			
71			17CS167 SWETHA M			
72	B20	3BR17CS165		Mrs. Anita Patil	Virtual Environment for Labs	
73			TEJASHWINI G	4	and Projects	
74		3BR17CS900				
75		3BR17CS109		4	Classification of Retinal Image	
76	B21	3BR17CS110		Mrs. Anita Patil	for Early Detection of Diabetic	
77			M.HEMALATHA	4	Rentinopathy Using Deep Learning	
78		3BR17CS003	AJAY KUMAR		Leanning	

SI. No.	Batch No.	USN	Name Student	Guide Name	Title of the Project	
79		3BR17CS163	SUMANTH H			
80	B22	3BR17CS168	T.L.MOHAMMED MOHSIN	Mrs. Pratibha	Save-Life Helpline System	
81	DZZ	3BR17CS169	TANSEER S M	Mishra		
82		3BR17CS174	THARUN K			
83		3BR17CS146	SHEETHAL.V.S			
84	B23	3BR18CS413	TASNEEM FATHIMA M	Mrs. Pratibha	Self-Diagnosis With Advanced	
85	020	3BR17CS148	SINDHU	Mishra	Hospital Management System	
86		3BR17CS149	SINDHU.M.P			
87		3BR17CS006 ANE CHANDANA				
88	B24	3BR17CS009	ANUSHA G M	Mr. Sudhakar	Leaf Disease Detection Using	
89	024	3BR17CS015	B.DHARANI	Avareddy	Machine Learning Technique	
90		3BR17CS158	SRUSHTI RAMESH G			
91		3BR17CS016	B RAMA DEVI			
92	B25	3BR17CS102	P KIRAN MAI	Mr. Sudhakar	Pesticides Information System.	
93		3BR17CS121	RANJITHA	Avareddy	resticides information bystem.	
94		3BR17CS126	S THARANI			
95		3BR17CS067	K.JYOTHI			
96	B26	3BR17CS063	K R VIJAY KUMAR	Mr. Jagadeesh R	Breast Cancer Detection using	
97	020	3BR17CS004	AKASH S TELKAR	М	Machine Learning	
98		3BR17CS058	JYOTHI LAXMI			
99		3BR17CS026	C NEHA THABASUM	Mr. Jagadeesh R		
100	B27	3BR17CS029	CHINMAYI D		Voice Based E-mail for Blind	
101		3BR17CS101	P ANUSHA	М	People	
102		3BR17CS124	RUKSAR BEGAM			
103		3BR17CS055	JHANSI M			
104	B28	3BR16CS002	A. RAMALAKSHMI	– Mr. Usman K	Object Detection and Tracking	
105	D20	3BR16CS006	ANITHA. A		Using Open CV.	
106		3BR17CS142	SHAIK MASHUD BASHA			
107	B29	3BR18CS400	AKHIL	Mr. Usman K	Detection of Traffic Violations and Vehicle Tracking System	
108		3BR18CS403	BADAL SINGH		by using Andriod.	
109		3BR18CS414	UMAR FAROOQ		, ,	
110		3BR16CS066	KUPPALA SRIKANTH			
111	B30	3BR16CS037	G SHASHANK REDDY	Mr. Virupaksha	Age Detection with OpenCV	
112	500	3BR16CS043	GOOLLA RENUKA	Gouda R	and Deep Learning.	
113		3BR17CS410	MEDHA R G			
114		3BR18CS409	NAZNEEN			
115	B31	3BR18CS410	PRIYANKA B	Mr. Virupaksha	Walmart Sales Prediction	
116		3BR18CS401	AMARUNNISA SM	Gouda R	Waiman Sales Fleuiclivii	
117		3BR18CS408	NAVEEN KUMAR B			
118		3BR18CS404	CHANDAN N			
119	B32	3BR18CS402	ANUSHA J	Mr. Hayath T M	Rainfall Prediction Using RNN,	
120		3BR18CS411	SHERIN SHAIK	wii. Пауаtii i Wi	SVM.	
121		3BR18CS412	SHIRISHA J			

SI. No.	Batch No.	USN	Name Student	Guide Name	Title of t	he Project
122		3BR17CS155	SRIKANTH DK			
123	B33	3BR17CS153	SNEHAJA CHUNDURI	Mr. Hayath T M	An Effective Phising Website Detection.	
124	000	3BR17CS170	TEJASHWINI PATIL	Witt Hayatti T Wi		
125		3BR17CS150	SINDHUJA SHABADI			
126		3BR16CS132	S SAMHITA			
127	<b>B</b> 34	3BR15CS182	WAHIDA TARANNUM	Mr. Sridhar S K	COVID Detecti	on Using X-Ray
128	В34	3BR16CS024	RAMYA C		Images	
129		3BR16CS108	P LIKITHA			
130		3BR17CS137	SAMREEN TAYABBA G			
131	B35	3BR17CS140	SHAHEEN M N	Mr. Sridhar S K	-	a Management
132	B35	3BR17CS161	SUMA LAVANYA		with Du	plication.
133		3BR17CS159	SULTANA BEGUM			
134		3BR17CS176	USHA SHARMA. K. M			
135	B36	3BR17CS175	U. TEJASHWARI	Mr. Dadapeer		lled Electronic using Bluetooth
136	500	3BR17CS093	MUKTHI. G	Mil. Budupeer		ased on IoT
137		3BR16CS124	RAJATHASREE G		Frustration Detection on Review Using Machine Learning.	
138	B37	3BR17CS136	SAMEENA YASMEEN	Mr. Shaffiulla		
139		3BR16CS163	TOUFIYA FATHIMA			
140		3BR17CS069	KEERTHANA S			
141		3BR17CS112	PRASANNA PRABHU N	Mr. Giresh Kumar .D	COVID-19 Indoor Safty Monitoring with Human Identification.	
142	B38	3BR17CS111	PRAFUL KUMAR			
143	200	3BR17CS072	KOTRESH VALI			
144		3BR17CS084	MANIKANTA REDDY M			
145		3BR17CS042	GANESH T			
146	B39	3BR17CS056	J ARAVIND	Mrs. Swethashree	Speech Emotion Recognit	on Recognition
147	200	3BR17CS078	M VENKATRATNA	Α		on recognition
148		3BR17CS117	R GAYATHRI			
149		3BR17CS031	DABBARA PRAVEEN		Intelligent	
150	B40	3BR17CS034	DIVYA BHARATHI. B	Mrs. Swati D V	video Survelillance	
151	540	3BR17CS040	GAEKWAD NIKITHA		with deep	
152		3BR17CS041	GANESH P		Learning	
153		3BR17CS039	G SAHANA			
154	B41	3BR17CS018	B SAI SHILPA	Mrs. Tejaswini S		en Character
155		3BR17CS020	BANDI MONEESHA	G	Recognizati	on using NN.
156		3BR17CS028	CHANNABASAVA H			
157	3BR17CS129 SAHANA SAI B		] ]			
158	B42	3BR17CS120	R. SRAVANI	Mr. Kiran		ce using Al and
159		3BR17CS116	PRIYANKA T	Muddareddy A	Deep L	earning
160		3BR17CS113	PREETHI T			
161		3BR17CS014	AYESHA.P	] 7		
162	B43	3BR17CS013	AVULA ROOPA	Mr. Hari Krishna		etection Using
163		3BR17CS019	BALACHANDRA SHEKAR	н	Machine	Learning.
164		3BR17CS017	B S MANJUNATH			

SI. No.	Batch No.	USN	Name Student	Guide Name	Title of the Project	
165		3BR17CS123	REXINA D			
166	B44	3BR17CS095	N ANJANA	— Mr. Azar Baig M	Email Spam Detection	
167	544	3BR17CS098	NEELAGAL GNANESWARI			
168		3BR17CS100	P AISHWARYA			
169		3BR17CS005	AKHILA K			
170	B45	3BR17CS047	HARSHITHA REDDY RV	Mr. Giresh Kumar	<b>Test Recognization from Slient</b>	
171	540	3BR17CS068	KAVYA	.D	Speech.	
172		3BR17CS097	NANDITHA.A			
173		3BR17CS103	MANJUNATHA P			
174	B46	3BR17CS080	MOHAMMED JUNEED	Mr. Srisaila Nath	Congestion control for Medical emegency V2V Communication	
175	D40	3BR17CS114	PREM KUMAR J		using IoT.	
176		3BR17CS105	PALEM RITHISHBRAHMA		,	
177		3BR17CS162	SUMANTH CB			
178	B47	3BR17CS186	YAMINI VG	Ms. Aishwarya R.	Helping Hand	
179		3BR17CS152	SK GOUSIYA	Nayaka		
180		3BR17CS143	SHAIK SAMRIN BANU			
181		3BR17CS184	VIDHYA		Stress Recognition using Face	
182	B48	3BR17CS173	THANMAI V	– Mrs. Chandini		
183	D40	3BR17CS144	M SHALINI		images and Face Landmarks	
184		3BR17CS185	VISHNU C GUDIMANI			
185		3BR17CS172	THALURIJHANSI			
186	B49	3BR17CS057	JYOTHI	Mr. Sreenivasa M	Placement Prediction System	
187	D43	3BR17CS083	MANASA JAWALI	WII. Sreenivasa W	Flacement Frediction System	
188		3BR17CS024	BHAVANA.M			
189		3BR17CS181	VAISHNAVI J			
190	B50	3BR17CS182	VARSHA B	Mrs. Shenaz	Credit Card Fraud Detection	
191	D30	3BR17CS177	USHA V BALLOLLI	Begum	Credit Card Fraud Detection	
192		3BR17CS156	SRINIVAS VB			
193		3BR16CS149	SRUSHTI. H. N			
194	B51	3BR17CS400	CHETAN KANNUR	– Mr. Shaffiulla	Private Scocial Network	
	DOI	3BR16CS404	SRINIVAS M		Private Scocial Network	
195		3BR14IS011	HEENA THAISEEN		Assisted Communication for	
	B52			P. Phaniram Prasad	BLIND, DEAF and DUMB people.	

### Project Co-Ordinator's

1. Prof. Phanoram Prasad

2. Prof. C K Srinivas

3. Prof. Sreenivasa M

Singature of HOD Dr. R N Kulkarni





Final Year Project Batch List and Guide Allotment for the ACY 2020-21

Batch No	Name of the student	USN	Name of the Guide	Title of the Project	
	Ediga Prasanth Gowd	3BR17EC034			
	Devalla Ajith	3BR17EC029		Smart child rescue system from borewell	
1	H.Gurulingareddy	3BR17EC047	Dr U Eranna	using robot	
	Havaligi Saran Kumar Reddy	3BR17EC051			
	Deepti k gutti	3BR17EC027			
	Dharani k	3BR17EC030		DAM SURVEILLANCE WITH PREDICTIVE	
2	G Bhavani	3BR17EC037	Mr.Raymond	CAUTION AND DATA STANDARDS FOR	
	G Sunil	3BR17EC041		PRECISION IRRIGATION SYSTEM	
	U. JAGADESHWARI	3BR17EC168			
	KIRAN KUMAR H GOUDAR	3BR17EC076		DESIGN AND FABRICATION PROCESS FOR	
3	JYOTHI REDDY	3BR17EC015	Mrs.Renuka Sagar	PLASTIC MANAGEMENT BY RECYLING	
-	B. ATEYA	3BR17EC013		HOUSEHOLD WASTE	
	LAKSHMI LAHARI S	3BR17EC079			
	Likitha. V	3BR17EC080		Vehicle Theft Notification And Remote Engine	
4	Sai keerthi.M	3BR17EC140	Mr. Shivakuamr K S	Locking	
	Tanisha. P	3BR17EC162	Mr. Snivakuamr K S		
	Mangalagouri	3BR17EC090			
	S M Jayashree	3BR17EC030			
5	Kota VijayKumarReddy	3BR17EC133 3BR17EC077	Mr.Premachand D R	Cryptography Model for end to end encription	
	Palagiri Sravani Reddy	3BR17EC077 3BR17EC118			
	Sindhu S				
	Uma Singh	3BR17EC154		Device Automotion and Voice Transmission	
6	Sumanth M B	3BR17EC169	Mr.Sagar T V	Device Automation and Voice Transmission Using Light Fidelity (Li-Fi) Technology	
-	Zaheeer Abbas	3BR17EC156		Comp Light Fidency (Li Fi) Technology	
	Basavarajeshwari B M	3BR17EC183			
		3BR17EC190		Smart Haalth Care System for Monitorin	
7	Amulya B L Harshita H M	3BR17EC004	Ashwatha Narayana	Smart Health Care System for Monitoring Patients	
	Divya M	3BR17EC049		i adonto	
	M Shreya	3BR17EC032			
	Manjula	3BR17EC085		Lung Concer DiscreticWith classification Dr.	
8	Rohini k	3BR17EC096	Miss. Sowbhagya	Lung Cancer DiagnosisWith classification By DIP Classifier SVM	
	Ramya Kulkarni	3BR17EC130			
	÷	3BR17EC126			
	Dadapeer p Vaishnavi gupta.P	3BR17EC191			
9	Shaik Mubeen Taj	3BR17EC173	Dr V C Patil	COVID-ROBOT (COBOT) Analyser	
	Shoaib ruhan	3BR17EC185			
	Keerthana.T	3BR17EC151			
10	Kavitha.G	3BR17EC074	Mr.Prabhakar	LPG Gas monitoring & automatic booking	
10	Kapu Sumanth Kumar Reddy	3BR17EC073	WILL LADITAKA	with alert system	
	Aparna.J	3BR17EC071			
	AP Manasa	3BR17EC009 3BR17EC001		Study & Analysis of antenna miniaturaization	
11	K Vasudha	3BR17EC001 3BR17EC067	Manjunath G	Technique using Meta materials	
	B Madhu Shekar	3BR17EC007			
	Divya Gani	3BR17EC010			
	Gayathri G	3BR17EC031 3BR17EC045			
12	Shravani b	3BR17EC045 3BR17EC152	Mr. Raymond I	Critical condition intimation device	
	Teja K B	3BR17EC152 3BR17EC164			
	Gadela Suneha	3BR17EC164 3BR17EC042			
	Anushri	3BR17EC042 3BR17EC008		Convolution neutral networks for brain	
13	Sushma S	3BR17EC008 3BR17EC160	Dr.Sadyojatha	tumour segmentation	
	Sushma M				
		3BR17EC159			
1 /	Ashwini R Sangam	3BR17EC012	Maria di C	Quantitative analysis of antenna geometry	
14	Impana D M	3BR17EC055	Manjunath G	and substrate modifications for compact wideband antenna design	
	D G Sindhu	3BR17EC025			
	TIRUMALESH N K	3BR17EC166			
15	Tuggali Aruna	3BR17EC167	Mr.Ashwatha Narayana	An intelligent, secure and smart home	
	Shirisha B S	3BR17EC148		automation	
S	SUNAGARA RAKESHA	3BR17EC157			





Final Year Project Batch List and Guide Allotment for the ACY 2020-21

	•		Guide Allotment for the		
Batch No	Name of the student	USN 2DD17EC102	Name of the Guide	Title of the Project	
	Mohammed Muqthiar Ahamed Muhammad Riza K	3BR17EC103			
16	ANUSHA.N	3BR17EC108 3BR17EC006	Mr.Mallikarjuna	Alcohol Sensing & Ignition Control System	
	Mohammed Baaqir Basith R	3BR17EC006 3BR17EC102			
	Gadikan Jyothi	3BR17EC043			
	Hastavaram Yasaswini	3BR17EC050		Footstep Power Generation Using Piezoelectric	
17	Gurrapu Niharika	3BR17EC046	Dr U Eranna	Sensor	
	Jayasurya K	3BR17EC057			
	RAJESHWARI PRIYADARSHINI	3BR17EC037			
	SANA SUMAIYA			Onland Malile Only Others Manifesting	
18	DEEPTHI NS	3BR17EC141	Dr.Naseeruddin	Solar powered Mobile Cold Storage Monitoring System	
1	Mohammed Owais K	3BR17EC028		of stoll	
	REVAN KUMAR INDI	3BR17EC104			
	MEGHA SK	3BR17EC128			
19	MEDA LIKHITHA	3BR17EC099	Mrs.Nilam	SMART Bridge	
	MANISH D	3BR17EC098			
		3BR17EC091			
	Ravi Teja Kuruba	3BR17EC127			
20	Mohammad Thoseef D	3BR17EC101	Mr.Hemanth Kumar K	Regional paddy leaves classification using image processing	
	Md Khaja Owesh K	3BR17EC097		inage processing	
	Mantha Rathan Sai	3BR17EC095			
0.1	RAHIMUNNISA NAHEEN K	3BR17EC066	N	Definition of the state of the	
21	S ANEESA BEGUM	3BR17EC131	Mrs.Nilam	Pothole detecting system	
	Fouzia Nikhath	3BR17EC132			
	Pavan A	3BR18EC415			
22	Sushma singh B	3BR18EC419	Dr. Naseeruddin	Savvy Vehicle Parking Management	
	Shilpa	3BR17EC147			
	Vandana DC	3BR17EC175			
	Jonnalaggada sowmya	3BR17EC058			
23	Heraimatam shruthi	3BR17EC053	Mr. William Thomas	Wireless controlled multipurpose agricultural	
20	Chalapala vandana	3BR17EC024	wir. winam monias	robot	
	Anusha.m	3BR17EC005			
	Neha Raghavendra	3BR17EC113			
24	W Sanjana	3BR17EC179	Mrs.Renuka Sagar	Hands-free automated body temperature	
24	Shivashankargouda L patil	3BR17EC149	Mrs.Renuka Sagar	monitoring system using IOT	
	V Shyam Babu	3BR17EC170			
	Manish Kumar Singh	3BR17EC092			
05	Sandeep Singh	3BR17EC142	N D D D 1 1	Implementation of LSB substitution method	
25	Kowshik M	3BR17EC078	Mr.D R Premachand	for Image Steganography	
	Manoj K N	3BR17EC094			
	DAMMURU VIJAYA RAGHAVENDRA	3BR17EC026			
	P. AKSHAY RAGHOTHAM	3BR17EC117			
26	JUNAID SALMAN	3BR17EC060	Mr.Sagar T V	IoT based home automation	
	DUDEKULU FARHANA BEGUM	3BR17EC033			
	Samyuktha.S	3BR17EC135			
	S.Thejashvini	3BR17EC138			
27	Vennela.V	3BR17EC177	Mrs. Swetha N	Voice controlled robotic car using Aurdino	
	M.Sinduja	3BR17EC087			
	Belaganti Sai Swetha	3BR17EC017			
	Shaik Ananashath	3BR17EC144			
28	Kappadi Rachana	3BR17EC144 3BR17EC070	Dr Abdul Latheef	Ingenious Buy	
	V. Meghana Padmashali	3BR17EC070 3BR17EC100			
	J Dilshad Banu	3BR17EC100 3BR17EC056		1	
	K. Akhila	3BR17EC056			
29	J Archana	3BR17EC061 3BR17EC011	Dr Abdul Latheef	IoT based automatic field Shielding	
	Amara Naaz				
		3BR17EC003			
	Mude Prathap Naik	3BR17EC107		Comment Illing Widdhard Art	
30	M.Sai Priya	3BR17EC084	Mr.Fareduddin	Compact Ultra-Wideband Antenna for Several Wireless Communication Applications	
	Nandini.P	3BR17EC109		whereas communication Applications	
	S Sohel	3BR17EC137			
	Girija K	3BR18EC408			
31	Shailaja C	3BR18EC417	Mr.Prabhakar	Iot based encryption and decryption of image	
	Bindu Madhavi S	3BR18EC403		transmission using LI-FI	
	Madhura A	3BR18EC411			
	Manjunatha N	3BR18EC413			
32	Lingesh Kumar K	3BR18EC410	Mr.Srikanth K M	Smart Helmet System Using Arduino	
	K S Ganesh	3BR18EC406		Smart nemiet system Using Ardumo	
	Mailara K	3BR18EC412			





Final Year Project Batch List and Guide Allotment for the ACY 2020-21

Batch No	Name of the student	USN	Name of the Guide	Title of the Project	
	C Mukunda	3BR17EC022			
	C Jayanth	3BR17EC020		DTMF controlled robot without	
33	Ganesh D M	3BR17EC044	Dr Sadyojatha	microcontroller	
	Ajith P	3BR17EC002			
	MANASA. K	3BR17EC089			
	PRIYANKA. B	3BR17EC122	-	Intelligence irregation Water controlling	
34	PUNAGANDLA KARTHEEK	3BR17EC123	Mr.Vishnu kanth. K	System with IoT Technology & Soil moisture	
	NETYAM BHARATH KUMAR	3BR17EC114		Sensor	
	Bhargav.M	3BR17EC018			
	Hima vamshi	3BR17EC054	Mr.Vinaykumar J	Prediction & Analysis of Diabetes and Blood	
35	Challa sai prakash	3BR17EC023		Pressure in Patients Using IOT Devices	
	NAVEEN G R	3BR18EC414			
	Goudara Pavan Kumar	3BR18EC409		IOT BASED COVID PATIENT HEALTH	
36	SUDHAKAR S N	3BR18EC418	Mr.Ulagnathan J	MONITORING IN QUARANTINE	
	DAVINTI BHARATH REDDY	3BR18EC404	-		
	Poornima Heroor	3BR17EC120			
	Nishantha A R	3BR17EC116		Implementation of LBIST architecture with	
37	M Shruthi	3BR17EC086	Mrs.Nayana	compactor for 4X4 multiplexer	
	S Hepzibha	3BR17EC080		r r r r r r	
	Boya Mounika	3BR17EC019			
	Cm Prashanti	3BR17EC019		Design and implementation of automated	
38	K.N.Bhavya	3BR17EC021 3BR17EC064	Mr.William Thomas	blood bank using embedded system design	
	H M Meghana	3BR17EC048		based on IOT/GSM	
	AISHWARYA SINGH. D				
	GAYATHRI. V	3BR18EC400	-	Smart Safata Manitaning Sustan for Sama	
39	DEENAVANI. U	3BR18EC407	Mrs. Prathiba S	Smart Safety Monitoring System for Seve workers with two way Communication	
	RAJESHWARI. V	3BR18EC405	4		
		3BR18EC416			
	Divya B Vani	3BR17EC187			
40	Pooja H	3BR17EC176	Mr.Ambrayya	Smart Shopping trally using RFID over	
	5	3BR17EC189	-		
	v shreya patil Kalyan T	3BR17EC171			
41	Karthik K	3BR17EC069	Mr. Boniit Broti	IoT Based Early Flood Detection and	
41	TIRUMALA REDDY B H	3BR17EC072	Mr. Ranjit Pyati	Avoidance System	
	Vimala P	3BR17EC165			
		3BR17EC178	4		
42	Smita Jagadal Balamma	3BR17EC155	Mrs.Shilpa K R	Distribution Transformer over heating detection with solar power cooling Systems	
		3BR18EC402		detection with solar power cooling Systems	
	Swathi B SAMREEN TAJ	3BR17EC161			
		3BR17EC421	4		
43	ARIFA BANU Mohammed Gouse B	3BR17EC404	Mr.Srikanth	Controlled Loop Based Motor Speed Management Using IOT	
	Priyanka Y B	3BR17EC411	4	management Using IOT	
		3BR16EC102			
	PAVITHRA U	3BR17EC119	4		
44	M Indu Rhoiarain mala	3BR17EC081	Mrs.Simontiny Roy	IOT based monitoring system using Aurdin uno board	
	Bhojaraju moka	3BR17EC106	4		
	S.Shilpa Sree	3BR17EC136			
4 -	MOHAMMED SHOAIB SHAIKH	3BR17EC105	M. M. 1111		
45	G B SUNDEEP KUMAR	3BR17EC036	Mr.Mallikarjuna	Drowsiness Detection System	
	Kiran B S	3BR17EC188			
	Yerragunta pavan kumar	3BR17EC181	4		
46	Yogesh C	3BR17EC182	Dr V C Patil	Hand gesture recognization Using Matlab	
	Sai Shabreesh	3BR17EC174	4		
	Sharana basappa	3BR17EC146			
	Deepak Sharma K M	3BR16EC029			
47	M Narasimha	3BR16EC069	Mr.Vishnu Kanth Karwa	Priority Management System of Path	
	Sunil Choudary R	3BR16EC137	isania manun marwa	Clearence for emergency vehicle using IoT	
-	Sai Bharath M V	3BR16EC119			



NBR

Final Year Project Batch List and Guide Allotment for the ACY 2020-21

Batch No	Name of the student	USN	Name of the Guide	Title of the Project
	Nirmala. M	3BR15EC058		
48	Pallavi	3BR17EC413	Mr.Hemanth Kumar K	Classification of leaf disease using Image
40	Pavitra. K	3BR15EC079	MI.IICIIIAIIUI KUIIIAI K	Processing
	K.Tarun govind	3BR17EC409		
	K.sowmya	3BR16EC051		
49	Akash T M	3BR16EC005	Mrs.Swetha N	Early detection of kidney disease using
79	Masineni Sri Harsha	3BR16EC072	MIS.Swetha N	machine learning based modeling
	N Praveen	3BR14EC087		
	Rajashekar Desai	3BR17EC419		
50	Prabhakara P	3BR17EC416	Mr.Shivakuamr K S	IoT in the development of Smart Cities and
50	Bharat kumar C L	3BR17EC408	Mit.onivar.ualiii K O	auto complaint generation
	Sharanappa	3BR17EC424		

Signature of Project Coordinators

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#### BALLARI INSTITUTE OF TECHNOLOGY & MANAGEMENT, BALLARI

#### DEPT. OF ELECTRICAL & ELECTRONICS ENGINEERING

#### LIST OF PROJECTS FOR A.Y:2020-2021

## Project Co-Ordinator: Prof. Y. Kamal Kishore

Batch	USN	Name Of The	Guide Name	TITLE OF PROJECT	
No		Student			
	M Hemalatha	3BR17EE047			
1	K shilpa	3BR17EE041	Dr. B. S. Khened	GSM based industry protection system.	
1	Monika D	3BR17EE057			
	jayalakshmi	3BR17EE034			
	Shakeel Ahmed	3BR17EE054			
2	Mohammed Haaris	3BR17EE052	Dr. Raghavendra P	Micro inverter for solar roof top system	
2	Nikhil	3BR17EE065	DI. Ragilavellula I	where inverter for solar foor top system	
	uzaif	3BR17EE055			
	Ranjitha c v	3BR17EE077		Railway track security by GSM modem	
3	Rashmi H N	3BR17EE078	Dr. Raghavendra P		
5	Roopagorpade	3BR17EE083	Dr. Ragilavenura P		
	Simran	3BR17EE094			
	Suheenanaz	3BR17EE099		Solar PV powered irrigation system using DC Pump	
4	Suleman	3BR17EE0101	Du Chause Dadda		
4	Vigneshwadiyar	3BR17EE0117	Dr. Sharana Reddy		
	Umar farooq	3BR17EE109			
	Renuka S M	3BR17EE080		Modeling and performance analysis of solar PV	
5	Revathi D	3BR17EE081	Dr. Charren Daddar	module	
5	Rekha	3BR17EE079	Dr. Sharana Reddy		
	Srilaxmi	3BR17EE095			
	M chaitaynashivakumar	3BR14EE050			
6	Rahul jadhav L	3BR16EE065		SCADA based power control system using	
6	Vadiyarsiddeshwara	3BR16EE096	Dr. Abdul Khadar.A	microcontroller	
	Veeresha G	3BR16EE098	-		
	Shaguftha begum	3BR17EE088			
7	Sheikh Afreen	3BR17EE089		Power generation from waste heat using thermoelectric generator.	
7	Sharath M S	3BR17EE090	Dr. Abdul Khadar.A		
	Manojkumar N S	3BR17EE050			
	Zeenathafrooz	3BR17EE123		IOT based smart waste management for smart city	
0	UmmesalmaShaikh	3BR17EE110		using ARDUINO with ESP 8266	
8	Abdulla	3BR18EE400	Prof. Arathi P B		
	K R kavya	3BR17EE040			
	Prakurthi P Z G	3BR17EE068			
9	Prajakthamallappapujari	3BR17EE067	Drof Anothi D.D.	Relay Co-ordination model for power system	
9	Mohammed Mohseen	3BR17EE053	Prof. Arathi P B	protection	
	Thippamma A	3BR17EE108		IOT based transmission line monitoring system using	
10	Roohinaaz V	3BR17EE082	Prof. Y Kamal	RASPBERRY PI	
10	V Prashanti	3BR16EE095	Kishore		
	M Nagamonica	3BR16EE037			
	Prashanti.M	3BR15EE038		Smart irrigation system using IOT	
1.1	Amruthapujar	3BR16EE006	Prof. Y Kamal		
11	R Rupashree	3BR18EE416	Kishore		
	SunithaMatam	3BR18EE419	7		
	Deepikasolanki	3BR17EE023	Prof. Shridhar S M	3 D printing using ARDUINO	
	Deepthi	3BR17EE024	7		
	G Divya	3BR17EE026			
12	G K saiHarshithaJyothi	3BR17EE027	7		

	Akshita B	3BR17EE006			
12	Amrutha.K	3BR17EE037	Drof Chridhe C M	Password based distribution panel and circuit breaker	
13	Archana.H	3BR17EE008	Prof. Shridhar S M	operation for the safety of line man during maintenance work.	
	Sahana P M	3BR1/EE008 3BR16EE075		maintenance work.	
	Jyothi .P	3BR17EE036		Detection of power grid synchronization failure	
14	Lavanya K	3BR17EE046	Prof. Md Anwar	sensing frequency and voltage beyond acceptable	
	Chippagirigunasandhya	3BR17EE019		range.	
	Naveen kumarrathod.R	3BR17EE061		Fire fighting robot	
15	Naveen kumar U	3BR17EE062	Prof. Sujatha D		
15	Rahul.U.bulla	3BR17EE073	1 101. Sujuna D		
	Prithviraj.T	3BR17EE071			
	Ganesh K	3BR17EE029		IOT based underground cable fault detection	
16	Mahesh	3BR17EE049	Prof. Sujatha D		
10	Amir ali	3BR17EE002	FIOI. Sujaula D		
	A Ayesha siddiqua	3BR17EE001		Women safety device with GPS tracking and alert	
	Amruthareddy	3BR17EE007	Prof.	women surety device with or b tracking and areit	
17	Ashwinikuppasagoudar	3BR17EE009	FarzanaBegum.K		
	Chandana	3BR17EE017	I willing og uniti		
	Madhusudhan .M	3BR16EE417		Desalination of Sea water using hybrid power source	
	Gurunath M	3BR17EE414		Desamation of Sea water using hybrid power source	
18	Madhu E	3BR17EE423	Prof. Parvathi		
	Naveen kumar N V	3BR17EE423 3BR17EE438	-		
		3BR17EE438 3BR17EE085		Automatic phase change over for three phase	
	S sujatha		_	electricity system using AT89C52 micro controller	
19	Yasmeen	3BR17EE122	Prof. Parvathi		
19	Dasaramahesha	3BR18EE401			
	Naveen k r s	3BR17EE437			
	Manasa .T	3BR17EE105			
20	Shravani. N	3BR17EE092			
20	Nandish V M	3BR17EE111	Prof. Vijayakrishna M	IOT based vehicle theft detection	
	Rajashekar N	3BR17EE075			
	Gadilingappak	3BR18EE402		Smart water management using ardunio	
	Lokeshnaik V	3BR18EE407			
21	V mounika	3BR18EE422	Prof. Vijayakrishna M		
	Kavitha	3BR18EE406			
	Subhash Chandra patel M	3BR17EE0097			
	T Supriya	3BR17EE107		Automated speed control of fan using Ardunio by	
22	Sujith .L	3BR17EE100	Prof. Harish Kumar G	temperature sensor	
	Sushma	3BR17EE103			
	Narasimhaprasad	3BR17EE106		Solar based E uniform for soldiers who work at	
	Manjunaik R	3BR18EE408		extreme high and low temperature.	
23	Ganesh naik L R	3BR18EE403	Prof. Harish Kumar G		
	Purshuttam	3BR18EE415	7		
	Neelaganga.B.B.	3BR17EE063			
	K Anuradha	3BR17EE038			
24	Deepak dolekar	3BR17EE022	Prof. Santhosha B M	IOT prison break monitoring and alerting system.	
	shyamala	3BR17EE048	-1		
	Channabasava T	3BR17EE018		Solar based charging stations for electric	
25	B Bhavani	3BR17EE011	Prof. Santhosha B M	vehicles	
		JONI/CEVII	1	VCHICIES	

	Ajay kumar D	3BR17EE005			
	Aishwarya N	3BR17EE004			
	Anithalakshmi G	3BR17EE025		Smart solar areas outton with lown opygrage	
		3BR17EE023 3BR17EE010		Smart solar grass cutter with lawn coverage	
26	Ayesha siddiqua R chetan	3BR17EE010 3BR17EE072	Prof. PushpalathaKumari		
	Deekshith.Y	3BR17EE072 3BR17EE021	i usupatautaKuttati		
	Tarun Singh J Rangawale	3BR16EE091		IOT patient health monitoring project	
	SumanthVarma K	3BR18EE418	Duef Wilcowleaver M	101 patient health monitoring project	
27	PradeepVarma K	3BR18EE418	Prof. Vijayakumar M K		
	KolukuluriSandeep	3BR16EE033			
	Sandhya b	3BR10EE033 3BR17EE087			
Sanc 28 Jaffe	Jaffersadiqali	3BR17EE087 3BR18EE405	-	Arduino based power generation using solar	
	N Mahesh kumar	3BR18EE403	Prof. Shanthala H		
	Nikhil. C	3BR18EE412	-	energy and back EMF	
	Sudarshan Reddy .B	3BR18EE412 3BR17EE098			
		JDK1/EE098			
	Rajesh M	3BR17EE076		IOT based electrical power theft detection	
27	KoriBasavaraj	3BR17EE045	Prof. Shanthala H	and location tracking	
			-		
	Nithinkumar	3BR16EE052	+		
	Pavankalyan M	3BR16EE055		Contactless temperature detector and entrance door	
30	Surendrababu M	3BR16EE085	Prof. Chandan K R	opener for COVID-19 Safety	
	Pavankumar B Jorapur	3BR17EE440	-	· · · · · · · · · · · · · · · · · · ·	
	MdArif B	3BR15EE045		Real time transformer health monitoring system using IOT technology	
31 <sup>I</sup>	P G Preethamgupta	3BR15EE058	Prof. Chandan K R		
	Lakshmi N	3BR16EE034			
	Swati K K	3BR16EE089			
	B vinay Krishna	3BR17EE013			
20	B saisantoshRao	3BR17EE015			
32	G Manohar	3BR17EE028	Prof. sarala	Agricultural pesticide spraying robot.	
	Nagarathna	3BR17EE060			
	Moinuddin	3BR18EE409		Sun tracking solar panal to track the maximum rays	
22	Samreennawaz	3BR17EE086		using LDR's	
33	Nishatanjum S	3BR18EE413	Prof.Nandini		
	Misbafathima	3BR15EE049			
	Vidyashree D H	3BR17EE116		Protection of load and charge in solar power	
34	Vanajakshi	3BR18EE423	Prof.Nandini	management	
54	Yashaswini.U	3BR17EE121	F101.InalidIIII		
	SharanKumar.P	3BR15EE080			
	Mohammed Yaseen B	3BR16EE045	Prof.RajyaLakshmi	IOT based energy meter with current, voltage and cost	
	Sandhaya	3BR17EE033		monitoring system.	
25	Aruna	3BR17EE030			
35	Radha				
	Kalyankumar	3BR17EE042	Prof.RajyaLakshmi	Dual axis solar tracker using ardunio	
	Jeevargiraghavendakumar	3BR17EE035			
36	Netesh .T.	3BR17EE064	-		
36	Md. Muddassir	3BR17EE051			

	Vaishnavi M	3BR17EE113	Prof. Gangadhara	Solar power vehicle with auto obstacles avoidance
	Usha rani	3BR18EE421		using ultra sonic sensors
37	Mounika	3BR18EE410		
	Venkteshakumarnaik M	3BR17EE115		
	R			
	Syed khadarbasha Q	3BR17EE104	Prof. Gangadhara	Coin insertion based mobile phone charger
38	Vijay kumar	3BR17EE118		
30	Vishnu E M	3BR17EE119		
	Wilfrad joseph W	3BR17EE120		



B.No	U.S.N	STUDENTS NAME	PROJECT TITLE	GUIDE/ SIGN
B1	17CV017 17CV427 17CV034 17CV023	Bheemesha Raju T Harish Agrahara K S Dilip Kumar M	An experimental Investigation on High Performance Concrete by replacement of nano silica to cement	Mr. Tanu H M
B2	17CV057 17CV431 16CV081 17CV059	Manish Kumar Pandey Sridhar S Udaya Kumar ManjunathChakoti	An Experimental Investigation on durability properties of geopolymer concrete	Mr.Md Khalid S
В3	17CV069         16CV020         16CV045         17CV071	Sai Prabhu M Praveen Kumar G Netravathi G L Nagashree	Performance Analysis of Sequential Batch Reactor	Dr. T. H Patel
B4	17CV058 17CV013 18CV413 17CV049	Manjula B.M Kotresh Kavya J L Prajwal Kumar	Experimental Investigation on CC pavement slab using ceramic aggregate as partial replacement of conventional aggregate	Mr. S.V.Patil
В5	17CV036 17CV030 17CV053 18CV418	Ibrahim Khalil Ulla K Goutham Nayak B Mahammad Riyaz Ramesh K	Geotechnical Engineering Effects of dumping municipal solid waste on soil and ground water properties of Ballari city	Mr.Ravichandra A H
B6	18CV423           16CV068           17CV008           17CV012	Sanjayakumara SharanaBasav Anitha Lakshmi V A Divya B	Stabilization of BC soil using Bio enzymes H	



B.No	U.S.N	STUDENTS NAME	PROJECT TITLE	GUIDE/ SIGN	
	17CV022	Dattatreya P G			
	17CV009	AnnappaGouripur	Stabilization of BC soil		
B7	16CV009	Asha H	using coconut coir and GGBS	Mr. Vinaykumar H	
	18CV426	Shanthi MB			
	17CV029	Geethasree B S K	Study on the effect of		
DO	17CV075	Navya J	partial replacement of Nano	Mr. Tanu H M	
B8	18CV433	VinayakNavali	material to cement for High		
	17CV082	PolakaYerriswamy	Performance Concrete		
	17CV026	G R Sai Raviteja	Deinwater horizoting		
DO	17CV125	Swetha B	<ul> <li>Rainwater harvesting</li> <li>methods in rural areas</li> </ul>	Dr. H. Mahabaleswara	
B9	17CV104	Sneha	using computational		
	18CV406	G Manikanta	— methods		
	17CV032	Guruprasad P	A study on portial	Mr. Narayanappa	
D10	17CV081	Pankaj Joshi	A study on partial replacement of coarse		
B10	17CV078	Niveditha N	aggregates by jamma		
	18CV432	Uma R	bricks in concrete		
	17CV011	Aruna Kumar B	A study on monortics of		
D11	17CV074	NaveenaHanigi	A study on properties of concrete made with		
B11	17CV080	Panisurya G	processed granular blast	Mr. Basavaraj B	
	18CV411	JeelanBhasha P S	furnace slag		
	17CV070	MuraliKarthik B M	Experimental study		
D12	17CV095	S Vidya Shree	properties of fiber	Ma Mana	
B12	17CV052	Mahammad Abdul	<ul> <li>reinforced concrete using silica fume by partial</li> </ul>	Mr. Narayanappa	
	18CV405	Divya Bai K	replacement of cement		



B.No	U.S.N	STUDENTS NAME	Project Title	GUIDE	
	17CV031	Gunda Sai Nithisha	Experimental study on		
DIA	17CV073	Nandini Y	performance of SCC		
B13	17CV096	Sai Rahul B.S.	containing fly ash and stone dust by partial replacement	Mr. Sagar N S	
	18CV414	Mohammed Sameer B	of cement and sand		
	17CV040	Jyothsna P			
544	17CV043	Kalavathi S	Ground water potential	MR. Syed Sadat	
B14	17CV094	S Surya	zones of Ballari city	Ali	
	18CV408	Gururaj H K			
	17CV004	AkashPattana Shetty S R	Transportation Engineering A		
B15	17CV024	Monisha G	case study on traffic studies and analysis of	Miss.Brunda A	
<b>D</b> 15	17CV108	T Swathi	signalized intersection of	MISS.DI uliua A	
	18CV403	Chelovadi Harish	- Ballari city		
	17CV019	ChethanNaik K	Experimental investigation	Mr. S.V.Patil	
	17CV016	Bharathi	on Dry Lean concrete using		
B16	17CV099	Shaik Yunus Pasha	steel slag as partial replacement of conventional		
	18CV431	Tulasi	aggregates		
	17CV064	Meghana P			
	17CV076	Neha Anjum	- Comparison on removal efficiency of natural	Mr. Srinivas	
B17	17CV035	HarshaHooli	coagulants in purification of	Pujari	
	17CV415	Khuthubuddin	water		
	17CV038	Javeed Pasha			
	17CV124	Karthik Patil G	Rheological properties of cement mortar with blast		
B18	17CV060	Manjunatha G S	furnace slag as replacement	Mr. Basavaraj B	
	18CV417	R S Srideep	of fine aggregates		



B.No	U.S.N	STUDENTS NAME	PROJECT TITLE	GUIDE/SIGN
	17CV115	VineethaSatyanarayanaSiri ki	Effect of Hybrid fibres &	
B19	17CV087	Priyanka G	mineral admixtures on	Mr.Md Khalid S
	16CV037	Manjunath	Properties of Geopolymer Concrete	
	18CV400	Anwar Pasha		
	17CV100	Sharat S Naduvinamani	Experimental study on	
	17CV041	Simran K	SIF concrete using M	Mr. Shiva Kumar
B20	17CV033	Guru Shiva Kumar	sand and partially replacing cement with	К
	18CV425	Shailaja .N	silica fume	
	17CV120	Vishnu P		
	17CV061	Manoj B M	Experimental study on M30 grade of concrete	Mr. Shiva Kumar
B21	17CV109	Triveni	using Ferro cement and	K
	18CV422	Sahana S	fibers as composite	
	17CV122	Yeshwanth M	Experimental study on	
Daa	17CV002	Aishwarya P S	fresh and hardened properties of concrete	Mr. Anil Kumar H
B22	17CV084	Pradeep	with high density coarse	М
	18CV419	Revathi B S	aggregates and quartz sand as fine aggregate	
	17CV003	Ajay Kumar S Chavan		
D02	17CV110	Usha Rani G	Use of bamboo as reinforcement in low	Miss Drands A
B23	17CV119	Vishalakshi	volume roads	Miss.Brunda A
	18CV424	Shabarish	-	
	17CV090	Rakshitha D		
	17CV086	Priyanaka	Analysis and design of multi-storey building on	
B24	17CV046	Krantikumar	hilly terrain using	Mr.Md.Haseebulla
	18CV407	Gireesha K	STAAD PRO V8i	М



B25	17CV047 17CV054 18CV429	KuppaSwapnaMadhuri Maheshwari P		
B25 —	18CV429	Maheshwari P		
			Manufacture of Geopolymer brick by	Mr. Vinaykumar
		Sunil L A	reuse of waste bricks	Н
	18CV401	Avinash K		
	17CV092	Balamanikanta S	Study on ground water	
	17CV066	Misba Yasmeen	quality of different zones of Ballari city and	
B26	17CV077	Ningappa	percentage removal of	Mrs. Chaitra
	18CV427	Sonali	hardness by lime soda process	
	17CV079	PaluvuriRamanjineyulu	An experimental	
	17CV065	Mirza Basheer Baig	Investigation on	Mr. Raviteja U
B27 —	18CV428	Sumanth C	properties of light weight concrete replaced by	
	17CV088	Syed Mohammed Hashir R         coarse aggregates		
	17CV103	Sindhu K	Lond was lond some	
	17CV106	SujendraGoud M	Land use land cover change analysis of	Mr. Swed Sedet
B28	17CV114	Vinay B C         Ballari city using QGIS		Mr. Syed Sadat Ali
	18CV421	SahanaNanyapur	software	
	17CV101	Sheshadri K	Experimental study on	
	17CV098	Santosha	mortar by replacement of	Mr.Md.Haseebulla M
B29	17CV067	Mohammed Noumaan Faisal	fine aggregate with manufactures sand and	
	18CV415	Muzamil Hussain K	industrial byproduct	
	15CV038	Rakesh Y	Improving strength of	
B30	17CV045	KoteSharanaBasava	recycled aggregate concrete by using	Mr. Socar N.S.
D30	18CV437	Puneet Kumar		Mr. Sagar N S
	18CV436	PayarNath	Metakaolin	
	17CV005	Akbar Hussain		
	18CV420	Sadashiva	Preparation of concrete	
B31	17CV085	Prahlad	using gold mine waste as	Mr. Anil Kumar H M
	17CV112	Veerabadrappa	coarse aggregate	

	17CV093	Suraj S			
D22	17CV068	Mohammed Suhail	Partial replacement of		
B32	17CV063	MdShoaib	<ul> <li>coarse aggregate by coconut shell</li> </ul>	Mr. Raviteja U	
	18CV416	Purushottama V			
	17CV015	BhajantriDurugappa	Partial replacement of		
D22	18CV404	Chethan BM	natural fine aggregate with industrial byproduct in mortar	Mr. Ambreesh	
B33	17CV018	C Mohammed Touqueer			
	16CV408	Fakruddin B A	application		
	17CV430	Somesh T	<ul> <li>Experimental study on</li> </ul>		
D24	17CV116	Vinod Kumar	replacing fine aggregate	Mr. Ambreesh	
B34	18CV410	Hemantharaj Y	by glass powder in		
	15CV044	Lakshmi	– concrete		

Project coordinator

Head of the Department

## **CIRCULAR**

It is here by informed to all the VII Sem students that there project groups and there respective guides have been allotted, further the students are required to meet there guides and discuss about the project work that has to be carried out in VII and VIII sem. The projects should be initiative and analytical must and should, Further you can refer college subscribed Journals for literature survey purpose.

## **Project Batch list for the year 2020 – 21**

Batch No.	Name of the Student	USN	Alotted faculties (Guide)	Title of the Project
B1	Shivaprakash M M	3BR17ME127		
	A Devika	3BR17ME006	Dr. Raju Jadar	Pressure Vessel Analysis
	Upendra kumar B	3BR17ME144		
	Sujith John	3BR17ME134		
B2	A Rohith	3BR17ME127		
	H. Sai Karthik	3BR17ME110	Prof. Shekar K	Design & Analysis of Car Crash
	Syeda Taranum Jahan	3BR17ME140		Elements
		3BR17ME077		
B3	Bakathatti Saibabu	3BR17ME016		
	Aravind	3BR17ME012	Prof.B.Jaya	Multipurpose Wheel Chair
	E V Sai Nikhil	3BR17ME030	Prakash	
	Ankush P T	3BR16ME016		
B4	Chandrashekar V	3BR18ME417		
	Mohammed Zubair Hussian	3BR18ME469	Prof.Pavan B S	Semi Automatic Wheel Chair
	Zibera	3BR18ME511		Serii Automatic Wheel Chair
	S. Sanjay	3BR18ME488		
B5	Aaman Sami	3BR17ME005		
	Hemanth Raj	3BR17ME044	Prof.Shivarama	Investigation of Thermal Analysis on
	Ajay Chauhan	3BR17ME008	Krishna	Disc Brake Using ABACUS
	Kiran B	3BR16ME076		
B6	A Bharath	3BR17ME001		Fabrication & Properties of
	K Shiva kUmar	3BR17ME048	Dr.Raghavendra	Transparent Wood Experimental
	Hanumantha K	3BR17ME041	Joshi	Study onThermaconductivity of AMC
	Satish Kumar	3BR17ME122		reinforced with Ironoxide
B7	G Rakesh Reddy	3BR17ME032		Case Study of Performance analysis of
	Amar K	3BR17ME011	Prof.Srinivasulu V	a Solar Flat Plate Collector by using
	Bheema Shankar B	3BR17ME019	Prof.Stinivasulu v	Nano fluids
	Girish Joshi	3BR17ME036		Nano huius
B8	Shivachandra	3BR16ME197		
	Pramod K	3BR17ME050	Prof.Gavisiddesh	Evaluation of wear behavior of Hybrid
	Kondaiah A T	3BR17ME055	a P	Aluminum MMC
	Kedar	3BR17ME052		
B9	Rahul P	3BR16ME110		
	Marriswamy K R	3BR16ME093	Prof.B.Jaya	
	, Akhil K	3BR16ME008	, Prakash	Self Balancing of Electric Brake
	Sai Pavan K C	3BR16ME142		

	R Darshan	3BR17ME094		Experimental Performance of
B10	Nitin Kumar C A	3BR17ME094		Heat Transfer by using
DIO	Manikanta	3BR17ME066	Prof.Sreeharsha B T	Copper Fin in Forced
	Pradeep Kumar S	3BR17ME000		Convection
B11	Ramanna Gouda	3BR17ME092		No title
DII	Pavan Kumar E	3BR17ME100		No title
		3BR17ME088	Prof.Ravi G	
	Pradeep Siddarth M C	3BR17ME091 3BR17ME058		
B12	S Jafar Sadig	3BR17ME038		Plug in Hybrid Bicycle&
DIZ	Rakesh Gouda V	3BR17ME107		Hybrid Power Plant
	Mohammed Shakir	3BR17ME098	Prof.Manjunath E	Hybrid Fower Flairt
		3BR17ME104		
D12	Rayees Ahmed Khan	4		Design & Fabrication of Fac
B13	T Ravi Kumar	3BR17ME103		Design & Fabrication of Eco-
	S Arjun	3BR17ME106	Prof.Raghavendra setty G	Friendly Water Purifierfor
	P Sai Teja	3BR17ME114		Remote Villages using Wind
D4 4	Sai Mahanth	3BR17ME112		Energy
B14	Neeraj Kumar Singh	3BR17ME083		Design & Fabrication of
	Manish Kumar Pandey	3BR17ME067	Dr. Umesh M Daivagna	Pneumatic Pump Making
	Sagar Kurali	3BR17ME109		Machine
<b>D</b> 45	Sanketh Pal	3BR17ME120		
B15	Bhargava Reddy	3BR18ME415		Design of Automatic Channel
	Channabasavanna	3BR18ME477		Cleaner
	Gouda	3BR18ME456	Prof. Dhanunjay Kumar	
	Manjunatha gosi	3BR18ME412		
	B Shivakesava			
B16	Kollli Hemanth	3BR17ME054		Flow Analysis on a Solar
	H M Dayanand	3BR17ME038	Prof.Raghavendra K	Photovotiac Thermal Fruit
	Karanam shreyas	3BR17ME051		Dryer
	A M Deepak	3BR17ME003		
B17	K Vivek	3BR17ME049		Design & Analysis of Break
	D Basavaraj	3BR17ME024	Prof.Vijay Kumar B P	Liner
	Darani Kumar S	3BR17ME028		
	Gagan M	3BR17ME34		
B18	Nagasuchit S	3BR17ME078		3-D Model of pyrolysis unit to
	Nitin Krishna K	3BR17ME085	Dr.V.Vekataramana	convert plastic to Fuel
	Malapati rohit Kumar	3BR17ME064		
	Somesh V N	3BR17ME132		
B19	Majid Ahmed Khan	3BR17ME063		H20 Air Purifier
	Mustq	3BR17ME076	Prof.Vishnu Prasad	
	Md Faheem Afzar	3BR17ME072		
	Shaik Md Muhib	3BR17ME124		
B20	Rakesh V B	3BR17ME099		Automatic Pneumatic
	Naveen S Batakurki	3BR17ME082	Prof.Manjunath T H	Ramming Machine
	Sachin K	3BR17ME108		
	A H M Prajwal	3BR17ME002		
B21	Venkatesh N	3BR17ME150		Comparitive Analysis of Solar
	Vinayaka D	3BR17ME154	Drof Dovon Kumer D.K	Flat Plate collector With Nano
	Vishwanath H	3BR17ME157	Prof.Pavan Kumar B K	Coating

	_			
B22	Sumanth K	3BR17ME135		Development of Frictionless Eddy
	Vaibhav Kuryal	3BR17ME146	Dr. Ganesh B	Current Braking System
	Vinay Kulkarni	3BR17ME152	Dr. Gancon D	
	Yerriswamy	3BR17ME159		
B23	Kumar	3BR18ME445		Study of Properties of Gas Genrated out
	Kalyan Kumar B	3BR18ME438	Prof.Raghaven	of Composite Wood
	Kudithini Viripakshi	3BR18ME444	dra Kurnool	
	Kiran Kumar B	3BR18ME441		
B24	Gurunath R M	3BR18ME427		OPtimazation & Analysis of Crankshaft
	Hagari Lingappa k	3BR18ME429	Prof.Kalyan	
	Rajesh A	3BR18ME484	Babu	
	Ravi	3BR18ME485		
B25	V.Chiranjeevi	3BR18ME419		Design & Analysis of easy Handling Tolley
	Sajja Venkatesh	3BR18ME490	Prof.Mayur D	
	Md. Saqlain	3BR18ME468	Pawar	
	Naveen T	3BR18ME475		
B26	Siddaraja B K	3BR18ME495		Design of pedal Powered Washing
-	Vijay Kumar	3BR18ME506	Prof.	Machine& Grami Grinder
	Md. Shafi	3BR18ME464	Shivakumar.S.	
	Hadapada karthik	3BR18ME428	Y	
B27	Mahendra K	3BR17ME062		3-D Modelling of Elecric Trike using solar
	Gagan Chandu R	3BR17ME033	Prof.Maharaja	
	Pavan Kumar G	3BR17ME086	Gouda	
	Pavan U	3BR17ME089	00000	
B28	Praveer A	3BR17ME093		Investigation of Mech Properties of Poly
520	Santosh K	3BR16ME071	Dr.Anil Kumar	Electric Composites
	Manjunath B	3BR17ME068	HM	
	Madhusudan S	3BR17ME059		
B29	Vinod B	3BR17ME155		Design & Analysis of power generation
525	Sandeep kumar S G	3BR17ME118	Prof.	using railway track
	Shivu Kumar C	3BR17ME128	Venkatesh K C	
	Yogesh B	3BR17ME160	Veniacesinikie	
B30	Nadeem Sultan	3BR18ME461		Design of fire extinguisher ball drone
230	Muzamil M R	3BR18ME460		
	K Jagadish	3BR18ME436	Prof.Md Fayaz	
	Imtiyaz G	3BR18ME432		
B31	Siddaram	3BR17ME130		Study of Mech Properties on Metal
	Samir Hussain	3BR17ME130	Prof.Santosh V	Matrix composite for Bearing Application
	Shaik Nawaz	3BR17ME125	Janmatti	
	Md. Abdul Khadar	3BR17ME125	Jannatti	
B32	H Yashwanth Kumar	3BR17ME071		Fabrication & Properties of Transperant
0.02	H Basavana Gowda K	3BR17ME043	Prof.Taranath	Wood
	Hari Krishna	3BR17ME040	A	, wood
	Chandramouli SSM	3BR17ME042 3BR17ME020		
B33	Md. Nawaj D K	3BR18ME462		Synthasis and Testing of Rubber
633	Md. Asif	3BR18WE462 3BR18ME466	Prof Surai V	
	Anitha B		Prof. Suraj V Yadahalli	Transperent Woood
		3BR17ME162	Taudiidiii	
	B S Latha	3BR18ME411		

B34	Iqbal S	3BR17ME046			
	Sadiq	3BR17ME060	Dr.Lakshmiku	Design of Face Shield Using 3-D Printing	
	C H Niteesh	3BR17ME022	mari		
	Sunil P	3BR17ME136			
B35	Teju Swaroop	3BR15ME218			
	M Abhishek	3BR15ME096	Prof.	Pedal Operated Air Blower	
	Md Wasim Akram	3BR15ME130	Rajashekar K	Fedal Operated All Blower	
	Bharath Kumar H C	3BR15ME031			
B36	Mounesha	3BR18ME416			
	Mekara kavi Raj	3BR18ME476	Prof. Banakar	Decign of fabrication of stair climbing	
	Udhakara C	3BR18ME497		Design of fabrication of stair climbing	
	Mahantesh K	3BR18ME452	Nagaraj	trolley	
B37	Ajay Kumar E	3BR18ME402			
	Vali Prashanth Kumar	3BR18ME503	Dr.Raghavendr	Design Fabrication of Tesing of	
	K Laxminarayana	3BR18ME448	a Joshi	Pneumatic Air Engine	
	Veeresh M	3BR18ME504			
B38	Sireesha V	3BR17ME126			
	Saroja	3BR18ME491	Dr.Lakshmiku		
	Surya banu	3BR18ME500	mari	3 D Printing	
	Farath Fareen	3BR17ME077			
B39	Darshan Kayadad	3BR17ME026			
	Samarth Vernekar	3BR17ME115	Dr.V.Vekatara		
	Sanjay M	3BR17ME119	mana	Digital Fuel Meter	
	Suraj Pal	3BR17ME137			
B40	Manjunath V	3BR18ME458			
010	Danraj Kumar V	3BR18ME420		Study of properties of Gas generated	
	Babu Bharath M	3BR18ME413	Dr. Raju Jadar	out of composite wood through	
	Chandra sekhar Reddy	3BR18ME418		gasification	
B41	Uday Kumar V	3BR16ME180			
DHI	Sharan Pujar	3BR15ME196	Prof.Raghaven	Power Generation from Exhaust Heat	
	Bharath Kumar	3BR16ME029	dra K		
	Shiv Prabhu A	3BR16ME163	ura K	Using Peltier Model	
B42	Yuvraj G	3BR18ME510			
D4Z	Harisha M	3BR18ME430	Dr. Umesh M	Decign & Cohrigotian of Multinumpers	
	Bharath K	3BR18ME414		Design & Fabrication of Multipurpose Wheel Chair	
	Jiru Prakash	3BR18ME437	Daivagna	wheel chair	
D42					
B43	Uttam G	3BR18ME502		Desire & Constituention Disinfonting Code	
	Suresh Kumara	3BR18ME499	Dr. Ganesh B	Design & Sanitisation Disinfecting Gate	
	Mahndra U	3BR18ME454		Sanitizing Booth	
D 4 4	Raghu B	3BR18ME482			
B44	Vikas T	3BR17ME151	Dueft		
	Vinay Kumar k	3BR17ME153	Prof.Manjunat	Combination of Simple Pedal Brake on	
	Siddarth	3BR17ME131	hTH	Accelerator System	
	Yogesh M	3BR17ME161			
B45	Hadilingappa Nayakara	3BR18ME422			
	Roshan Zameer	3BR18ME487	Dr. Anil Kumar	Design & Analysis of Regenarative Disk	
	Akash S	3BR18ME404	НM	Breaking System	
	Sushanth P	3BR18ME501			
B46	Khaji Zunaid Ahmed	3BR18ME440	Prof.	Study of Fabrication of Mechanical	
	Md Tayab Ali Farak	3BR18ME465	Dhanunjay	Testing of natural Fiber reinforced	
	Muaz Ballary	3BR18ME470	Kumar	polymer composite	
	Md Asif	3BR18ME451	Kuillai		
B47	Pavan Kalyan P	3BR18ME479	Prof. Banakar	Experimental studies on guava fruit	
	Muralidhar V	3BR18ME471	Nagaraj	drying using solar dryer	

	Vishwanath	3BR18ME508		
B48	S K Md Gouse Samdani Venkatesh B Usama Junaid Syed Md Mohsin	3BR17ME123 3BR17ME149 3BR17ME145 3BR17ME138	Prof.Srinivasul u V	Solar tube day lighting
B49	G B Madhu Babu Akhil M Srinivas Naidu A Mahendra B M	3BR18ME450 3BR18ME455 3BR18ME496 3BR18ME453	Prof. Sekhar K	Self Balancing of 2 – Wheeled Motor Bike
B50	Kiran Naik Pandurangha P R Kishan B Suvarna Akash Kumar	3BR18ME442 3BR18ME478 3BR18ME486 3BR18ME403	Prof.Shivaram akrishna	Study on maximization of reposibility in electrostatic machine by using Qc Tools & techniques in metal industry
B51	Pradeep U Harshavardhan Reddy P Ajay Kumar Y	3BR18ME480 3BR18ME431 3BR18ME509	Prof.Pavan Kumar B K	Modelling & Analysis of foot step power generation using Rack & pinion arrangement
B52	Abhisheka C Kishore Kumar Jagadish K Kumara K	3BR18ME400 3BR18ME443 3BR18ME435 3BR18ME446	Prof.Mayur D Pawar	Design of Agricultural Waste Pallet Machine
B53	Akhil Gowda R Nagamurthy K M Sharath Kumar S B Vinod Raj M	3BR17ME403 3BR17ME467 3BR17ME489 3BR17ME508	Prof.Sreeharsh a B T	Experimental Performance Analysis of Window Air Conditioning System

	15 Scheme				
S.NO	NAME OF THE	USN	GUIDE NAME	TITLE OF THE PROECT	
	STUDENT		GUIDE NAIVIE		
B54	Srikanth S	3BR16ME167		Design of Solar Powered at shimmer	
	K JohnsonRaj	3BR16ME063	Prof.Md Fayaz	robot	
	Durga Prakash V	3BR16ME044	FT01.IVIU Tayaz		
	Keshava B	3BR17ME053			
B55	Mahendra Y	3BR18ME455		Analysis of Piston by using Ansys	
	Naresh M B	3BR18ME472	Prof.Vijay Kumar B P		
	Kasim Sab	3BR18ME439	rioi.vijay kullar br		
	Jadi Murthy H K	3BR18ME434			
B56	B Suresh Reddy	3BR16ME022		Solar Operated Multi Crop Threshing	
	B Harshavardhan Reddy	3BR16ME057	Prof. Shivakumar.S.Y	Machine	
	K Ramesh	3BR16ME101			
B57	C R Manikanta	3BR17ME412		Study & fabrication of Dust Collector	
	Sharana Basava gouda	3BR16ME055	Prof.Ravi G		
	Lohit K	3BR17ME448			
	Veeranjineya	3BR17ME426			
B58	Darshan Patel	3BR17ME027		Application of Adaptive New fuzzy	
	Akshay Karanam	3BR17ME010	Prof.Manjunath E	Interface system ferfant diagnosis	
	Sai Pavan	3BR17ME018			
	Manoj	3BR17ME007			
B59	Chetan Kumar N	3BR17ME021		Synthasis & Charecterization of	
	Ganesh G	3BR17ME035	Prof.Janamatti	AL7075	
	Bhargav Reddy	3BR17ME031	i i oi Janamatti		
	Harish Kumar	3BR17ME043			

Amal Krishna Guru Murthy.Y3BR18ME406Prof.Gavisiddesna PB61Rakesh Kumar Anil kumar B B H Sodesh3BR17ME437 3BR15ME021Smart Power Packed BagB62Santosh Kumar L Pradeep Singh Santosh H G3BR16ME470 3BR16ME429Modeling Dry Coconut SlicerB63Kenchana Gouda Md Haseeb Hayat Yashwant G3BR16ME404 3BR16ME4158 3BR16ME458 Ameer HussainModeling Dry Coconut SlicerB64Md. Imran H Krishna B.T Kiran K B Ravi Kumar Naik3BR16ME441 3BR16ME436 3BR16ME436 Ankush PTProf.Mektesh K C 3BR16ME074 3BR16ME413 3BR16ME414 3BR16ME414 Ameer Hussain Ashwant GProf.Taranath A Solar Operated Disinfictant Robot Sprayer by using Android MobileB64Md. Imran H Krishna B.T Kiran K B Ravi Kumar Naik3BR16ME431 3BR16ME431 3BR16ME431Prof.Taranath A Prof.Taranath A Ravi Kumar NaikSolar Operated Disinfictant Robot Sprayer by using Android MobileB65Ankush PT Sheik Shiraj Sagar A Vishal Sharma3BR16ME193Hard Materials Machining Perf.Gavisiddesha P Perf.Gavisiddesha P	B60	Ajim Basha	3BR18ME410		Design & Fabrication of Pedal
Amal Krishna3BR13ME406Guru Murthy.Y3BR13ME426B61Rakesh Kumar3BR17ME437Anil kumar B3BR17ME405B H Sodesh3BR17ME405B H Sodesh3BR16ME470Pradeep Singh3BR16ME478K Pavan Kumar3BR16ME478Santosh H G3BR16ME471B63Kenchana GoudaAmer Hussain3BR16ME474Md Haseeb Hayat3BR16ME474Yashwant G3BR16ME495Md. Imran H3BR16ME435Krishna B.T3BR16ME434Krishna B.T3BR16ME435Krian K B3BR16ME434Ravi Kumar Naik3BR16ME436Shei Shiraj3BR15ME08Shei Shiraj3BR15ME08Sagar A3BR15ME08Vishal Sharma3BR15ME08B66Sathyanarayana.MMehaboob Basha3BR17ME455Prof.RaghavendraDesign of Automatic Tyre InflamationSolar Operated DasharSolar Operimication of DiseComposite HelmetKiran K BRavi Kumar NaikSBR15ME078B65Ankush PTShei ShirajSagar ASagar A		MD.Moin K.K	3BR18ME467	Dref Covisiddeebe D	Operated Drilling & Grinding Machine
B61Rakesh Kumar Anil kumar B B H Sodesh3BR17ME437 3BR15ME021Prof.Jayaprakash.BSmart Power Packed BagB62Santosh Kumar L Pradeep Singh Santosh H G3BR16ME470 3BR16ME429 Santosh H GProf. Pavan B SModeling Dry Coconut SlicerB63Kenchana Gouda Md Haseeb Hayat Yashwant G3BR16ME404 3BR16ME4195Prof. Pavan B SDesign & Fabrication of Bio Composite HelmetB64Md. Imran H Kiran K B Ravi Kumar Naik3BR16ME411 3BR16ME411Prof. Venketesh K CSolar Operated Disinfictant Robot Sprayer by using Android MobileB65Ankush PT Sheik Shiraj Sagar A Vishal Sharma3BR15ME003 3BR15ME003Prof.Gavisiddesha P Prof.RaghavendraHard Materials Machining Perof.RaghavendraB66Sathyanarayana.M Mehaboob Basha3BR17ME454Prof.RaghavendraDesign of Automatic Tyre Inflamation System		Amal Krishna	3BR18ME406	Prof.Gavisiddesha P	
Anil kumar B B H Sodesh3BR17ME405 3BR15ME021Prof.Jayaprakash.BModeling Dry Coconut SlicerB62Santosh Kumar L Pradeep Singh Santosh H G3BR16ME470 3BR16ME429Modeling Dry Coconut SlicerB63Kenchana Gouda Ameer Hussain Md Haseeb Hayat Yashwant G3BR16ME404 3BR16ME419Prof. Pavan B SB64Md. Imran H Krishna B.T Kiran K B Ravi Kumar Naik3BR16ME431 3BR16ME431Prof. Venketesh K C Prof. Venketesh K CDesign & Fabrication of Bio Composite HelmetB65Ankush PT Sheik Shiraj Sagar A Vishal Sharma3BR16ME003 3BR15ME193Prof.Gavisiddesha P Prof.Gavisiddesha P Prof.Gavisiddesha P Prof.Gavisiddesha P Prof.Gavisiddesha P Prof.RaghavendraHard Materials Machining Performance Optimization with Tools & LubricationsB66Sathyanarayana.M Mehaboob Basha3BR17ME485 3BR17ME454Prof.RaghavendraDesign of Automatic Tyre Inflamation System		Guru Murthy.Y	3BR18ME426		
B H Sodesh3BR15ME021Prof.Jayaprakash.BProf.Jayaprakash.BB62Santosh Kumar L3BR16ME470Modeling Dry Coconut SlicerPradeep Singh3BR16ME429Prof. Pavan B SModeling Dry Coconut SlicerB63Kenchana Gouda3BR16ME471Prof. Pavan B SDesign & Fabrication of BioB63Kenchana Gouda3BR16ME404Prof. Venketesh K CComposite HelmetMd Haseeb Hayat3BR16ME404Prof. Venketesh K CComposite HelmetMd Haseeb Hayat3BR16ME411Prof. Venketesh K CSolar Operated Disinfictant RobotB64Md. Imran H3BR16ME435Prof. Taranath ASprayer by using Android MobileKiran K B3BR16ME435Prof. Gavisiddesha PSolar Operated Disinfictant RobotB65Ankush PT3BR16ME016Sprayer by using Android MobileSheik Shiraj3BR15ME03Prof.Gavisiddesha PPerformance Optimization with ToolsSagar A3BR16ME193SBR16ME435Design of Automatic Tyre InflamationB66Sathyanarayana.M3BR17ME485Prof.RaghavendraDesign of Automatic Tyre InflamationB66Sathyanarayana.M3BR17ME454Prof.RaghavendraDesign of Automatic Tyre Inflamation	B61	Rakesh Kumar	3BR17ME437		Smart Power Packed Bag
BH Sodesh3BR1SME021AmericanModeling Dry Coconut SlicerB62Santosh Kumar L3BR16ME470Prof. Pavan B SModeling Dry Coconut SlicerPradeep Singh3BR16ME429Prof. Pavan B SModeling Dry Coconut SlicerB63Kenchana Gouda3BR16ME471Design & Fabrication of BioB63Kenchana Gouda3BR16ME404Prof. Venketesh K CComposite HelmetMd Haseeb Hayat3BR16ME404Prof. Venketesh K CComposite HelmetYashwant G3BR16ME411Prof. Taranath ASolar Operated Disinfictant RobotKrishna B.T3BR16ME434Prof. Taranath ASprayer by using Android MobileKiran K B3BR15ME178Prof. Gavisiddesha PPerformance Optimization with ToolsB65Ankush PT3BR15ME098Prof. Gavisiddesha PPerformance Optimization with ToolsSagar A3BR15ME093Sagar A3BR15ME093Prof. Gavisiddesha PSheik Shiraj3BR15ME093Prof. RaghavendraDesign of Automatic Tyre InflamationB66Sathyanarayana.M3BR17ME454Prof. RaghavendraDesign of Automatic Tyre Inflamation		Anil kumar B	3BR17ME405	Dref leverskech D	
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Pradeep Singh K Pavan Kumar3BR16ME458 3BR16ME429Prof. Pavan B SSantosh H G3BR16ME429Prof. Pavan B SSantosh H G3BR16ME471Design & Fabrication of BioB63Kenchana Gouda3BR16ME404 3BR16ME404Prof. Venketesh K CMd Haseeb Hayat3BR16ME404 3BR16ME498Prof. Venketesh K CYashwant G3BR16ME491 3BR16ME491Solar Operated Disinfictant Robot Sprayer by using Android MobileB64Md. Imran H3BR16ME435 3BR16ME434Solar Operated Disinfictant Robot Sprayer by using Android MobileKiran K B3BR16ME434 3BR15ME178Prof.Taranath AB65Ankush PT3BR16ME016 Sagar AHard Materials Machining Performance Optimization with Tools & LubricationsB66Sathyanarayana.M3BR17ME485 3BR17ME454Design of Automatic Tyre Inflamation System					
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		Jambunath	3BR17ME435	Kurnool	

HOD Dr. Y. BASAVARAJ Project Co-ordinator Prof. B. VISHNU PRASAD

#### Ballari Institute of Technology and Management(BITM),Ballari. Department of Management Studies (MBA) Project List with Tide, 18MBABB407

Media         UNMARY ALASSING         STUDY OF SIX AND REFLEX ON DEPOTION ASSINGT SATURATION OF SIX APPLICATION OF SIX APPLI				Project List with Title 18MBAPR407		
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TRIPMBA33         R. SHRUTHI         A STUDY ON STELL, INDEX SECTOR CHANGES IN BEFORE OR AFTER COVID 19           TRIPMBA55         RANUA K         A STUDY ON THE EVENTS SHAPPED ON THE GOBLE STOCK MARKETS         DIVESTIK           TRIPMBA55         RANUA K         A STUDY ON DIVESTIK         DIVESTIK         DIVESTIK           TRIPMBA55         RANUA K         A STUDY ON NONAX ETECT. IN INVA STOCK MARKETS         DIVESTIK         DIVESTIK           TRIPMBA57         RANUA K         A STUDY ON NONAX ETECT. IN INVA STOCK MARKETS         DIVESTIK         DIVESTIK           BRIPMBA74         SLEEKI K         ANATAK         ANTON STOCK FREE COLOR MARKETS         DIVESTIK         DIVESTIK           BRIPMBA73         SLEEKI K         A ANTON STOCK FREE COLOR MARKETS OF PROCEED ON CONSUMER         DIVESTIK         DIVESTIK           BRIPMBA73         LORESH K         A STUDY ON INVERTIGE PERCEPTION TOWARDS MUTUAL FINDS         DIVESTIK         DIVESTIK           BRIPMBA73         LORESH K         A STUDY ON INVERTIGE PERCEPTION TOWARDS AND CORONAL DESTIN         DIVESTIK         DIVESTIK           BRIPMBA73         MANDUNATHA         A STUDY ON CONSTMUENT MORE TOWARDS AND CORONAL DESTIV         DIVESTIK         DIVESTIK           BRIPMBA74         MANUNATHA         A STUDY ON CONSTMUENT MORE TOWARDS AND CORONAL DESTIVE         DIVESTIK         DIVESTIK	1					
THE 1940ALG       ANTURY ON THE ENVIRY SHAPED ON THE CORLETION CK MARKETS       DDESH K         THE 1940ALG       ANTYA K       ANTURY ON BANKING YOCK PREZ HELEVISK MARKET       DDESH K         THE 1940ALG       ANTYA K       ANTURY ON BANKING YOCK PREZ HELEVISK MARKET       DDESH K         SHE 1940ALG       ANTYA KINEL       DATABLE AND YOCK PREZ HELEVISK MARKET       DDI YA BHARATHI         SHE 1940ALG       ANTYA KINEL       DATABLE AND YA BHARATHI       DDI YA BHARATHI         SHE 1940ALG       ANTYA KINEL       ANTYA KINEL       DI YA BHARATHI         SHE 1940ALG       ANTYA KINEL       ANTYA KINEL       DI YA BHARATHI         SHE 1940ALG       KEERTHI SH       ANTYA KINEL       DI YA BHARATHI         SHE 1940ALG       MARKING KINEL YO IN VISTORS PERCEPTION TOWARDS MITUAL INDIS       DI YA BHARATHI         SHE 1940ALG       MARKING KINEL YO IN VISTORS PERCEPTION TOWARDS AND CORPORATION TO       DI YA BHARATHI         SHE 1940ALG       MARKING KINEL YA BHARATHI       DI YA BHARATHI       DI YA BHARATHI         SHE 1940ALG       MARKING KINEL YA BHARATHI       DI YA BHARATHI       DI YA BHARATHI         SHE 1940ALG       MARKING KINEL YA BHARATHI       DI YA BHARATHI       DI YA BHARATHI         SHE 1940ALG       MARKING KINEL YA BHARATHI       DI YA BHARATHI       DI YA BHARATHI <tr< td=""><td>3</td><td></td><td></td><td></td><td></td></tr<>	3					
JIKUNBAS       EXEMUSATION       DECISIONS TO HIGH COVID-19 WITH RESPECT TO SOLE ALLARI       DINSIST K         JIKUNBAS       RAMYASHEED       ASTUDY ON CONSTMENENT COX MARKET       DINSIST K         JBRIMBA71       SURESH KUMAR M       ASTUDY ON COSTOMER BUTNE GERATIVOR TO WARDS CF FOODS PRIVATE       DIVYA BHARATH         JBRIMBA73       LOKESH K       DIVYA BHARATH       DIVYA BHARATH         JBRIMBA74       MASHWARD       ASTUDY ON VARION ASPECTO OF DIGTAL MARKETING AND DITS IMPACT ON CONSUMER       DIVYA BHARATH         JBRIMBA74       MASHWARD HUSSAN       CONSULTANCY SHEWARDS AND READS BITULAL FUNSE       DIVYA BHARATH         JBRIMBA74       MASHWARD HUSSAN       CONSULTANCY SHEWARDS AND READS BITULAL FUNSE       DIVYA BHARATH         JBRIMBA74       MASHWARD NS AND DIVYA BHARATH       ASTUDY ON VARION ASPECTO OF CONSUME TO WARDS ARVIED ASHWARD DIVYA BHARATHH         JTRIMMBA72       NAVEEN KUMAR N S       STUDY ON READ PERCEPTION OF CONSUME TO WARDS ARVIED ASHWARD DIVYA BHARATHH         JTRIMMBA72       RAGHUAMIA REDDY LOT NOT CONSUMER DIVYARD SHAVENT QUALITY IN INDIAN       DIVYA BHARATH         JTRIMMBA72       RAGHUAMIA REDDY LOT NOT CONSUMER BUTNG OF THE CUSTOMERT BUT SHAWENT QUALITY IN INDIAN       DIVYA BHARATHH         JTRIMMBA73       RAGHUAMIA REDDY LOT NOT CONSUMER BUT NO ROT THE CUSTOMERT BUT NO REDIX AND ASHWARD ASHWARD ASHWARD ASHWARD ASHWARD OF THE CUSTOMERT BUT NO REDIX       DIVYA BHARATHH </td <td>4</td> <td>3TR19MBA36</td> <td>RAKSHIT KUMAR.E</td> <td>A STUDY ON THE EVENTS SHAPPED ON THE GOBLE STOCK MARKETS</td> <td></td>	4	3TR19MBA36	RAKSHIT KUMAR.E	A STUDY ON THE EVENTS SHAPPED ON THE GOBLE STOCK MARKETS		
SRIEMBA74         SURESH KUMAR M         ASTUDY ON CUSTOMER BUTNOG BEHAVIOR TO WARDS CF OOLD SITVATE         BUYA SHARATHE           3BR 19MBA90         KREETHI SRI         AANALYSIS OF FACEBOOK MARKETING AND ITS IMPACT ON CONSUMER         DIVYA BHARATHE           3BR 19MBA72         LÖKESH I. K         ASTUDY ON INVERTOR SPRECTO DUCIDANADIS MUTUAL FUNDS         DIVYA BHARATHE           3BR 19MBA72         MASIWAQHITUSSAN         ASTUDY ON INVERTOR SPRECTO DUCIDANADIS MUTUAL FUNDS         DIVYA BHARATHE           3BR 19MBA2         MANUNATHA         A STUDY ON CUSTOMER SATISFACTION TOWARDS JANKI COPPORATION LTD         DIVYA BHARATHE           3TR 19MBA12         NAVEEN KUMAR N S         ASTUDY ON CUSTOMER SATISFACTION TOWARDS JANKI COPPORATION LTD         DIVYA BHARATHE           3TR 19MBA12         NAVEEN KUMAR N S         ASTUDY ON CUSTOMER SATISFACTION TOWARDS SARVICE QUALITY IN INDIAN         DIVYA BHARATHE           3TR 19MBA12         RAGHIARINA         ASTUDY ON CUSTOMER SATISFACTION OF THE CUSTOMER THIS SPECIAL         DIVYA BHARATHE           3TR 19MBA12         RAGHIARINA         ASTUDY ON CONSIMER BUTYON OF THE CUSTOMER THIS SPECIAL         DIVYA BHARATHE           3TR 19MBA14         RAGHIARINA REDUTY J.         ASTUDY ON CONSIMER BUTYON GELAVICENSE WITH SPECIAL REPERENCE TO APPLE         DIVYA BHARATHE           3TR 19MBA25         RAMESHA         ASTUDY ON CUSTOMER SATISFAVIORO         DIVYA BHARATHE	5	3TR19MBA38	RAMYA K		DINESH K	
JBRINBLAF         SURESH KUMAR M         LIMITED         DIVYA BHARATHI           THR 19MIRA69         KEBRTHI SRI         ANALYSIS OF PACEBOOK MARKETING AND ITS IMPACT ON CONSUMER         DIVYA BHARATHI           JBR 19MBA72         LOKESH K.         A STUDY ON WRETORS FERCEPTION TOWARDS MUTUAL FUNDS         DIVYA BHARATHI           JBR 19MBA72         MASHWAQH HUSSAIN         CONSUMER         DIVYA BHARATHI           JBR 19MBA72         MASHWAQH HUSSAIN         CONSUMER STEFACTION TOWARDS SHARL ORPORATION LTD         DIVYA BHARATHI           JBR 19MBA72         NAVEN KUMAR N         A STUDY ON USTOMER SATEFACTION TOWARDS SHARL ORPORATION LTD         DIVYA BHARATHI           JTR 19MBA71         NAVEN KUMAR N         A STUDY ON USTOMER SATEFACTION TOWARDS SHARL ORPORATION LTD         DIVYA BHARATHI           JTR 19MBA72         R. RADIAKRISHINA         A STUDY ON REND PRECIPTION OF OKABDE SHEEL QUALTY IN INDIA         DIVYA BHARATHI           JTR 19MBA73         R. RADIAKRISHINA         A STUDY ON CONSUMER PERCEPTION TOWARDS SHEEL QUALTY IN INDIA         DIVYA BHARATHI           JTR 19MBA73         RAMESHA         MASTUDY ON CONSUMER BUYING BEHAVIOR WITH REFERENCE TO GAYATHI         DIVYA BHARATHI           JTR 19MBA71         SURESH M         MISTUDY ON CONSUMER BUYING BEHAVIOR WITH REFERENCE TO PAGC         DIVYA BHARATHI           JTR 19MBA73         SURESH M         A STUDY ON NEW PROLUC MARKET	6	3TR19MBA39	RAMYASHREE.D		DINESH K	
JBR 1998.69         KEEKIN SG         EUTYNG BEHAVIOR.         DUYN BHARATHI           JBR 1998.67         LAKSIN J. K.         A STUDY ON NURGEDS SPECEDS OF DIGTAL MARKETING AT GLOBE         DUYN BHARATHI           JBR 1998.672         MASHWAQH HUSSAN         A STUDY ON NURGEDS SPECEDS OF DIGTAL MARKETING AT GLOBE         DUYN BHARATHI           JBR 1998.672         MANUNATHA         A STUDY ON CUSTOMER SATEFACTION TOWARDS LAKEL CORVIGATION LTD         DUYNA BHARATHI           JTE 1998.612         NAVEEK KUMAR N S         MINIMED BHANDR         DUYNA BHARATHI           JTR 1998.612         NAVEEK KUMAR N S         MINIMED BHANDR         DUYNA BHARATHI           JTR 1998.622         R. RADHARKISHNA         A STUDY ON CUSTOMER SATEFACTION TOWARDS SERVICE QUALITY IN DDIAN         DUYNA BHARATHI           JTR 1998.623         R. RADHARKISHNA         A STUDY ON CUSTOMER SATEFACTION WITH SPECIAL REFERENCE TO BAYNA BHARATHI         DUYNA BHARATHI           JTR 1998.623         R. RADHARKESHNA         RTUDY ON CUSTOMER SATEFACTION WITH SPECIAL REFERENCE TO APLE         DUYNA BHARATHI           JTR 1998.63         RAGHUMAHA REDUY J.         STELLY ON CUSTOMER SATEFACTION WITH SPECIAL REFERENCE TO GAYATHRI         DIYNA BHARATHI           JTR 1998.642         RAGHUMAHA REDUY J.         STELLY ON CUSTOMER SATEFACTION WITH SPECIAL REFERENCE TO PAPLE         DIYNA BHARATHI           JTR 1998.643         RAGHUMAHA REDUY	7	3BR18MBA74	SURESH KUMAR M	LIMITED	DIVYA BHARATHI	
3BR19MB474         MASHIWAQH HUSSAIN         A STUDY ON VARIOUS ASPECTS OF DIGITAL MARKETING AT GLOBE         DIVYA BHARATHE           3BR19MB474         MASHIWAQH HUSSAIN         A STUDY ON CUSTOMER SATISFACTION TOWARDS JANKI CORPORATION LTD         DIVYA BHARATHE           3TR19MB472         NAVEEN KUMAR NS         A STUDY ON CUSTOMER SATISFACTION TOWARDS SERVICE QUALITY IN INDIAN         DIVYA BHARATHE           3TR19MB471         PAVAK KALYAN         A STUDY ON CONSUMER PRICEPTION TOWARDS SERVICE QUALITY IN INDIAN         DIVYA BHARATHE           3TR19MB471         PAVAK KALYAN         A STUDY ON CONSUMER PRICEPTION TOWARDS SERVICE QUALITY IN INDIAN         DIVYA BHARATHE           3TR19MB473         RADIAKKISINA         A STUDY ON CONSUMER PRICEPTION TOWARDS SERVICE QUALITY IN INDIAN         DIVYA BHARATHE           3TR19MB473         RADIAKKISINA         A STUDY ON CONSUMER BUTYN BERGETTON WITH SPECIAL REFERENCE TO APPLE         DIVYA BHARATHE           3TR19MB473         RAMESHA         A STUDY ON BRAND AWARENSES WITH SPECIAL REFERENCE TO APPLE         DIVYA BHARATHE           3TR19MB471         SURESH M         A STUDY ON BRAND AWARENSES WITH SPECIAL REFERENCE TO APPLE         DIVYA BHARATHE           3TR19MB474         SAUDY ON BRAND AWARENSES WITH SPECIAL REFERENCE TO APPLE         DIVYA BHARATHE           3TR19MB474         SAUDY ON REFAIL REFERITON TON STATEGEES WITH REFERENCE TO APPLE         DIVYA BHARATHE           3TR1	8			BUYING BEHAVIOR		
SREIPMEAR         DUVA BELAKATINA           STELPMEAR         ASTUDY ON USINGER SATISFACTION TOWARDS JANKI CORPORATION ITD           DIVYA BELAKATINA         ASTUDY ON USINGER SATISFACTION TOWARDS SARVING FASHION           STELPMEAR         NAVEEN KUMAR N S           STELPMEAR         ASTUDY ON USINGER SATISFACTION TOWARDS SERVICE QUALITY IN INDIAN           JTELPMEAR         ASTUDY ON USINGER PERCEPTION TOWARDS SERVICE QUALITY IN INDIAN           JTELPMEAR         ASTUDY ON USINGE PERCEPTION TOWARDS SERVICE QUALITY IN INDIAN           JTELPMEAR         ASTUDY ON USINGE PERCEPTION TOWARDS SERVICE QUALITY IN INDIAN           JTELPMEAR         ASTUDY ON USINGE PERCEPTION TOWARDS SERVICE QUALITY IN INDIAN           JTELONMUNICATION NDUSTRY         DIVYA BHARATHI           JTELONMUNICATION NDUSTRY         DIVYA BHARATHI           JTELONMUNICATION NOUS ASTISFACTION WITH SPECIAL REFERENCE TO GAYATHEI         DIVYA BHARATHI           JTRI9MBAJ         ASTUDY ON OSSUMER BUTYNG BEHAVIOR WITH REFERENCE TO APPLE         DIVYA BHARATHI           JTRI9MBAA         ASTUDY ON NEW PRODUCT MARKET POTENTIAL" AT MS SAI PET PRETORMS, IDIVYA BHARATHI           JTRI9MBAA         ASTUDY ON NEW PRODUCT MARKET POTENTIAL" AT MS SAI PET PRETORMS, IDIVYA BHARATHI           JTRI9MBAA         ASTUDY ON NEW PRODUCT MARKET POTENTIAL", AT MS SAI PET PRETORMS, IDIVYA BHARATHI           JTRI9MBAAS         ASTUDY ON NEW PRODUCT MARKET POTENTIAL", AT MS SAI	9				DIVYA BHARATHI	
3TR19MBA12         NAVEEN KUMAR N.S.         A STUDY ON BRAND BECEPTION OF CONSIMER TOWARDS ARVIND FASHION         DIVYA BHARATHI           3TR19MBA17         PAVAN KALYAN         A STUDY ON DRAND BEREEPTION OF CONSIMER TOWARDS SERVICE QUALITY IN INDIAN         DIVYA BHARATHI           3TR19MBA17         PAVAN KALYAN         A STUDY ON DRIE PIECHAL BREATING OF THE CUSTORER WITH SPECIAL         DIVYA BHARATHI           3TR19MBA22         R. KADHAKRISINA         A STUDY ON COURDIN INDISTRY         DIVYA BHARATHI           3TR19MBA32         R. KADHAKRISINA         A STUDY ON COUSTOMER SATISFACTION WITH SPECIAL REFERENCE TO GAYATHIR         DIVYA BHARATHI           3TR19MBA37         RAMESHA         A STUDY ON CONSUMER BUYING BEHAVIOR WITH REFERENCE TO APPLE         DIVYA BHARATHI           3TR19MBA37         RAMESHA         A STUDY ON CONSUMER BUYING BEHAVIOR WITH REFERENCE TO APPLE         DIVYA BHARATHI           3TR19MBA37         TELASHWINI, T         A STUDY ON NEAND AWARINESS WITH SPECIAL REFERENCE TO APPLE         DIVYA BHARATHI           3TR19MBA36         YERRISWAWY B         A STUDY ON NEW PRODUCT MARKET POTENTIAL" AT MS SAI PET PREFORMS.         DIVYA BHARATHI           3TR19MBA36         YERRISWAWY B         A STUDY ON RETAIL RETENTION STRATEGIES WITH REPERENCE TO APPLE         DIVYA BHARATHI           3TR19MBA31         ANNAPURSA         A STUDY ON RETAIL RETENTION STRATEGIES WITH REPERENCE TO FORCE         DIVYA BHARATHI	0			CONSULTANCY SERVICES -BANGALORE	DIVYA BHARATHI	
31R19MBA12       AVELN KUMAR NS       UNLIMITED BRANDS       DIVYA BHARATHI         31R19MBA17       PAVAN KALYAN       ASTUDY GO CONSUMER PRECIEFTION TOWARDS SERVICE QUALITY IN NDIAN         31R19MBA32       R. RADHAKRISHNA       ASTUDY GO RONSUMER PRECIEFTION TOWARDS SERVICE QUALITY IN NDIAN         31R19MBA32       R. RADHAKRISHNA       ASTUDY GO REP (URCHASE BEHAVIOR OF THE CUSTOMER WITH SPECIAL REFERENCE TO NCC URBAN INFRASTRUCTURE LIMITED       DIVYA BHARATHI         31R19MBA34       RAGHUMAHA REDDY, U       ASTUDY GO NO CONSUMER BLAYIGN WITH REFERENCE TO GAYATIR MILK DARY       DIVYA BHARATHI         31R19MBA37       RAMESHA       ASTUDY GO NO CONSUMER BLAYIGN WITH REFERENCE TO GAYATIR MILK DARY       DIVYA BHARATHI         31R19MBA37       RAMESHA       ASTUDY GON REW PRODUCT MARKET POTENTIAL® AT MS SAI PET PREFORMS, HORMATHI       DIVYA BHARATHI         31R19MBA37       TELASHWINLT       ASTUDY ON NEW PRODUCT MARKET POTENTIAL® AT MS SAI PET PREFORMS, HORMATHI       DIVYA BHARATHI         31R19MBA36       VERNISWAWY B       ASTUDY ON NEW PRODUCT MARKET POTENTIAL® AT MS SAI PET PREFORMS, HORMATHI       DIVYA BHARATHI         31R19MBA36       YERRISWAMY B       ASTUDY ON NEW PRODUCT MARKET POTENTIAL® AT MS SAI PET PREFORMS, HORMATHY BETCONG PARAMENCE OF AUTUAL FUTNOS       DIVYA BHARATHI         31R19MBA36       GTRIVENI       ASTUDY ON NEW PRODUCT MARKET POTENTIAL® AT MS SAI PET PREFORMS, HORMATHY BETCONG ANALYSIN ON ANAPARATHI DOUZA       DIVYA	1	3BR19MBA82	MANJUNATHA		DIVYA BHARATHI	
3TR 199MBA31       PAVAN KALYAN       TELECOMMUNICATION INDUSTRY       DIVYA BHARATHL         3TR 199MBA32       R. RADHARISHNA       ASTUDY ON PRE PURCHASE BEHAVIOR OF THE CUSTOMER WITH SPECIAL REFERENCE TO NCC UBBAN INFRASTRUCTURE LIMITED       DIVYA BHARATHL         3TR 199MBA34       RAGHUMAHA REDDY.U       ASTUDY ON CONSUMER SATISFACTION WITH SPECIAL REFERENCE TO GAVATHEI MULYA BHARATHL       DIVYA BHARATHL         3TR 199MBA37       RAMESHA       ASTUDY ON CONSUMER BUYING BEHAVIOR WITH REFERENCE TO APPLE       DIVYA BHARATHL         3TR 199MBA64       VERSIN M       INDUSTRIES       DIVYA BHARATHL       DIVYA BHARATHL         3TR 199MBA64       YERRISWAMY B       ASTUDY ON NEW PRODUCT MARKET POTENTIAL" AT MS SAI PET PREFORMS, HOSPET       DIVYA BHARATHL         3TR 199MBA64       YERRISWAMY B       ASTUDY ON NEW PRODUCT MARKET POTENTIAL" AT MS SAI PET PREFORMS, HOSPET       DIVYA BHARATHL         3BR 199MBA35       GTRIVENI       ASTUDY ON RETAIL RETENTION STRATEGIES WITH REFERENCE TO FMCG       DIVYA BHARATHL         3BR 199MBA35       GTRIVENI       ASTUDY ON RETAIL RETENTION STRATEGIES WITH REFERENCE TO FMCG       DIVYA BHARATHL         3BR 199MBA35       GTRIVENI       AS EMPRICAL ANALYSIS OF BETA STABILTY IN INDIAN STOCK MARKET       D: JANET JYOTHIL DSOUZA         3BR 199MBA35       GTRIVENI       STOCK MARKET PERFORMANCE DURING COVID-19 PANDEMIC       D: JANET JYOTHIL DSOUZA         3TR	2	3TR19MBA12	NAVEEN KUMAR N S	UNLIMITED BRANDS	DIVYA BHARATHI	
TRUMBA22       R. KADHARKISINA       REFERENCE TO NCC UEBAN INFRASTRUCTURE LIMITED       DUYA BHARATHI         TRUMBA34       RAGHUMAHA REDV.U       ASTUDY ON CUSTOMER SATISFACTION WITH SPECIAL REFERENCE WITH SU'YA BHARATHI         TRUMBA37       RAMESHA       ASTUDY ON CONSUMER BUYING BEHAVIOR WITH REFERENCE TO GAYATHRI         TRUMBA71       SURESH M       INDUSTRIES       DUYA BHARATHI         TRUMBA71       TUASHWIN.T       ASTUDY ON NEW PRODUCT MARKET POTENTIAL" AT MS SAI PET PREFORMS, HOSPET       DUYA BHARATHI         TRUMBA71       TUASHWIN.T       ASTUDY ON NEW PRODUCT MARKET POTENTIAL" AT MS SAI PET PREFORMS, HOSPET       DUYA BHARATHI         3BRIJMBA98       YERRISWAMY B       ASTUDY ON NEW PRODUCT MARKET POTENTIAL" AT MS SAI PET PREFORMS, HOSPET       DUYA BHARATHI         3BRIJMBA91       BOYA SARADARA       AN EMPRICAL ANALYSIS OF BETA STABILITY IN INDIAN STOCK MARKET       DI JANET JYOTHII DSOUZA         3BRIJMBA35       GTRIVENI       STOCK MARKET PERFORMANCE OLEVIDA GOVID-19 PANDEMIC       D. JANET JYOTHII DSOUZA         3TRIJMBA34       M. ANNAPURNA       ASTUDY ON FINANCIAL RATIO ANALYSIS AT JINDAL SAW LIMITED, BELLARY       D. JANET JYOTHII DSOUZA         3TRIJMBA35       GTRIVENI       STOCK MARKET PERFORMANCE OLEVIDA GOVID-19 PANDEMIC       D. JANET JYOTHII DSOUZA         3TRIJMBA36       MUNAWAR JAHA S       ASTUDY ON THE IMPACT OF CAPITAL ASTRUCTURE ON PROFITABILITY IN INDIAN PRIVATE	3	3TR19MBA17	PAVAN KALYAN	TELECOMMUNICATION INDUSTRY	DIVYA BHARATHI	
THUMMA34       RACHUMAHA REDDY.U       STELE       DIVYA BHARATHI         3TR19MBA37       RAMESHA       A STUDY ON CONSUMER BUYING BEHAVIOR WITH REFERENCE TO GAYATHRI       DIVYA BHARATHI         3TR19MBA71       SURESH M       ASTUDY ON BRAND AWARENESS WITH SPECIAL REFERENCE TO APPLE       DIVYA BHARATHI         3TR19MBA77       TEIASHWINLT       A STUDY ON NEW PRODUCT MARKET POTENTIAL" AT M/S SAI PET PREFORMS, HOSPET       DIVYA BHARATHI         3TR19MBA64       AISHWARYA BANAGAR       PERFORMANCE OF MUTUAL FUNDS       DIVYA BHARATHI         3BR19MBA04       AISHWARYA BANAGAR       PERFORMANCE OF MUTUAL FUNDS       Dr. JANET YOTHII DSOUZA         3BR19MBA04       AISHWARYA BANAGAR       PERFORMANCE OF MUTUAL FUNDS       Dr. JANET YOTHII DSOUZA         3BR19MBA05       GTRIVENI       STOCK MARKET PERFORMANCE DURING COVID-19 PANDEMIC       Dr. JANET YOTHII DSOUZA         3TR19MBA31       M. ANNAPURNA       A STUDY ON THE IMPACT OF CAPTLAL STRUCTURE ON PROFITABILITY IN INDIAN PRIVATE SECTOR BANKS       Dr. JANET JYOTHII DSOUZA         3TR19MBA05       MUNAWAR JAHA S       ASTUDY ON STOCK MARKET PERFORMANCE DURING CONDOLE IN DURING       Dr. JANET JYOTHII DSOUZA         3TR19MBA16       P.NOMICA       ASTUDY ON STOCK MARKET PERFORMANCE BY USING SHARPE, TREYNOR & BENSON RATIO       Dr. JANET JYOTHII DSOUZA         3TR19MBA16       P.NOMICA       ASTUDY ON STOCK MARKET PERFORMANCE BY USING SHAR	4	3TR19MBA32	R. RADHAKRISHNA	REFERENCE TO NCC URBAN INFRASTRUCTURE LIMITED	DIVYA BHARATHI	
31R09MBA37     RAMESNA     MILK DARY     DUVXA BHARATHI       3TR19MBA71     SURESN M     ASTUDY ON BRAND AWARENESS WITH SPECIAL REFERENCE TO APPLE     DUVXA BHARATHI       3TR19MBA77     TELASHWINLT     ASTUDY ON NEW PRODUCT MARKET POTENTIAL" AT M/S SAI PET PREFORMS, HOSPET     DUVXA BHARATHI       3TR19MBA77     TELASHWINLT     ASTUDY ON NEW PRODUCT MARKET POTENTIAL" AT M/S SAI PET PREFORMS, HOSPET     DUVXA BHARATHI       3TR19MBA76     VERRISWAMY B     A STUDY ON RETAIL REFERITION STRATEGIES WITH REFERENCE TO FMCG     DUVXA BHARATHI       3BR19MBA04     AISHWARYA BANAGAR     PEFORMANCE OF MUTUAL FUNDS     D. JANET JYOTHII DSOUZA       3BR19MBA04     AISHWARYA BANAGAR     PEFORMANCE OF MUTUAL FUNDS     D. JANET JYOTHII DSOUZA       3BR19MBA05     GTRIVENI     STOCK MARKET PERFORMANCE DURING COVID-19 PANDEMIC     D. JANET JYOTHII DSOUZA       3TR19MBA05     MUNAWAR JAHA S     NSTUDY ON FINANCIAL RATIO ANALYSIS AT JINDAL SAW LIMITED, BELLARY     D. JANET JYOTHII DSOUZA       3TR19MBA05     MUNAWAR JAHA S     ASTUDY ON PREDICTING FINANCIAL DISTRESS OF AUTOMOBILE INDUSTRY     D. JANET JYOTHII DSOUZA       3TR19MBA07     MUZAMIL M D     ASTUDY ON PREDICTING FINANCIAL DISTRESS OF AUTOMOBILE INDUSTRY     D. JANET JYOTHII DSOUZA       3TR19MBA16     PNOMICA     ASTUDY ON PREDICTING FINANCIAL DISTRESS OF AUTOMOBILE INDUSTRY     D. JANET JYOTHII DSOUZA       3TR19MBA19     PAVANL V     RN EMPARICAL STUDY ON	5	3TR19MBA34	RAGHUMAHA REDDY .U	STEEL	DIVYA BHARATHI	
31R19MBA/1     DUVYA BHARATHI       31R19MBA/7     TEJASHWINLT     ASTUDY ON NEW PRODUCT MARKET POTENTIAL" AT MS SAI PET PREFORMS. HOSPET     DIVYA BHARATHI       31R19MBA77     TEJASHWINLT     ASTUDY ON RET AIL RETENTION STRATEGIES WITH REFERENCE TO FMCG     DIVYA BHARATHI       31R19MBA86     YERRISWAMY B     A STUDY ON RET AIL RETENTION STRATEGIES WITH REFERENCE TO FMCG     DIVYA BHARATHI       31R19MBA90     AISHWARYA BAAGAR     PERFORMANCE OF MUTUAL FUNDS     Dr. JANET JYOTHII DSOUZA       31R19MBA91     BOYA SARDHAR     AN EMPIRICAL ANALYSIS OF BETA STABILITY IN INDIAN STOCK MARKET     Dr. JANET JYOTHII DSOUZA       31R19MBA93     GTRIVENI     STOCK MARKET PERFORMANCE DURING COVID-19 PANDEMIC     Dr. JANET JYOTHII DSOUZA       31R19MBA93     MUNAWAR JAHA S     ASTUDY ON FINANCIAL RATIO ANALYSIS AT JINDAL SAW LIMITED, BELLARY     Dr. JANET JYOTHII DSOUZA       31R19MBA95     MUNAWAR JAHA S     ASTUDY ON THE IMPACT OF CAPITAL STRUCTURE ON PROFITABILITY IN INDIAN PRIVATE SECTOR BANKS     Dr. JANET JYOTHII DSOUZA       31R19MBA96     MUZAMIL M D     ASTUDY ON NTECK MARKET PERFORMANCE BY USING SHARPE, TREYNOR & PROMICA     Dr. JANET JYOTHII DSOUZA       31R19MBA96     PAVANI. V     AN EMPRICAL STUDY ON CAPITAL ASSET PRICING MODEL IN INDIAN STOCK MARKET     Dr. JANET JYOTHII DSOUZA       31R19MBA03     AFREEN B     ORGANIZATION CHANGES IN THE NEW NORMAL IN PUBLIC SECTOR PROM INDIA     Dr. JANET JYOTHII DSOUZA       31R19MBA03	6	3TR19MBA37	RAMESHA	MILK DAIRY	DIVYA BHARATHI	
3TR 19MBA77     TEJASHWINI.T     HOSPET     DIVYA BHARATHI       3TR 19MBA86     YERRISWAMY B     A STUDY ON RETAIL RETENTION STRATEGIES WITH REFERENCE TO FMCG     DIVYA BHARATHI       3BR 19MBA04     AISHWARYA BANAGAR     PERFORMANCE OF MUTUAL FUNDS     D. JANET JYOTHII DSOUZA       3BR 19MBA04     AISHWARYA BANAGAR     PERFORMANCE OF MUTUAL FUNDS     Dr. JANET JYOTHII DSOUZA       3BR 19MBA05     GTRIVENI     STOCK MARKET PERFORMANCE DURING COVID. 19 PANDEMIC     Dr. JANET JYOTHII DSOUZA       3TR 19MBA05     MUNAWAR JAHA S     ASTUDY ON FINANCIAL RATIO ANALYSIS AT JINDAL SAW LIMITED, BELLARY     Dr. JANET JYOTHII DSOUZA       3TR 19MBA05     MUNAWAR JAHA S     ASTUDY ON FINANCIAL RATIO ANALYSIS AT JINDAL SAW LIMITED, BELLARY     Dr. JANET JYOTHII DSOUZA       3TR 19MBA07     MUZAMIL M D     ASTUDY ON PREDICTING FINANCIAL DISTREESS OF AUTOMOBILE INDUSTRY     Dr. JANET JYOTHII DSOUZA       3TR 19MBA16     P.NOMICA     ASTUDY ON NETCHTING FINANCIAL DISTREESS OF AUTOMOBILE INDUSTRY     Dr. JANET JYOTHII DSOUZA       3TR 19MBA16     P.NOMICA     JENSON RATIO     ASTUDY ON THE DAY OF THE WEK EFFECTED EVIDENCE     Dr. JANET JYOTHII DSOUZA       3TR 19MBA25     PREM TEJ S     AN EMPRICAL STUDY ON CAPITAL ASSET PRICING MODEL IN INDIAN STOCK     Dr. JANET JYOTHII DSOUZA       3TR 19MBA26     PREM TEJ S     AN EMPRICAL STUDY ON CAPITAL ASSET PRICING MODEL IN INDIAN STOCK     Dr. JANET JYOTHII DSOUZA       3TI 19MBA26	7	3TR19MBA71	SURESH M	INDUSTRIES	DIVYA BHARATHI	
3BR 19MBA04         AISHWARYA BANAGAR         PERFORMANCE OF MUTUAL FUNDS         DUVA BHARATHH           3BR 19MBA04         BOYA SARDHAR         AN EMPIRICAL ANALYSIS OF BETA STABILITY IN INDIAN STOCK MARKET         Dr. JANET JYOTHII DSOUZA           3BR 19MBA05         GTRIVENI         STOCK MARKET PERFORMANCE DURING COVID-19 PANDEMIC         Dr. JANET JYOTHII DSOUZA           3TR 18MBA31         M. ANNAPURNA         A STUDY ON FINANCIAL RATIO ANALYSIS AT JINDAL SAW LIMITED. BELLARY         Dr. JANET JYOTHII DSOUZA           3TR 19MBA05         MUNAWAR JAHA S         A STUDY ON FINANCIAL RATIO ANALYSIS AT JINDAL SAW LIMITED. BELLARY         Dr. JANET JYOTHII DSOUZA           3TR 19MBA06         MUNAWAR JAHA S         A STUDY ON THE IMPACT OF CAPITAL STRUCTURE ON PROFITABILITY IN INDIAN PRIVATE SECTOR BANKS         Dr. JANET JYOTHII DSOUZA           3TR 19MBA07         MUZAMIL M D         A STUDY ON THE EMPACT OF CAPITAL STRUCTURE ON PROFITABILITY IN INDIA ATTUAN Z-SCORE         Dr. JANET JYOTHII DSOUZA           3TR 19MBA16         P.NOMICA         A STUDY ON STOCK MARKET PERFORMANCE BY USING SHARPE, TREYNOR & JENSON RATIO         Dr. JANET JYOTHII DSOUZA           3TR 19MBA19         PAVANI. V         AN EMPRICAL STUDY ON THE DAY OF THE WEEK EFFECTED EVIDENCE FROM INDIA         Dr. JANET JYOTHII DSOUZA           3TR 19MBA03         AFREN .B         ORGANIZATION CHANGES IN THE NEW NORMAL IN PUBLIC SECTOR UNDERTAKEN: A SPECIAL DIFFERENCE NMDC - DONIMALAI         Dr. JANET JYOTHII DSOUZA	8	3TR19MBA77	TEJASHWINI.T		DIVYA BHARATHI	
3BR 19MBA19     BOYA SARDHAR     AN EMPIRICAL ANALYSIS OF BETA STABILITY IN INDIAN STOCK MARKET     Dr. JANET JYOTHII DSOUZA       3BR 19MBA35     G.TRIVENI     STOCK MARKET PERFORMANCE DURING COVID-19 PANDEMIC     Dr. JANET JYOTHII DSOUZA       3TR 18MBA31     M. ANNAPURNA     A STUDY ON FINANCIAL RATIO ANALYSIS AT JINDAL SAW LIMITED, BELLARY INDIAN PRIVATE SECTOR BANKS     Dr. JANET JYOTHII DSOUZA       3TR 19MBA05     MUNAWAR JAHA S     ASTUDY ON THE IMPACT OF CAPITAL STRUCTURE ON PROFITABILITY IN INDIAN PRIVATE SECTOR BANKS     Dr. JANET JYOTHII DSOUZA       3TR 19MBA07     MUZAMIL M D     ASTUDY ON PREDICTING FINANCIAL DISTREESS OF AUTOMOBILE INDUSTRY USING ALTMAN Z.SCORE     Dr. JANET JYOTHII DSOUZA       3TR 19MBA16     P.NOMICA     ASTUDY ON THE DAY OF THE WEEK EFFECTED EVIDENCE FROM INDIA     Dr. JANET JYOTHII DSOUZA       3TR 19MBA29     PAVANI. V     AN EMPARICAL STUDY ON THE DAY OF THE WEEK EFFECTED EVIDENCE FROM INDIA     Dr. JANET JYOTHII DSOUZA       3TR 19MBA33     AFREEN .B     ORGANIZATION CHANGES IN THE NEW NORMAL IN PUBLIC SECTOR UNDERTAKEN: A SPECIAL DIFFERENCE ANDC - DONIMALI     Dr. JANET JYOTHII DSOUZA       3BR 19MBA03     AFREEN .B     ORGANIZATION CHANGES IN THE NEW NORMAL IN PUBLIC SECTOR UNDERTAKEN: A SPECIAL DIFFERENCE ANDC - DONIMALI     Dr. B. ANUPAMA       3BR 19MBA03     AFREEN .B     ORGANIZATION CHANGES IN THE NEW NORMAL IN PUBLIC SECTOR UNDERTAKEN: A SPECIAL DIFFERENCE ANDC - DONIMALI     Dr. B. ANUPAMA       3BR 19MBA04     AKHILA.N     THE IMPACT OF COVID-19	9					
Jake         Def         Def         Jake 1 yrOthil DSOUZA           3BR19MBA35         G.TRIVENI         STOCK MARKET PERFORMANCE DURING COVID-19 PANDEMIC         Dr. JANET JYOTHII DSOUZA           3TR18MBA31         M. ANNAPURNA         A STUDY ON FINANCIAL RATIO ANALYSIS AT JINDAL SAW LIMITED, BELLARY         Dr. JANET JYOTHII DSOUZA           3TR19MBA05         MUNAWAR JAHA S         A STUDY ON THE IMPACT OF CAPITAL STRUCTURE ON PROFITABILITY IN INDIAN PRIVATE SECTOR BANKS         Dr. JANET JYOTHII DSOUZA           3TR19MBA07         MUZAMIL M D         A STUDY ON PREDICTING FINANCIAL DISTREESS OF AUTOMOBILE INDUSTRY USING ALTMAN Z-SCORE         Dr. JANET JYOTHII DSOUZA           3TR19MBA16         P.NOMICA         A STUDY ON STOCK MARKET PERFORMANCE BY USING SHARPE, TREYNOR & JENSON RATIO         Dr. JANET JYOTHII DSOUZA           3TR19MBA19         PAVANI. V         AN EMPARICAL STUDY ON THE DAY OF THE WEEK EFFECTED EVIDENCE FORM INDIA         Dr. JANET JYOTHII DSOUZA           3TR19MBA25         PREM TEJ S         AN EMPARICAL STUDY ON CAPITAL ASSET PRICING MODEL IN INDIAN STOCK MARKET         Dr. JANET JYOTHII DSOUZA           3BR19MBA03         AFREEN .B         ORGANIZATION CHANGES IN THE NEW NORMAL IN PUBLIC SECTOR UNDERTAKEN: A SPECIAL DIFFERENCE MDC - DORIMALAI         Dr. JANET JYOTHII DSOUZA           3BR19MBA03         AFREEN .B         ORGANIZATION CHANGES IN THE NEW NORMAL IN PUBLIC SECTOR UNDERTAKEN: A SPECIAL DIFFERENCE NDC - DORIMALAI         Dr.B. ANUPAMA	0				Dr. JANET JYOTHII DSOUZA	
3TR18MBA31       M. ANNAPURNA       A STUDY ON FINANCIAL RATIO ANALYSIS AT JINDAL SAW LIMITED, BELLARY       Dr. JANET JYOTHII DSOUZA         3TR19MBA05       MUNAWAR JAHA S       A STUDY ON THE IMPACT OF CAPITAL STRUCTURE ON PROFITABILITY IN INDIAN PRIVATE SECTOR BANKS       Dr. JANET JYOTHII DSOUZA         3TR19MBA07       MUZAMIL M D       A STUDY ON PREDICTING FINANCIAL DISTREESS OF AUTOMOBILE INDUSTRY USING ALTMAN Z-SCORE       Dr. JANET JYOTHII DSOUZA         3TR19MBA16       P.NOMICA       A STUDY ON STOCK MARKET PERFORMANCE BY USING SHARPE, TREYNOR & JENSON RATIO       Dr. JANET JYOTHII DSOUZA         3TR19MBA19       PAVANI. V       AN EMPARICAL STUDY ON THE DAY OF THE WEEK EFFECTED EVIDENCE FROM INDIA       Dr. JANET JYOTHII DSOUZA         3TR19MBA25       PREM TEJ S       AN EMPARICAL STUDY ON CAPITAL ASSET PRICING MODEL IN INDIAN STOCK MARKET       Dr. JANET JYOTHII DSOUZA         3BR19MBA03       AFREEN .B       ORGANIZATION CHANGES IN THE NEW NORMAL IN PUBLIC SECTOR MARKET       Dr. JANET JYOTHII DSOUZA         3BR19MBA08       AKHILA.N       THE IMPACT OF H PRACTICES AND POLICES OF EMPLOYEE PERFORMANCE AT KIRLOSKAR FERROUS INDUSTRIES LIMITED       Dr. B. ANUPAMA         3BR19MBA11       AMITHA       A STUDY ON, THE IMPACT OF COVID-19 LOCKDOWN ON TECHNOLOGY ADOPTION AND INNOVATION AT SPRINTZEAL PRIVATE LIMITED       Dr.B. ANUPAMA         3BR19MBA13       ANJALI       A STUDY ON, LABOUR WELFARE MEASURES OF UNORGANISED LABOURERS IN BELLARY CITY       Dr.B. ANUPAMA	1 2					
3TR19MBA05       MUNAWAR JAHA S       A STUDY ON THE IMPACT OF CAPITAL STRUCTURE ON PROFITABILITY IN INDIAN PRIVATE SECTOR BANKS       Dr. JANET JYOTHII DSOUZA         3TR19MBA07       MUZAMIL M D       A STUDY ON PREDICTING FINANCIAL DISTREESS OF AUTOMOBILE INDUSTRY USING ALTMAN Z-SCORE       Dr. JANET JYOTHII DSOUZA         3TR19MBA16       P.NOMICA       A STUDY ON ON PREDICTING FINANCIAL DISTREESS OF AUTOMOBILE INDUSTRY USING ALTMAN Z-SCORE       Dr. JANET JYOTHII DSOUZA         3TR19MBA16       P.NOMICA       A STUDY ON TOCK MARKET PERFORMANCE BY USING SHARPE, TREYNOR & TENSON RATIO       Dr. JANET JYOTHII DSOUZA         3TR19MBA19       PAVANI. V       AN EMPARICAL STUDY ON THE DAY OF THE WEEK EFFECTED EVIDENCE FROM INDIA       Dr. JANET JYOTHII DSOUZA         3TR19MBA25       PREM TEJ S       AN EMPARICAL STUDY ON CAPITAL ASSET PRICING MODEL IN INDIAN STOCK MARKET       Dr. JANET JYOTHII DSOUZA         3BR19MBA03       AFREEN .B       ORGANIZATION CHANGES IN THE NEW NORMAL IN PUBLIC SECTOR UNDERTAKEN: A SPECIAL DIFFERENCE NMDC - DONIMALAI       Dr.B. ANUPAMA         3BR19MBA08       AKHILA.N       THE IMPACT OF COVID-19 LOCKDOW ON TECHNOLOGY ADOPTION AND INNOVATION AT SPRINTZEAL PRIVATE LIMITED       Dr.B. ANUPAMA         3BR19MBA11       AMITHA       A STUDY ON, LEABOUR SOF ON ON GARISED LABOURERS IN BELLARY CITY       Dr.B. ANUPAMA         3BR19MBA18       B.KEERTHANA       A STUDY ON, LABOUR WELFARE MEASURES OF UNORGANISED LABOURERS IN BELLARY CI	3					
3TR19MBA07       MUZAMIL M D       A STUDY ON PREDICTING FINANCIAL DISTREESS OF AUTOMOBILE INDUSTRY USING ALTMAN Z-SCORE       Dr. JANET JYOTHII DSOUZA         3TR19MBA16       P.NOMICA       A STUDY ON STOCK MARKET PERFORMANCE BY USING SHARPE, TREYNOR & JENSON RATIO       Dr. JANET JYOTHII DSOUZA         3TR19MBA19       PAVANI. V       AN EMPARICAL STUDY ON THE DAY OF THE WEEK EFFECTED EVIDENCE FROM INDIA       Dr. JANET JYOTHII DSOUZA         3TR19MBA25       PREM TEJ S       AN EMPARICAL STUDY ON CAPITAL ASSET PRICING MODEL IN INDIAN STOCK MARKET       Dr. JANET JYOTHII DSOUZA         3BR19MBA03       AFREEN .B       ORGANIZATION CHANGES IN THE NEW NORMAL IN PUBLIC SECTOR UNDERTAKEN: A SPECIAL DIFFRENCE NMDC - DONIMALAI       Dr.B. ANUPAMA         3BR19MBA08       AKHILA.N       THE IMPACT OF HR PRACTICES AND POLICES OF EMPLOYEE PERFORMANCE AT KIRLOSKAR FERROUS INDUSTRIES LIMITED       Dr.B. ANUPAMA         3BR19MBA11       AMITHA       ASTUDY ON WELFARE MEASURES OF UNORGANISED LABOURERS IN BELLARY CITY       Dr.B. ANUPAMA         3BR19MBA13       ANJALI       A STUDY ON WELFARE MEASURES OF UNORGANISED LABOURERS IN BELLARY CITY       Dr.B. ANUPAMA         3BR19MBA21       D. LAVANYA       EMPLOYEE HEALTH SAFETY & WELFARE MEASURES AT JSW STEELS LIMITED Dr.B. ANUPAMA       Dr.B. ANUPAMA         3BR19MBA22       D. PRADEEP KUMAR       A STUDY ON EMPLOYER BRANDING ON FMCG SECTOR WELFARE       Dr.B. ANUPAMA         3BR19MB	4	3TR19MBA05	MUNAWAR JAHA S			
3TR 19MBA16       P.NOMICA       A STUDY ON STOCK MARKET PERFORMANCE BY USING SHARPE, TREYNOR & JENSON RATIO         3TR 19MBA19       PAVANI, V       AN EMPARICAL STUDY ON THE DAY OF THE WEEK EFFECTED EVIDENCE FROM INDIA       Dr. JANET JYOTHII DSOUZA         3TR 19MBA25       PREM TEJ S       AN EMPIRICAL STUDY ON CAPITAL ASSET PRICING MODEL IN INDIAN STOCK MARKET       Dr. JANET JYOTHII DSOUZA         3BR 19MBA03       AFREEN .B       ORGANIZATION CHANGES IN THE NEW NORMAL IN PUBLIC SECTOR UNDERTAKEN: A SPECIAL DIFFERENCE NMDC - DONIMALAI       Dr. B. ANUPAMA         3BR 19MBA08       AKHILA.N       THE IMPACT OF HR PRACTICES AND POLICES OF EMPLOYEE PERFORMANCE AT KIRLOSKAR FERROUS INDUSTRIES LIMITED       Dr. B. ANUPAMA         3BR 19MBA11       AMITHA       A STUDY ON, WELFARE MEASURES OF UNORGANISED LABOURERS IN BEILINARY DR. ASTUDY ON WELFARE MEASURES OF UNORGANISED LABOURERS IN BEILARY CITY       Dr. B. ANUPAMA         3BR 19MBA13       ANJALI       BELLARY CITY       Dr. B. ANUPAMA         3BR 19MBA18       B.KEERTHANA       A STUDY ON, LABOUR WELFARE MEASURES OF UNORGANISED LABOURERS IN BEILARY CITY       Dr. B. ANUPAMA         3BR 19MBA21       D. LAVANYA       EMPLOYEE HEALTH SAFETY & WELFARE MEASURES AT JSW STEELS LIMITED Dr. B. ANUPAMA       Dr. B. ANUPAMA         3BR 19MBA22       D. PRADEEP KUMAR       A STUDY ON EMPLOYEE BRANDING ON FMCG SECTOR       Dr. B. ANUPAMA         3BR 19MBA24       DHANUJA SUNKARAVALLI       A STUDY ON EMPLOYE	5	3TR19MBA07	MUZAMIL M D	A STUDY ON PREDICTING FINANCIAL DISTREESS OF AUTOMOBILE INDUSTRY		
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3BR19MBA08       AKHILA.N       THE IMPACT OF HR PRACTICES AND POLICES OF EMPLOYEE PERFORMANCE AT KIRLOSKAR FERROUS INDUSTRIES LIMITED       Dr.B. ANUPAMA         3BR19MBA11       AMITHA       A STUDY ON, THE IMPACT OF COVID-19 LOCKDOWN ON TECHNOLOGY ADOPTION AND INNOVATION AT SPRINTZEAL PRIVATE LIMITED       Dr.B. ANUPAMA         3BR19MBA13       ANJALI       A STUDY ON WELFARE MEASURES OF UNORGANISED LABOURERS IN BELLARY CITY       Dr.B. ANUPAMA         3BR19MBA18       B.KEERTHANA       A STUDY ON, LABOUR WELFARE MEASURES       Dr.B. ANUPAMA         3BR19MBA21       D. LAVANYA       EMPLOYEE HEALTH SAFETY & WELFARE MEASURES AT JSW STEELS LIMITED WELFARE MEASURES AT JSW STEELS LIMITED       Dr.B. ANUPAMA         3BR19MBA22       D. PRADEEP KUMAR       A STUDY ON EMPLOYEE BRANDING ON FMCG SECTOR       Dr.B. ANUPAMA         3BR19MBA24       DHANUJA SUNKARAVALLII       ASTUDY ON EMPLOYEE SATISFACTION ON THE BASIS OF SALARY AND WELFARE       Dr.B. ANUPAMA         3BR19MBA25       DHARANI R C       ASTUDY ON RECRUITMENT AND SELECTION AT APPLE INDUSTRIES       Dr.B. ANUPAMA	9	3BR19MBA03	AFREEN .B	ORGANIZATION CHANGES IN THE NEW NORMAL IN PUBLIC SECTOR		
3BR19MBA11       AMITHA       A STUDY ON, THE IMPACT OF COVID-19 LOCKDOWN ON TECHNOLOGY ADOPTION AND INNOVATION AT SPRINTZEAL PRIVATE LIMITED       Dr.B. ANUPAMA         3BR19MBA13       ANJALI       A STUDY ON WELFARE MEASURES OF UNORGANISED LABOURERS IN BELLARY CITY       Dr.B. ANUPAMA         3BR19MBA18       B.KEERTHANA       A STUDY ON, LABOUR WELFARE MEASURES       Dr.B. ANUPAMA         3BR19MBA21       D. LAVANYA       EMPLOYEE HEALTH SAFETY & WELFARE MEASURES AT JSW STEELS LIMITED 3BR19MBA22       D. PRADEEP KUMAR       A STUDY ON EMPLOYER BRANDING ON FMCG SECTOR       Dr.B. ANUPAMA         3BR19MBA24       DHANUJA SUNKARAVALLI A STUDY ON EMPLOYEE SATISFACTION ON THE BASIS OF SALARY AND WELFARE       Dr.B. ANUPAMA         3BR19MBA25       DHARANI R C       ASTUDY ON RECRUITMENT AND SELECTION AT APPLE INDUSTRIES       Dr.B. ANUPAMA	0	3BR19MBA08	AKHILA.N	THE IMPACT OF HR PRACTICES AND POLICES OF EMPLOYEE PERFORMANCE		
3BR19MBA13       ANJALI       A STUDY ON WELFARE MEASURES OF UNORGANISED LABOURERS IN BELLARY CITY       Dr.B. ANUPAMA         3BR19MBA18       B.KEERTHANA       A STUDY ON, LABOUR WELFARE MEASURES       Dr.B. ANUPAMA         3BR19MBA21       D. LAVANYA       EMPLOYEE HEALTH SAFETY & WELFARE MEASURES AT JSW STEELS LIMITED 3BR19MBA22       Dr.B. ANUPAMA         3BR19MBA22       D. PRADEEP KUMAR       A STUDY ON EMPLOYEE BRANDING ON FMCG SECTOR       Dr.B. ANUPAMA         3BR19MBA24       DHANUJA SUNKARAVALLI BHANUJA SUNKARAVALLI       A STUDY ON EMPLOYEE SATISFACTION ON THE BASIS OF SALARY AND WELFARE       Dr.B. ANUPAMA         3BR19MBA25       DHARANI R C       A STUDY ON RECRUITMENT AND SELECTION AT APPLE INDUSTRIES       Dr.B. ANUPAMA         3BR19MBA31       G AKHIJ ESH       A STUDY ON IMPACT OF TRAINING AND DEVELOPMENT OF EMPLOYEES ON       Dr.B. ANUPAMA	1	3BR19MBA11	AMITHA	A STUDY ON, THE IMPACT OF COVID-19 LOCKDOWN ON TECHNOLOGY		
BELLARY CITY       Dr.B. ANUPAMA         3BR19MBA18       B.KEERTHANA       A STUDY ON, LABOUR WELFARE MEASURES       Dr.B. ANUPAMA         3BR19MBA21       D. LAVANYA       EMPLOYEE HEALTH SAFETY & WELFARE MEASURES AT JSW STEELS LIMITED       Dr.B. ANUPAMA         3BR19MBA22       D. PRADEEP KUMAR       A STUDY ON EMPLOYEE BRANDING ON FMCG SECTOR       Dr.B. ANUPAMA         3BR19MBA24       DHANUJA SUNKARAVALLI       A STUDY ON EMPLOYEE SATISFACTION ON THE BASIS OF SALARY AND WELFARE       Dr.B. ANUPAMA         3BR19MBA25       DHARANI R C       A STUDY ON RECRUITMENT AND SELECTION AT APPLE INDUSTRIES       Dr.B. ANUPAMA         3BR19MBA31       G AKHIJ ESH       A STUDY ON IMPACT OF TRAINING AND DEVELOPMENT OF EMPLOYEES ON       Dr.B. ANUPAMA		3BR19MBA13	ANJALI	A STUDY ON WELFARE MEASURES OF UNORGANISED LABOURERS IN		
3BR19MBA21       D. LAVANYA       EMPLOYEE HEALTH SAFETY & WELFARE MEASURES AT JSW STEELS LIMITED       Dr.B. ANUPAMA         3BR19MBA22       D. PRADEEP KUMAR       A STUDY ON EMPLOYER BRANDING ON FMCG SECTOR       Dr.B. ANUPAMA         3BR19MBA24       DHANUJA SUNKARAVALLI       A STUDY ON EMPLOYEE SATISFACTION ON THE BASIS OF SALARY AND WELFARE       Dr.B. ANUPAMA         3BR19MBA25       DHARANI R C       ASTUDY ON RECRUITMENT AND SELECTION AT APPLE INDUSTRIES       Dr.B. ANUPAMA         3BR19MBA31       G AKHIJ ESH       A STUDY ON IMPACT OF TRAINING AND DEVELOPMENT OF EMPLOYEES ON       Dr.B. ANUPAMA	2 3					
3BR19MBA22       D. PRADEEP KUMAR       A STUDY ON EMPLOYER BRANDING ON FMCG SECTOR       Dr.B. ANUPAMA         3BR19MBA24       DHANUJA SUNKARAVALLI       A STUDY ON EMPLOYEE SATISFACTION ON THE BASIS OF SALARY AND WELFARE       Dr.B. ANUPAMA         3BR19MBA25       DHARANI R C       ASTUDY ON RECRUITMENT AND SELECTION AT APPLE INDUSTRIES       Dr.B. ANUPAMA         3BR19MBA31       G AKHILESH       A STUDY ON IMPACT OF TRAINING AND DEVELOPMENT OF EMPLOYEES ON       Dr.B. ANUPAMA	4					
3BR 19MBA24     DHANUJA SUNKARAVALLI     WELFARE     Dr.B. ANUPAMA       3BR 19MBA25     DHARANI R C     ASTUDY ON RECRUITMENT AND SELECTION AT APPLE INDUSTRIES     Dr.B. ANUPAMA       3BR 19MBA31     G AKHIJ ESH     A STUDY ON IMPACT OF TRAINING AND DEVELOPMENT OF EMPLOYEES ON     Image: Constraint of the second	4 5	3BR19MBA22	D. PRADEEP KUMAR			
3BR19MBA25     DHARANI R C     ASTUDY ON RECRUITMENT AND SELECTION AT APPLE INDUSTRIES     Dr.B. ANUPAMA       3BR19MBA31     G AKHILESH     A STUDY ON IMPACT OF TRAINING AND DEVELOPMENT OF EMPLOYEES ON	6	3BR19MBA24	DHANUJA SUNKARAVALLI		Dr.B. ANUPAMA	
I3BR 19MBA31 I IG AK HILESH	7	3BR19MBA25	DHARANI R C	ASTUDY ON RECRUITMENT AND SELECTION AT APPLE INDUSTRIES		
	8	3BR19MBA31	G AKHILESH		Dr.B. ANUPAMA	

#### Ballari Institute of Technology and Management(BITM),Ballari. Department of Management Studies (MBA) Project List with Title 18MBAPR407

	Project List with Title 18MBAPR407							
SNo	USN of the Student	Student Title of the Project		Name of the Guide(in CAPITAL LETTERS)				
49	3BR19MBA36	G. VENKAT HARISH	A STUDY ON WORK LIFE BALANCE AT WISDOM IT SERVICES PRIVATE LIMITED, HYDERABAD	Dr.B. ANUPAMA				
50	3BR19MBA42	H S SUMA	PERFORMANCE APPRAISAL SYSTEM AT CLOUT BUSINESS NETWORK LIMITED	Dr.B. ANUPAMA				
51	3BR19MBA86	PUJITHA D	EFFECTIVENESS OF HEALTH AND SAFETY MEASURES OF EMPLOYEES AT KALATHIL BROTHERS CONSTRUCTION CO. PVT. LTD	Dr.B. ANUPAMA				
52	3TR19MBA09	N.SRI VIDYA LAKSHMI	A STUDY ON EFFECTIVENESS OF GRIEVANCE HANDLING MECHANISM AT UNITECH CONCRETE	Dr.B. ANUPAMA				
53	3TR19MBA45	RESHMITHA GULLAPALI	SATISFACTION LEVEL OF EMPLOYEES TOWARDS HR POLICIES AND PROCEDURES IN KGR INDUSTRIES	Dr.B. ANUPAMA				
54	3TR19MBA49	SABA KOUSER	A STUDY ON EMPLOYEE RELATIONSHIP MANAGEMENT AT SRI HARI SPONGE LLP, RAMPUR	Dr.B. ANUPAMA				
55	3TR19MBA52	SAGAR.R	A STUDY ON EVALUATING EFFECTIVENESS TRAINING AND DEVELOPMENT WITH EMPLOYEES SPECIAL REFERENCE TO AUTOMOBILE INDUSTRY	Dr.B. ANUPAMA				
56	3TR19MBA53	SAHANA R K	A STUDY ON PROMOTION AND REWARD POLICY WITH SPECIAL REFERENCE TO IT INDUSTRY	Dr.B. ANUPAMA				
57 58	3TR19MBA64 3TR19MBA65	SHRUTHI SINDHU. M	A STUDY ON EMPLOYEE MOTIVATION IN BANKING SECTOR DETERMINANTS OF TEAMWORK AT ILACS TECHNOLOGIES BANGALORE	Dr.B. ANUPAMA Dr.B. ANUPAMA				
0	3TR19MBA66	SOWMYA VP	A STUDY ON EMPLOYEE SATISFACTION TOWARDS WORKING ENVIORNMENT					
59 50	3TR19MBA67	RC SHREELATHA	IN FOOD INDUSTRY SITUATED AT BALLARI A STUDY ON RECRUITMENT AND SELECTION AT VIJAYSHREE RESORT	Dr.B. ANUPAMA Dr.B. ANUPAMA				
51	3BR17MBA31	K SAI CHARAN	ACCEPTANCE AND ADAPTABILITY OF LEARNING MANAGEMENT SYSTEM IN AN ORGANIZATION	Dr.CHRISTOPHER RAJ				
52	3BR18MBA44	MAREGOWDA. K	A STUDY ON EVALUATION OF CONSUMER SATISFACTION TOWARDS THE GILLETTE PRODUCTS AT BALLARI CITY	Dr.CHRISTOPHER RAJ				
53	3BR19MBA16	ARUN NAYAKA. J	THE EVALUATION OF CUSTOMERS PERCEPTION TOWARDS WRIST WATCHES IN BALLARI CITY	Dr.CHRISTOPHER RAJ				
54	3BR19MBA20	CHITTURI PRAVEEN	A STUDY OF CUSTOMER SATISFACTION TOWARDS BRANDED FOOTWEARS IN HOSPET	Dr.CHRISTOPHER RAJ				
	3BR19MBA26	DURGA PRASAD. G	A STUDY ON DEALER SATISFACTION WITH SPECIAL REFERENCE TO					
55			ULTRATECH CEMENT, KOPPAL EVALUATION OF CUSTOMER PERCEPTION TOWORDS TWO WHEELER BIKE IN	Dr.CHRISTOPHER RAJ				
56 57	3BR19MBA27 3BR19MBA43	DURUGAPPA. H H.SWETHA	THE CITY BALLARI A STUDY ON CONSUMER PERCEPTION ON THE HERBAL PRODUCTS	Dr.CHRISTOPHER RAJ Dr.CHRISTOPHER RAJ				
	3BR19MBA45	HANUMESH	THE EVALUATION OF CUSTOMER PERCEPTION TOWARDS PERFUMES IN CITY					
58 59	3BR19MBA46	HARISH. L	OF BALLARI A STUDY ON BRAND LOYALTY PROGRAMMERS TO ATTRACT THE CUSTOMER A CASE OF BALLARI CITY	Dr.CHRISTOPHER RAJ Dr.CHRISTOPHER RAJ				
	3TR18MBA29	KUMARASWAMY KANNI	A STUDY ON CONSUMER SATISFACTION WITH SPECIAL REFERENCE TO MORE					
70	3TR19MBA15	OM KRISHNA. A	RETAIL LIMITED A STUDY ON CUSTOMER SATISFACTION OF MAHESH POLYMERS PVC PIPES	Dr.CHRISTOPHER RAJ				
<u>'1</u>	3TR19MBA22	POONAM JANGID	A STUDY ON CUSTOMER SATISFACTION AT SHREE FORGINGS- BANGALORE	Dr.CHRISTOPHER RAJ				
2	3TR19MBA28	PRUTHVI. S	A STUDY ON CUSTOMER EVALUATION IN FERTILIZERS AND PESTICIDES	Dr.CHRISTOPHER RAJ				
73	3TR19MBA29	PUTTAGUNTA PRADEEP	BALLARI REGION A STUDY ON CUSTOMER RELATIONSHIP MANAGEMENT AT BISLERI	Dr.CHRISTOPHER RAJ				
74	3TR19MBA30		INTERNATIONAL PVT.LTD, BANGALORE	Dr.CHRISTOPHER RAJ				
75		R. G. TRIVENI	EVALUTING BRAND AWEARNESS OF COSMETIC PRODUCTS AMONG WOMEN A STUDY ON THE ROLE OF CONSUMER EXPERIENCE TOWARDS THE	Dr.CHRISTOPHER RAJ				
76	3TR19MBA31	R. PRAJWAL GOWDA	DESTINATION LOYALTY AT VIJAYSHREE HOTEL A STUDY ON CUSTOMER SATISFACTION WITH HALLEY'S BLUE STEEL	Dr.CHRISTOPHER RAJ				
17	3TR19MBA41	RAVI KUMAR	INDUSTRY	Dr.CHRISTOPHER RAJ				
78	3BR19MBA01	A NEELAKANTA	A STUDY ON INVESTORS BEHAVIOUR TOWARDS MUTUAL FUNDS DURING COVID -19	Dr.SHAHEEDA BANU S				
'9	3BR19MBA02	A PAVAN KUMAR	COMPARATIVE STUDY ON STREAMING SERVICES NETFLIX AND AMAZON PRIME VIDEO	Dr.SHAHEEDA BANU S				
30	3BR19MBA05	AISHWARYA K	A STUDY OF PERCEPTION ON EFFECT OF ONLINE ADVERTISEMENT OF CONSUMER	Dr.SHAHEEDA BANU S				
81	3BR19MBA06	AKASH GUPTA	A STUDY ON CONSUMER PREFERENCE TOWARDS ORGANIC PRODUCTS	Dr.SHAHEEDA BANU S				
32	3BR19MBA09 3BR19MBA12	AMBRESH MG ANGADI BASAVARAJU	A STUDY ON PERCIPTION OF RETAILERS TOWORDS OF VARMORA TILES OPINION OF CONSUMER ON RETURN ON INVESTMENT (ROI) OF MUTUAL	Dr.SHAHEEDA BANU S				
33	3BR19MBA80	MALLIKARJUN	FUNDS OF NIPPON INDIA MUTUAL FUNDS A STUDY ON CUSTOMER RELATIONSHIP MANAGEMENT TOWARDS KIRLOSKAR PRODUCTS AT KOPPAL	Dr.SHAHEEDA BANU S Dr.SHAHEEDA BANU S				
	3TR18MBA69	SOUMYA SHETTY	A STUDY OF NETWORK MARKETING THE FUTURE WORLD COMPANIES WITH SPECIAL REFERENCE TO AMWAY, ORIFLAME, MODICARE, DA-BANK, VESTIGE					
35	3TR19MBA01	MD MEHABOOB BASHA B	AVAILIABILITY OF FACTORS OF PRODUCTION DURING COVID PANDEMIC	Dr.SHAHEEDA BANU S				
36 37	3TR19MBA02	SHAVIKA .MEDA	SUITATION (ESPECIALLY LABOURS OUR RAW MATERIALS) A STUDY ON CUSTOMER PREFERENCE TOWARDS HAIR CONDITIONERS	Dr.SHAHEEDA BANU S Dr.SHAHEEDA BANU S				
38	3TR19MBA03	MEGHA S	A STUDY ON SUPPLY CHAIN MANAGEMENT ON JSW STEELS LTD A STUDY ON STRATEGIC REVIEWS OF DOCTORS TO PRESCRIBE RICHFIELD	Dr.SHAHEEDA BANU S				
39	3TR19MBA04	MOHAMMAD S	PRODUCTS (TABLETS) CUSTOMER PREFERENCE AND SATISFACTION LEVEL TOEARDS AFTER SHAVE	Dr.SHAHEEDA BANU S				
90	3TR19MBA06	MUSHEER AHMED	PRODUCT A STUDY ON SALES RETURN ON PURCHASE DURING COVID -19 IN D-	Dr.SHAHEEDA BANU S				
91	3TR19MBA08	N PAVAN KUMAR REDDY	MART, BANGALORE	Dr.SHAHEEDA BANU S				
92	3TR19MBA10 3TR19MBA13	NANDINI.D NEELGAL NIKHIL KUMAR	CONSUMER ATTITUDE TOWARDS AMUL PRODUCTS A STUDY ON PRODUCT PACKING A VITAL CRITERIA FOR CONSUMER BUYING	Dr.SHAHEEDA BANU S				
93		REDDY	AT HERITAGE FOODS PVT LTD, HYDERABAD A STUDY ON FIVE DIMENSIONS OF SERVICE QUALITY WITH SPECIAL	Dr.SHAHEEDA BANU S				
94	3TR19MBA11	NAVEEN KUMAR	REFRENCE TO APOLLO HOSPITALS A STUDY ON TEACHER JOB SATISFACTION WITH REFERENCE TO BELLARI	Dr.SHAHEEDA BANU.S				
95	3BR18MBA05	ARSHIYA	CITY	Immaculate Joseph Keerthika				

#### Ballari Institute of Technology and Management(BITM),Ballari. Department of Management Studies (MBA)

	Project List with Title 18MBAPR407							
SNo	USN of the Student	Name of the student	Title of the Project	Name of the Guide(in CAPITAL LETTERS)				
96	3BR18MBA56	POOJA PALLEDA	IMPACT OF JOB SATISFACTION ON EMPLOYEE PERFORMANCE WITH REFERENCE TO SCAN STEEL LTD, BELLARY.	KAVITA A				
97	3BR19MBA38	GANDHAM KALYANI	HAPPINESS INDEX OF MBA STUDENTS	KAVITA A				
98	3BR19MBA50	HONNURUSAB P	STUDY ON SOCIO- ECONOMIC CONDITION OF GINNING LABORS- A CASE OF BALLARI CITY.	KAVITA A				
<del>70</del> <del>7</del> 9	3BR19MBA51	HUSSAIN BASHA F	EMPLOYEE ABSENTEEISM AT BMM ISPAT LTD., HOSPET	KAVITA A				
100	3BR19MBA52	I V NIRMAL	EMPLOYEE RETENTION AT BLITZ TECHNOLOGY, BANGALORE.	KAVITA A				
	3BR19MBA55	JAFFRI KHATOON	EMPLOYEE MOTIVATION AT VRKP SPONGE & POWERPLANT LLP, BALLARI					
101 102	3BR19MBA62	K. VIJAYALAKSHMI	PERFORMANCE APPRAISAL IN BANKING SECTOR	KAVITA A KAVITA A				
102	3BR19MBA65	SHRAVANI KARADE	TRAINING AND DEVELOPMENT AND EMPLOYEE EFFICIENCY A CASE STUDY OF BANKING SECTOR	KAVITA A				
104	3BR19MBA67	KARUTURI THANMAYI	WORK LIFE BALANCE ON HOSPITAL, BALLARI	KAVITA A				
	3BR19MBA84	M SATHYA NARAYANA	EFFECTIVENESS OF RECRUITMENT AND SELECTION AT VMD TECH SYSTEMS					
105 106	3BR19MBA85	M.S. PRIYANKA	PVT.,LTD., BANGALORE JOB SATISFACTIOM OF HOTEL EMPLOYEES, BALLARI.	KAVITA A KAVITA A				
100	3TR19MBA20	POOJA M	A STUDY ON EMPLOYEES WORKLIFE BALANCE AT K.K.R.T.C, BALLARI.	KAVITA A				
	3TR19MBA21	POOJITHA. P	EMPLOYEE MOTIVATION FOR BETTER PERFORMANCE AT SHREE					
108	511(1)1111121		VENKATESWARA SPONGE & POWER PVT, LTD., BALLARI.	KAVITA A				
109	3TR19MBA35	RAJESHWARI. M	A STUDY ON JOB SATISFACTION AT MONARCH NETWORTH CAPITAL LTD., HYDERABAD. KNOWLEDGE MANAGEMENT SYSTEM AT VASUNDHARA AUTOMATION ENGG.	KAVITA A				
110	3TR19MBA40	RASHMI B	SERVICES AT BANGALORE	KAVITA A				
111	3TR19MBA44	REKHA B	EMPLOYEE ENGAGEMENT AT SMIORE LTD., SANDUR	KAVITAA				
	3TR19MBA54	SEEMA	A STUDY ON STRESS MANAGEMENT WITH RESPECT TO SCHOOL TEACHERS					
112				KAVITA A				
113	3TR19MBA63	SHRAVANI S	IMPACT OF WORKPLACE ENVIRONMENT ON EMPLOYEE PRODUCTIVITY WITH REFERENCE TO CF FOODS PVT. LTD., HOSPET	KAVITA A				
114	3TR19MBA74	SWATHI L	EMPLOYEE SATISFACTION AT INDIGO BLUES, BANGLORE.	KAVITA A				
115	3TR19MBA76	TEJASHWINI.N	EMPLOYEE ENGAGEMENT AT ACCENT SOFTWARES, BANGALORE	KAVITA A				
116	3TR19MBA80	V S MONIKA	EMPLOYEE RETENTION AT MSPL LTD, HOSPETE	KAVITA A				
117	3TR19MBA82	VEENA G	EMPLOYEE MOTIVATION AT KARNATAKA GRAMIN BANK, BALLARI. WORKING CAPITAL MANAGEMENT - AN ANALYSIS OF PROFITABILITY AT	KAVITA A				
118	3BR19MBA49	HEENA AFREEN	NMDC LIMITED, DONIMALAI	M FARZANA BEGUM				
119	3BR19MBA71	K.BINDU PRIYA	A STUDY OF HOUSING FINANCE WITH SPECIAL REFERENCE, TO DHFL HOME LOAN AT BALLARI	M FARZANA BEGUM				
120	3BR19MBA79	MAHITHA GULLAPALI	A STUDY ON NON-PERFORMING ASSETS WITH SPECIAL REFERENCE TO THE BANGALORE CITY CO-OPERATIVE BANK LTD, BANGALORE	M FARZANA BEGUM				
121	3TR18MBA85	VICKEY MAZUMDAR	AN ANALYSIS OF STOCK MARKET PERFORMANCE USING SHARPE, TREYNOR'S AND JENSEN MEASURE AT SMC GLOBAL SECURITIES LTD, BENGALURU	M FARZANA BEGUM				
122	3TR19MBA73	SUSHMA REDDY G.	A STUDY ON FINANCIAL PERFORMANCE USING RATIO ANALYSIS AT UNITECH CONCRETE, BANGALORE	M FARZANA BEGUM				
123	3BR19MBA60	JOSHNA. V	A STUDY ON DEMAND AND RECOVERY OF MICROFINANCE AND ITS COMPONENTS WITH SPECIAL REFERENCE TO KGB	PAVAN KUMAR S. S				
124	3TR19MBA81	VARUNI. R	A STUDY ON PERFORMANCE EVALUATION USING RATIO ANALYSIS	PAVAN KUMAR S. S				
125	3BR19MBA34	G.SRILEKHA REDDY	A COMPARATIVE STUDY ON FINANCIAL PERFORMANCE OF PRIVATE AND PUBLIC SECTOR BANKS.	PAVAN KUMAR.S.S				
126	3BR19MBA23	DEEPTHI N	A STUDY ON EFFECTIVENESS OF COMPENSATION AND BENEFITS AT KPF PVT LTD	Prof Immaculate Kirthika Joseph				
127	3BR19MBA48	HARSHITHA	A STUDY ON GREEN WORKPLACE EFFECT ON WOMEN EMPLOYMENT.	Prof Immaculate Kirthika Joseph				
128 129	3BR19MBA68 3BR19MBA72	KAVYA SHREE P LINGARAJ B	A STUDY ON WORKERS WELL-BEING A STUDY ON EMPLOYEE ENGAGEMENT PRACTICES AT JSW CEMENT	Prof Immaculate Kirthika Joseph Prof Immaculate Kirthika Joseph				
130	3BR19MBA72	M.JAYASHREE	A STUDY ON WORK LIFE BALANCE OF EMPLOYEES AT JINDAL SANJEEVINI MULTISPECIALITY HOSPITAL	Prof Immaculate Kirthika Joseph				
130	3BR19MBA76	M.NIKHIL	A STUDY ON EMPLOYEE WELFARE MEASURES WITH REFERENCE TO RBKMUL.	Prof Immaculate Kirthika Joseph				
131	3BR19MBA78	NAYANA. M	A STUDY ON EMPLOYEE ABSENTEEISM ON HOSPITALS	Prof Immaculate Kirthika Joseph				
133	3BR19MBA81	MANASA SAI	A STUDY ON JOBSATISFACTION AMONG AUTOMOTIVE INDUSTRIES AT BELLARY	Prof Immaculate Kirthika Joseph				
134	3TR18MBA80	TOHA ANJUM	A STUDY ON PERFORMANCE APPRAISAL TOWARDS THE KPCL, BANGALORE	Prof Immaculate Kirthika Joseph				
135	3TR19MBA50	SABITHA	A STUDY ON EFFECTIVENESS OF EMPLOYEE WELFARE MEASURES	Prof Immaculate Kirthika Joseph				
136	3TR19MBA68	SRINIVAS.G	A STUDY ON THE EFFECTS OF MOTIVATIONAL TOOLS ON EMPLOYEES MORALE AT FMCG INDUSTRY	Prof Immaculate Kirthika Joseph				
137	3TR19MBA69	SRINIVAS.V	A STUDY ON IMPACT OF PERFORMANCE EVALUATION ON WORKERS PRODUCTIVITY AT JANKI STEEL	Prof Immaculate Kirthika Joseph				
137	3TR19MBA72	SURYAKUMARI K	A STUDY OF HR PRACTICES IN SERVICE SECTOR INDUSTRY	Prof Immaculate Kirthika Joseph				
139	3BR19MBA53	IRFAAN HUSSAIN	A STUDY ON CONSUMER AWARENESS TOWARDS ONLINE TRADING"	RAVI KUMAR J S				
140	3BR19MBA57	JEER MAHESHA	A STUDY ON SOCIAL MEDIA IMPACT ON INVESTOR PERCEPTION" AT	DAVI VINAD I C				
140 141	3BR19MBA58	JEEVAN V	RELIGARE ENTERPRISES LIMITED A COMPRATIVE STUDY ON INSTAGRAM AND FACEBOOK ADVERTISING	RAVI KUMAR J S RAVI KUMAR J S				
141	3BR19MBA59	JITHENDRA.Y	"A STUDY ON CUSTOMER SHOPPING PERCEPTION"	RAVI KUMAR J S				
143	3BR19MBA61.	K.ALTAF HUSSAIN KURESHI	THE ROLE OF SERVICE SCAPE IN POSTURING OF CUSTOMER SATISFACTION AND POSITVE EMOTIONS" AT CLARKS INN-HAMPI, HOSPET	RAVI KUMAR J S				
144	3BR19MBA63	K.SREELATHA	"A STUDY ON FAMILY ORIENTATION IMPACT ON MARKETING COMMUNICATION"	RAVI KUMAR J S				
145	3BR19MBA66	KARANAM NITHYA	A STUDY ON EFFECTIVENESS OF PRODUCT PLACEMENT THROUGH REGIONAL SERIALS AT SPECTRUM TECHVISION PVT LTD -BANGALORE.	RAVI KUMAR J S				
146	3TR19MBA24	PRAVEENA KUMARA.H	A STUDY ON ROLE OF VISUAL MERCHANDISING ON IMPULSE BUYING	RAVI KUMAR J S				
147 148	3TR19MBA26 3TR19MBA42	PRIYANKA RAVIKIRAN SHAILENDRA SHI	A STUDY ON AWARENESS OF REAL - TIME MARKETING" A STUDY ON INFLUENCER MARKETING AND ITS IMPACT OF CONUMER	RAVI KUMAR J S RAVI KUMAR J S				
			BUYING BEHAVIOUR					
149	3TR19MBA43	RAVI KUMAR A	A STUDY ON FESTIVE SEASON SALE IMPACT ON CUSTOMER SATISFACTION"	RAVI KUMAR J S				

#### Ballari Institute of Technology and Management(BITM),Ballari. Department of Management Studies (MBA) Project List with Title 18MBAPR407

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SNo	USN of the Student			Name of the Guide(in CAPITAL LETTERS)					
151	3TR19MBA51	SAGAR MT	A STUDY ON IMPACT OF CELEBRITY ENDORSEMENTS	RAVI KUMAR J S					
152	3TR19MBA56	SHARATH KUMAR K	A STUDY ON MARKETING COMMUNICATION DURING IPL 2020 AND ITS EFFECTIVENESS ON FAN LOYALTY	RAVI KUMAR J S					
153	3TR19MBA60	SHIVAKUMARA S	A STUDY ON PRODUCT PACKING AND ITS INFLUENCE ON CUSTOMERS"	RAVI KUMAR J S					
154	3TR19MBA84	VELAGALA VENKAT REDDY	ASTUDYONRETAILERSRELATIONSHIP MANAGEMENT"AT MEDICO DISTRIBUTORS,GADAG	RAVI KUMAR J S					
155	3TR19MBA85	Y HEMAVATHI	A STUDY ON IMPACT OF MOVIE STREAMING SERVICES ON VIEWERS HABITS	RAVI KUMAR J S					
156	3BR19MBA14	ANURADHA P	A STUDY ON DETERMINATION OF STOCK PRICES BY USING RELATIVE VALUATION MODELS	RENUKA S					
157	3BR19MBA37	GADILINGA G	A STUDY ON CASH FLOW STATEMENT	RENUKA S					
158	3BR19MBA41	H PAVAN	A STUDY ON INVESTOR PERCEPTION TOWARDS MUTUAL FUNDS	RENUKA S					
159	3BR19MBA47	HARITHA B	A STUDY ON IMPACT OF GST TOWRDS DIARY INDUSTRY WITH REFERENCE TO RBKMUL BALLARI	RENUKA S					
160	3BR19MBA77	M SHAFIULLA BAIG	A COMPARATIVE STUDY ON FINANCIAL PERFORMANCE OF JSW STEELS LTD AND TATA STEEL LTD	RENUKA S					
161	3TR19MBA55	SHANKARA REDDY P	A STUDY ON DEPOSIT SCHEMES AND STRATEGIES USED BY CANARA BANK	RENUKA S					
162	3TR19MBA57	SHEFALI JAIN	A STUDY ON WORKING CAPITAL MANAGEMENT AT OM METAL INFRA PROJECTS LTD	RENUKA S					
163	3TR19MBA58	SHILPA	A STUDY ON RECOVERY MANAGEMENT ON PERSONAL LOANS IN BAJAJ FINSERV	RENUKA S					
164	3TR19MBA59	SHILPAKALA MG	A STUDY ON CASH MANAGEMENT ACTIVITIES AT HOTHUR ISPAT LTD	RENUKA S					
165	3TR19MBA61	SHIVARAJ M	A COMPARATIVE STUDY ON SECURITIES OF DIFFERENT COMPANIES BY USING CAPM	RENUKA S					

	Internship Details 2020-21				
Student name	USN	Company Name	Domain		
H Vadiraja	3BR17CS046	j/q spiders	python		
Bandi Moneesha	3BR17CS020	j/q spiders	python		
J ASHOK KUMAR REDDY		j/q spiders	python		
Ganesh T	3BR17CS042	j/q spiders	python		
Kolli Saikeerthi	3BR17CS070	j/q spiders	python		
M Venkatratna	3BR17CS078	j/q spiders	python		
CHAITHRA.V.N	3BR17CS027	J/Q SPYDER	PYTHON		
EVELYN ARPITHA JOSEI		J/Q SPYDER	PYTHON		
GOURI POOJA H.M	3BR17CS043	J/Q SPYDER	PYTHON		
enturi dheepak	3br17cs035	j/q spyder	python		
B Sai Shilpa	3BR17CS018	j/q spyder	python		
Akhila k	3BR17CS005	J/Q SPYDER	PYTHON		
Nanditha A	3BR17CS097	J/Q SPYDER	PYTHON		
Keerthana. S	3BR17CS069	J/Q Spiders	Python		
V madhumita	3BR17CS178	J/Q spiders	python		
Rajathasree G	3BR16CS124	J/Q spider	python		
Nivedha S	3BR17CS099	J/Q Spiders	Python		
T L Mohammed Mohsin	3BR17CS168	J/Q spiders	python		
Mohammed Hashir	3BR17CS900	J/Q spiders	python		
Sumanth H	3BR17CS163	J/Q spiders	python		
Tanseer S M	3BR17CS169	J/Q spiders	python		
Sheethal V S	3br17cs146	J/Q spiders	PYTHON		
Mohammad Abuzar	3BR17CS076	J/Q Spiders	python		
Tharun k	3BR17CS174	mindsoft technologies	Cloud Computing		
Mukthi.G	3BR17CS093	j/q spiders	python		
M Sai Preethi	3BR17CS077	J/Q Spiders	python		
Jayateertha S	3BR17CS054	J/Q Spiders	Python		
Pallavi K	3BR17CS106	J/Q Spiders	Python		
Vaishnavi J	3BR17CS181	J/Q spiders	python		
srinivas V B	3BR17CS156	J/Q spiders	python		
Usha v Ballolli	3BR17CS177	J/Q spiders	python		
Varsha B	3BR17CS182	J/Q spiders	python		
Rexina D	3BR17CS123	J/Q spiders	PYTHON		
N Anjana	3BR17CS095	J/Q spiders	PYTHON		
N Gnaneswari	3BR17CS098		PYTHON		
P Aishwarya	3BR17CS100	J/Q spiders	PYTHON		
R Gayathri	3BR17CS117	J/Q spiders	Python		
M Shalini	3BR17CS144	J/Q spiders	Python		
Akash S Telkar	3BR17CS004	J/Q Spiders	Python		
Anusha J	3BR18CS402	Tech Forture Technologies	Data Science		
Chandan N	3BR18CS404	Tech Forture Technologies	Data Science		
Sherin Shaik	3BR18CS411	Tech Forture Technologies	Data Science		
Shirisha J	3BR18CS412	Tech Forture Technologies	Data Science		
KALYAN KUMAR P	3br17cs064	J/Q spiders	python		

G Chaitra	3BR17CS037	J/Q Spiders	Python
Anusha K	3BR17CS010	J/Q spiders	PYTHON
Taufiya Fathima	3BR16CS163	GVS Private Services Limited	Python
Bhargavi N	3BR17CS023	J/Q spiders	Python
Deepthi Reddy k	3BR17CS032	J/Q spiders	Python
N T Deepthi	3BR17CS096	J/Q spiders	Python
Sai Shivani DR	3BR17CS132	J/Q spiders	Python
Suma G	3BR17CS160	J/Q spiders	Python
Sindhuja Shabadi	3BR17CS150	J/Q Spiders	python
Pavan kumar P	3BR16CS109	J/Q Spiders	Python
RANGAIAHGARI SRAVA		J/Q Spiders	Python
SAHANA SAI B	3BR17CS129	J/Q Spiders	Python
Aishwarya	3BR17CS002	J/Q Spiders	python
C Chaitra	3BR17CS025	J/Q Spiders	Python
Sriraksha M	3BR17CS157	J/Q Spiders	Python
Ashish R Rathod	3BR17CS011	J/Q Spiders	Python
Adil Farhaan M	3BR17CS001	J/Q Spiders	Python
S VINAYA	3BR17CS127	J/Q Spiders	Python
SK Gousiya	3BR17CS152	J/QSpiders	Python
Harshitha Reddy	3BR17CS047	J/Q spiders	Python
G Sahana	3BR17CS039	J/Q spiders	python
Sachin Bhatt	3BR17CS128	J/Q Spiders	Python
Satish reddy	3BR17CS138	J/Q spiders	python
Sai Kalyan Yenugula	3BR17CS138	J/Q spiders	python
Sindhu MP	3BR17CS149	J/Q spiders	python
Shashikala KP	3BR17CS145	J/Q spiders	python
Yamini V G	3BR17CS186	J/QSpiders	Python
Sindhu	3BR17CS148	J/Q Spiders	Python
Thanmai V	3BR17CS173	DRDO	Cyber security
Sumanth C B	3BR17CS162	J/QSpiders	Python
C Neha Thabasum	3BR17CS026	J/QSpiders	Python
ShaikSamrinbanu	3BR17CS143	mindsoft technologies	Cloud Computing
Srikanth	3BR17CS155	J/QSpiders	Python
Snehaja C H	3BR17CS153	J/QSpiders	Python
Ayesha P	3BR17CS014	J/Qspiders	python
Srushti Ramesh Goudar	3BR17CS158	J/QSpiders	Python
Tejashwini Patil	3BR17CS170	J/QSpiders	Python
Ane Chandana	3BR17CS006	J/QSpiders	Python
Supriya S	3BR17CS164	J/QSpiders	Python
Anusha G M	3BR17CS009	J/QSpiders	Python
Srushti.H.N	3BR16CS149	JSW energy limited	Machine Learning
G.SHASHANK REDDY	3BR16CS037	Tech fortune technologies	Machine learning
Megha S Hiremath	3BR17CS089	J/Q Spiders	Python
S Samhita	3BR16CS132	GVS India private limited	Python Web Design
Manasa J S	3BR17CS082	J/Q Spiders	Python
Jhansi. M	3BR17CS055	Tech Fortune Technologies	Machine learning
Priyanka patil	3BR17CS115	J/Q Spiders	Python
jawalkar sairam	3BR17CS134	J/Q Spiders	Python

C Ramya Shree	3BR16CS024	GVS India private limited	Python Web Design
Patil Likhitha	3BR16CS108	GVS India private limited	Python Web Design
Medha R G	3BR17CS410	GVS India private limited	Python
Avula Roopa	3BR17CS013	J/Q spiders	Python
B S MANJUNATH	3BR17CS017	j/q spiders	python
Bala Chandrashekar K M	3BR17CS019	j/q spiders	Python
Shivnarayan Vaidyanathan	3BR17CS147	J/Q Spyders	Python
K N Aishwarya Reddy	3BR17CS061	J/Q Spyders	Python
RASHI KHANDELWAL	3BR17CS122	J/Q Spiders	Python and ML(Basics)
Dabbara Praveen	3BR17CS031	J/Q Spiders	Python
Tejaswini.G	3BR17CS171	J/Q Spiders	python
Divya Bharathi. B	3BR17CS034	J/Q Spiders	Python
Ganesh.P	3BR17CS041	J/Q Spiders	Python
Thaluri Jhansi	3BR17CS172	J/Q Spyders	Python
J Aravind	3BR17CS056	J/Q Spyders	Python
Gaekwad Nikhitha	3BR17CS040	MANAC INFOTECH	Python
Manasa Jawali	3BR17CS083	J/Q Spiders	Python
Lavanya M	3BR17CS074	J/Q Spyders	Python
B Dharani	3BR17CS015	J/Q spiders	python
Meetha M	3BR17CS088	J/Q spyders	Python
Sirisha.J	3BR17CS151	J/Q spyders	python
Ajay Kumar	3BR17CS003	J/Q Spiders	Python
Monisha L	3BR17CS092	J/Q Spiders	Python
Jeer vinayaka	3br16cs401	J/Q spyder	python
Piyush kumar	3BR17CS109	J/Q spiders	Python
kavya	3BR17CS068	J/Q spiders	Python
Matam Nikitha	3BR17CS085	J/Q Spiders	
Jyothi	3BR17CS057	J/Q Spyders	python
K.Jyothi	3BR17CS067	J/Q Spyders	Python
MD Noman	3BR17CS086	J/Q Spiders	Python
Channabasava H	3BR17CS028	J/Q spiders	Python
Nazneen	3BR18CS409	J/Q Spyders	Python
Priyanka B	3BR18CS410	J/Q Sypders	Python
Medha R	3BR17CS087	Kaashiv Infotech	Cloud Computing
Sai Pavan N	3BR17CS131	j/q spyders	python
Preethi.T	3BR17CS113	J/Q Spyders	Python
Vidhya	3br17cs184	J/Q Spyders	Python
k.r.vijay kumar	3br17cs063	J/Q Spyders	python
Pkiranmai	3br17cs102	J/Q Spyders	Python
Prasad G	3BR16CS116	J/Q Spyders	Python
M Bharath Shiva Sai Teja	3BR16CS077	J/Q Spyders	Python
N Naga Sravan Datta	3BR15CS095	J/Q Spyders	Python
Palem Rithishbrahma	3br17cs105	J/Q Spyders	Python
Kuppala Srikanth	3BR16CS066	Tech Fortune Technologies	Machine Learning
Mohammed Fayaz	3BR17CS090	J/Q Spyders	Python and ML(Basics)
swathi	3BR17CS166	J/Q Spyders	Python
karthik	3BR17CS188	J/Q Spyders	python
mallikarjun	3BR17CS406	J/Q Spyders	python

J.Keerthi	3BR17CS053	J/Q Spider's	Python
Bhavana.M	3BR17CS024	J/Q Spiders	Python
Poojitha T	3BR17CS110	J/Q Spiders	Python
goolla renuka	3br16cs043	gvs private limited	machine learning
Tasneem Fathima M	3BR18CS413	J/Q Spyder's	Python
Mohammed khaisar	3br17cs091	J/Q Spyders	python
Sai Ram kudupudi	3br17cs135	J/Q Spyders	Python
shaik mashud basha	3BR17CS142	Mindsoft Technologies	Cloud Computing
Ashwini T	3BR17CS012	J/Q Spyders	Python
Badal Singh R	3BR18CS403	Mindsoft Technologies	Cloud Computing
Shaik Mashud Basha	3BR17CS142	Mindsoft Technologies	Cloud Computing
Akhil Y V	3BR18CS400	Mindsoft Technologies	Cloud Computing
Umar Farooq B	3BR18CS414	Mindsoft Technologies	Cloud Computing
suma lavanya	3BR17CS161	J/Q spiders	Python
Swetha M	3BR17CS167	J/Q spiders	Python
Sushmitha	3BR17CS166	J/Q spiders	Python
Karthik MG	3BR17CS188	J/Q Spiders	Python
Jyothi laxmi	3BR17CS058	J/Q Spiders	Python
wahida tarannum	3R15CS182	JSW Energy ltd	python (machine learning)
Prasanna PN	3BR17CS112	J/Q Spiders	Python
Manikanta Reddy	3br17cs084	J/Q Spiders	Python
Praful Kumar	3Br17cs111	Edmuc	Python
Kottresh Vali	3BR17cs072	Edmuc	Python
Manasa.D	3br17cs081	Deloitte	Technology consulting
Chinmayi D	3BR17CS029	J/Q Spiders	Python
P Anusha	3BR17CS101	J/Q Spiders	Python
Usha Sharma. K. M	3BR17CS176	Tech Fortune Technologies	Data science
Jyothsna Sai k	3br17cs059	TechMahindra	CPP L2
Madineni Hemalatha	3br17cs079	j/Q spiders	python
Ranjitha	3BR17CS121	j/Q spiders	python
Mallikarjuna C M	3BR18CS406	J/Q Spiders	python
Priyanka T	3BR17CS116	J/Q Spiders	Python
Shaheen M N	3BR17CS140	J/Q Spiders	Python
Sultana Begum	3BR17CS159	J/Q Spiders	Python
U. Tejashwari	3BR17CS175	Tech Fortune Technologies	Data science
Jyothi	3BR17CS057	J/Q Spyders	Python, AI
Jhansi T	3BR17CS172	J/Q Spyders	Python, AI
Maheshwari PB	3BR16CS080	Tech Fortune Technologies	Data science



#### Ballari Institute of Technology and Management,Ballari Department of Electronics and Communication Engineering Final Year Internship Batch List and Guide for the ACY 2020-21



			Name of the		
SL. No	Name of the student	USN	Name of the Project Guide	Title of the Internship	Name of the Firm
1	Ediga Prasanth Gowd	3BR17EC034		IoT with Emedded Systems	Celestial V Solutions, Bangalore
2	Devalla Ajith	3BR17EC029	Dr U Eranna	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangaore
3	H.Gurulingareddy	3BR17EC047	Di O Eranna	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
4	Havaligi Saran Kumar Reddy	3BR17EC051		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
5	Deepti k Gutti	3BR17EC027		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
6	Dharani k	3BR17EC030	Ma Doumou d	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
7	G Bhavani	3BR17EC037	Mr.Raymond	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
8	G Sunil	3BR17EC041		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
9	U. JAGADESHWARI	3BR17EC168		Telecom Technology	BSNL, Ballari
10	KIRAN KUMAR H GOUDAR	3BR17EC076	Mrs.Renuka	Telecom Technology	BSNL, Ballari
11	JYOTHI REDDY	3BR17EC015	Sagar	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
12	B. ATEYA	3BR17EC013		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
13	LAKSHMI LAHARI S	3BR17EC079		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
14	Likitha. V	3BR17EC080	Mr. Shivakuamr	Telecom Technology	BSNL, Ballari
15	Sai keerthi.M	3BR17EC140	ΚS	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
16	Tanisha. P	3BR17EC162		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
17	Mangalagouri	3BR17EC090		Web Vedio Design Training	Caddesk, Jaipur
18	S M Jayashree	3BR17EC133	Mr.Premachand	Telecom Technology	BSNL, Ballari
19	Kota VijayKumarReddy	3BR17EC077	D R	IoT with Emedded Systems	Celestial V Solutions, Bangalore
20	Palagiri Sravani Reddy	3BR17EC118		Telecom Technology	BSNL, Ballari
21	Sindhu S	3BR17EC154		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
22	Uma Singh	3BR17EC169	N O T	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
23	Sumanth M B	3BR17EC156	Mr.Sagar T V	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
24	Zaheeer Abbas	3BR17EC183		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore

SL. No	Name of the student	USN	Name of the Project Guide	Title of the Internship	Name of the Firm
25	Basavarajeshwari B M	3BR17EC190		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
26	Amulya B L	3BR17EC004	Ashwatha	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
27	Harshita H M	3BR17EC049	Narayana	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
28	Divya M	3BR17EC032		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
29	M Shreya	3BR17EC085		Telecom Technology	BSNL, Ballari
30	Manjula	3BR17EC096	· Miss. Sowbhagya	Telecom Technology	BSNL, Ballari
31	Rohini k	3BR17EC130	inition bowbinagju	Telecom Technology	BSNL, Ballari
32	Ramya Kulkarni	3BR17EC126		Telecom Technology	BSNL, Ballari
33	Dadapeer p	3BR17EC191		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangaore
34	Vaishnavi gupta.P	3BR17EC173	Dr V C Patil	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangaore
35	Shaik Mubeen Taj	3BR17EC185		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangaore
36	Shoaib ruhan	3BR17EC151		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangaore
37	Keerthana.T	3BR17EC074		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangaore
38	Kavitha.G	3BR17EC073	Mr.Prabhakar	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangaore
39	Kapu Sumanth Kumar Reddy	3BR17EC071		IoT with Emedded Systems	Celestial V Solutions, Bangalore
40	Aparna.J	3BR17EC009		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangaore
41	AP Manasa	3BR17EC001	• Manjunath G	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangaore
42	K Vasudha	3BR17EC067	inanjanati e	Telecom Technology	BSNL, Ballari
43	B Madhu Shekar	3BR17EC016		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangaore
44	Divya Gani	3BR17EC031		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangaore
45	Gayathri G (No Certificate)	3BR17EC045	Mr. Raymond I	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangaore
46	Shravani b	3BR17EC152	Mr. Raymond I	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
47	Teja K B	3BR17EC164		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
48	Gadela Suneha	3BR17EC042		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
49	Anushri	3BR17EC008	Dr Sadvoiatha	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore

SL. No	Name of the student	USN	Name of the Project Guide	Title of the Internship	Name of the Firm
50	Sushma S	3BR17EC160	Distalyojatila	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
51	Sushma M	3BR17EC159		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
52	Ashwini R Sangam	3BR17EC012		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
53	Impana D M	3BR17EC055	Manjunath G	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
54	D G Sindhu	3BR17EC025		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
55	TIRUMALESH N K	3BR17EC166		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
56	Tuggali Aruna	3BR17EC167	Mr.Ashwatha	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
57	Shirisha B S	3BR17EC148	Narayana	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
58	SUNAGARA RAKESHA	3BR17EC157		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
59	Mohammed Muqthiar Ahamed	3BR17EC103		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
60	Muhammad Riza K	3BR17EC108	Ma Ma 11:1-2 vice a	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
61	ANUSHA.N	3BR17EC006	Mr.Mallikarjuna	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
62	Mohammed Baaqir Basith R	3BR17EC102		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
63	Gadikan Jyothi (No Certificate)	3BR17EC043		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
64	H Yasaswini (No Certificate)	3BR17EC050	Dr U Eranna	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
65	Gurrapu Niharika (No Certificate)	3BR17EC046	Dr 0 Eranna	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
66	Jayasurya K (No Certificate)	3BR17EC057		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
67	RAJESHWARI PRIYADARSHINI	3BR17EC124		Student Management System	BITM, Ballari
68	SANA SUMAIYA	3BR17EC141	Da Nasa ana dita	Student Management System	Qspiders Campus Connect, Bangalore
69	DEEPTHI NS	3BR17EC028	Dr.Naseeruddin	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
70	Mohammed Owais K	3BR17EC104		ATM, management Systems	Qspiders Campus Connect, Bangalore
71	REVAN KUMAR INDI	3BR17EC128		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
72	MEGHA SK	3BR17EC099	Mer - N!1	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
73	MEDA LIKHITHA	3BR17EC098	Mrs.Nilam	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
74	MANISH D	3BR17EC091		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore

SL. No	Name of the student	USN	Name of the Project Guide	Title of the Internship	Name of the Firm
75	Ravi Teja Kuruba	3BR17EC127		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
76	Mohammad Thoseef D	3BR17EC101	Mr.Hemanth	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
77	Md Khaja Owesh K	3BR17EC097	Kumar K	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
78	Mantha Rathan Sai	3BR17EC095		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
79	RAHIMUNNISA NAHEEN K	3BR17EC066		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
80	S ANEESA BEGUM	3BR17EC131	Mrs.Nilam	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
81	Fouzia Nikhath	3BR17EC035		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
82	Pavan A	3BR18EC415		Technology Trained on HTML, CSS, JS, PHP and	Renosys Automation, Rajasthan
83	Sushma Singh B	3BR18EC419	Dr. Naseeruddin	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
84	Shilpa	3BR17EC147	Di Hascoradani	Telecom Technology	BSNL, Ballari
85	Vandana DC	3BR17EC175		Telecom Technology	BSNL, Ballari
86	Jonnalaggada sowmya	3BR17EC058		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
87	Heraimatam shruthi	3BR17EC053	Mr. William	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
88	Chalapala vandana	3BR17EC024	Thomas	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
89	Anusha.m	3BR17EC005		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
90	Neha Raghavendra	3BR17EC113		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
91	W Sanjana	3BR17EC179	Mrs.Renuka	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
92	Shivashankargouda L patil	3BR17EC149	Sagar	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
93	V Shyam Babu	3BR17EC170		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
94	Manish Kumar Singh	3BR17EC092		Telecom Technology	BSNL, Ballari
95	Sandeep Singh	3BR17EC142	Mr.D R	Telecom Technology	BSNL, Ballari
96	Kowshik M	3BR17EC078	Premachand	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
97	Manoj K N	3BR17EC094		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
98	DAMMURU VIJAYA RAGHAVENDRA	3BR17EC026		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
99	P. AKSHAY RAGHOTHAM	3BR17EC117	Mr Sagar T V	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore

SL. No	Name of the student	USN	Name of the Project Guide	Title of the Internship	Name of the Firm
100	JUNAID SALMAN	3BR17EC060	Millioagar I V	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
101	DUDEKULU FARHANA BEGUM	3BR17EC033		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
102	Samyuktha.S	3BR17EC135		Telecom Technology	BSNL, Ballari
103	S.Thejashvini	3BR17EC138	Mrs. Swetha N	Telecom Technology	BSNL, Ballari
104	Vennela.V	3BR17EC177	MIS. Swetha N	Telecom Technology	BSNL, Ballari
105	M.Sinduja	3BR17EC087		Telecom Technology	BSNL, Ballari
106	Belaganti Sai Swetha	3BR17EC017		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
107	Shaik Ananashath	3BR17EC144	Dr Abdul Latheef	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
108	Kappadi Rachana	3BR17EC070	Di Abuui Latileei	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
109	V. Meghana Padmashali	3BR17EC100		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
110	J Dilshad Banu	3BR17EC056		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
111	K. Akhila	3BR17EC061	Dr Abdul Latheef	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
112	J Archana	3BR17EC011	Di Abuui Latileei	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
113	Amara Naaz	3BR17EC003		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
114	Mude Prathap Naik	3BR17EC107		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
115	M.Sai Priya	3BR17EC084	Mr.Fareduddin	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
116	Nandini.P	3BR17EC109	Mini arcuudum	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
117	S Sohel	3BR17EC137		Telecom Technology	BSNL, Ballari
118	Girija K	3BR18EC408		Python with Machine Learning (ML)	Karunadu Technologies Pvt., Harish N.
119	Shailaja C	3BR18EC417	Mr.Prabhakar	Python with Machine Learning (ML)	Karunadu Technologies Pvt., Harish N.
120	Bindu Madhavi S	3BR18EC403	WITT TAUTAKAI	Python with Machine Learning (ML)	Karunadu Technologies Pvt., Harish N.
121	Madhura A	3BR18EC411		Python with Machine Learning (ML)	Karunadu Technologies Pvt., Harish N.
122	Manjunatha N	3BR18EC413		Python with Machine Learning (ML)	Karunadu Technologies Pvt., Harish N.
123	Lingesh Kumar K	3BR18EC410	Mr.Srikanth K M	Python with Machine Learning (ML)	Karunadu Technologies Pvt., Harish N.
124	K S Ganesh	3BR18EC406	M. SHRAHUI K M	Python with Machine Learning (ML)	Karunadu Technologies Pvt., Harish N.

SL. No	Name of the student	USN	Name of the Project Guide	Title of the Internship	Name of the Firm
125	Mailara K	3BR18EC412		Python with Machine Learning (ML)	Karunadu Technologies Pvt., Harish N.
126	C Mukunda	3BR17EC022		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
127	C Jayanth	3BR17EC020		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
128	Ganesh D M	3BR17EC044	Dr Sadyojatha	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
129	Ajith P	3BR17EC002		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
130	MANASA. K	3BR17EC089		Telecom Technology	BSNL, Ballari
131	PRIYANKA. B	3BR17EC122	Mr.Vishnu kanth.	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
132	PUNAGANDLA KARTHEEK	3BR17EC123	К	Telecom Technology	BSNL, Ballari
133	NETYAM BHARATH KUMAR	3BR17EC114		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
134	Bhargav.M	3BR17EC018		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
135	Hima vamshi	3BR17EC054	Mr.Vinaykumar J	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
136	Challa sai prakash	3BR17EC023		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
137	NAVEEN G R	3BR18EC414		A Hang man game using Python	Qspiders Campus Connect, Bangalore
138	Goudara Pavan Kumar	3BR18EC409	Mr.Ulagnathan J	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
139	SUDHAKAR S N	3BR18EC418	mr.olagnathan J	Python with Machine Learning (ML)	Karunadu Technologies Pvt., Harish N.
140	DAVINTI BHARATH REDDY	3BR18EC404		Python with Machine Learning (ML)	Karunadu Technologies Pvt., Harish N.
141	Poornima Heroor	3BR17EC120		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
142	Nishantha A R	3BR17EC116	Mus Nama	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
143	M Shruthi	3BR17EC086	Mrs.Nayana	Telecom Technology	BSNL, Ballari
144	S Hepzibha	3BR17EC132		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
145	Boya Mounika	3BR17EC019		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
146	Cm Prashanti	3BR17EC021	Mr.William	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
147	K.N.Bhavya	3BR17EC064	Thomas	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
148	H M Meghana	3BR17EC048		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
149	AISHWARYA SINGH. D	3BR18EC400		Telecom Technology	BSNL, Ballari

SL. No	Name of the student	USN	Name of the Project Guide	Title of the Internship	Name of the Firm
150	GAYATHRI. V	3BR18EC407	Mrs. Prathiba S	Telecom Technology	BSNL, Ballari
151	DEENAVANI. U	3BR18EC405		Telecom Technology	BSNL, Ballari
152	RAJESHWARI. V	3BR18EC416		Telecom Technology	BSNL, Ballari
153	Divya	3BR17EC187		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangaore
154	B Vani	3BR17EC176	Mr.Ambrayya	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
155	Pooja H	3BR17EC189	шллшыаууа	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
156	V Shreya patil	3BR17EC171		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
157	Kalyan T	3BR17EC069		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
158	Karthik K	3BR17EC072	Mr. Ranjit Pyati	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
159	TIRUMALA REDDY B H	3BR17EC165		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
160	Vimala P	3BR17EC178		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
161	Smita Jagadal	3BR17EC155	Mar Obilar V D	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
162	Balamma	3BR18EC402	Mrs.Shilpa K R	Telecom Technology	BSNL, Ballari
163	Swathi B	3BR17EC161		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangaore
164	SAMREEN TAJ	3BR17EC421		Telecom Technology	BSNL, Ballari
165	ARIFA BANU	3BR17EC404	Mr.Srikanth	Telecom Technology	BSNL, Ballari
166	Mohammed Gouse B	3BR17EC411	MI.SHKaltur	Telecom Technology	BSNL, Ballari
167	Priyanka Y B	3BR16EC102		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
168	PAVITHRA U	3BR17EC119		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
169	M Indu	3BR17EC081	Mrs.Simontiny	Telecom Technology	BSNL, Ballari
170	Bhojaraju moka	3BR17EC106	Roy	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
171	S.Shilpa Sree	3BR17EC136		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
172	MOHAMMED SHOAIB SHAIKH	3BR17EC105		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
173	G B SUNDEEP KUMAR	3BR17EC036	Mr.Mallikarjuna	Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
174	Kiran B S	3BR17EC188		Python with Machine Learning (ML)	Karunadu Technologies Pvt., Harish N.

SL. No	Name of the student	USN	Name of the Project Guide	Title of the Internship	Name of the Firm
175	Yerragunta pavan kumar	3BR17EC181		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
176	Yogesh C	3BR17EC182		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
177	Sai Shabreesh	3BR17EC174		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
178	Sharana basappa	3BR17EC146		Python, Python programming and Datasturcture Qspiders Campus Connect, Bangaore	Qspiders Campus Connect, Bangalore
179	Deepak Sharma K M	3BR16EC029		Telecom Technology	BSNL, Ballari
180	M Narasimha	3BR16EC069	Mr.Vishnu Kanth	Telecom Technology	BSNL, Ballari
181	Sunil Choudary R	3BR16EC137	Karwa		BSNL, Ballari
182	Sai Bharath M V	3BR16EC119		Vending Machine based on Emedded and IoT	Inventeron Technologies and Business Solutions
183	Nirmala. M	3BR15EC058		Telecom Technology	BSNL, Ballari
184	Pallavi	3BR17EC413	Mr.Hemanth	Telecom Technology	BSNL, Ballari
185	Pavitra. K	3BR15EC079	Kumar K	Telecom Technology	BSNL, Ballari
186	K.Tarun govind	3BR17EC409		Telecom Technology	BSNL, Ballari
187	K.Sowmya	3BR16EC051		Python Web Development	Gudluri Venu Software India Pvt., Ltd.,
188	Akash T M	3BR16EC005	Mrs.Swetha N	Telecom Technology	BSNL, Ballari
189	Masineni Sri Harsha	3BR16EC072	WIS.Swellia IV	Python Web Development	Gudluri Venu Software India Pvt., Ltd.,
190	N Praveen	3BR14EC087		Telecom Technology	BSNL, Ballari
191	Rajashekar Desai	3BR17EC419		Telecom Technology	BSNL, Ballari
192	Prabhakara P	3BR17EC416	Mr.Shivakuamr K	Telecom Technology	BSNL, Ballari
193	Bharat kumar C L	3BR17EC408	S	Telecom Technology	BSNL, Ballari
194	Sharanappa	3BR17EC424		Telecom Technology	BSNL, Ballari
195	SHAIK BABA FAKRUDDIN	3BR17EC145		Telecom Technology	BSNL, Ballari
196	TAPAL KHALEEL UR REHAMAN	3BR17EC163		Telecom Technology	BSNL, Ballari

	BALLARI INSTITUTE OF TECHNOLOGY & MANAGEMENT, BALLARI								
	ELECTRICAL & ELECTRONICS ENGINEERING								
	LIST OF STUDENTS OF B.E. 8TH SEMESTER FOR THE ACADEMIC YEAR 2020-21								
			A & B-Section INTERNSHIP LI						
SI.No	USN	Name of the student M CHAITANYA	Title	Company	Date	Guide			
1	3BR14EE050	SHIVAKUMAR	STUDY OF 110/33/11KV RECEIVING & DISTRIBUTION	GANGAVATHI SUBSTATION	20-04-2021	Mr. MD ANWAR			
2		MD. ARIF B	STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION	ALLIPURA SUBSTATION	01-09-2020	Prof.Sujatha D			
3	3BR15EE049	MISBA FATHIMA	PYTHON AND DATA STRUCTURES	Q Spiders	01-03-2021	Mr.Gangadhara.M			
4	3BR15EE058	PREETHAM GUPTA P G	SOLAR POWER PROJECTS PRIVATE LIMITED	KOPPAL	02-04-2021	Prof.Sujatha D			
5	3BR16EE006	AMRUTHA PUJAR	STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION	ALLIPURA SUBSTATION	30-07-2020	Prof.Nandini Patil			
6		K SANDEEP LAKSHMI N	STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION	ALLIPURA SUBSTATION	01-09-2020	Prof.Nandini Patil Prof.Sujatha D			
8		M NAGAMONICA	STUDY OF 110/33/11KV RECEIVING & DISTRIBUTION	GANGAVATHI SUBSTATION	20-04-2021	20-04-2021			
•	3BR16EE045	MOHAMMED YASEEN		KODDAL	02 04 2024	Due f Culatha D			
9 10	3BR16EE052	B NITHIN KUMAR	SOLAR POWER PROJECTS PRIVATE LIMITED STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION	KOPPAL ALLIPURA SUBSTATION	02-04-2021 Sep-20	Prof.Sujatha D Prof.Sujatha D			
11	3BR16EE055	PAVAN KALYAN M	SOLAR POWER PROJECTS PRIVATE LIMITED	KOPPAL	02-04-2021	Prof.Sujatha D			
12	3BR16EE065	RAHUL JADHAV L	SOLAR POWER PROJECTS PRIVATE LIMITED	KOPPAL	02-04-2021	Prof.Nandini Patil			
13	3BR16EE075	SAHANA P M	SOLAR POWER PROJECTS PRIVATE LIMITED	KOPPAL	02-04-2021	B Shashidhara			
14	3BR16EE085	SURENDRA BABU	SOLAR POWER PROJECTS PRIVATE LIMITED	KOPPAL	02-04-2021	B Shashidhara			
15	3BR16EE089	SWATHI K K TARUN SINGH J	SOLAR POWER PROJECTS PRIVATE LIMITED	KOPPAL	02-04-2021	B Shashidhara			
16	3BR16EE091	RANGAWALE	PYTHON AND DATA STRUCTURES	Q Spiders	01-03-2021	Prof.Nandini Patil			
17	3BR16EE095	VADDARA PRASHANTHI	STUDY OF 110/33/11KV RECEIVING & DISTRIBUTION	GANGAVATHI SUBSTATION	20-04-2021	Prof.Nandini Patil			
	3BR16EE096	VADIYAR							
18			STUDY OF 110/33/11KV RECEIVING &DISTRIBUTION	GANGAVATHI SUBSTATION	20-04-2021	Mrs farzana			
19	3BR16EE098	VEERESHA G	STUDY OF 110/33/11KV RECEIVING & DISTRIBUTION	GANGAVATHI SUBSTATION	20-04-2021	Mr RAGHAVENDRA R M			
20	3BR17EE001	A AYESHA SIDDIQUA	ELECTRICAL DESIGN	Prinston Smart Engineers	01-04-2021	Dr. B. S. Khened			
21	3BR17EE002	AAMIR ALI	HYRDO POWER GENERATION	HAMPI POWER HOUSE	08-03-2021	Dr. B. S. Khened			
22 23	3BR17EE004 3BR17EE005	AISHWARYA N AJAY KUMAR D	PYTHON AND DATA STRUCTURE STUDY OF 110/33/11KV RECEIVING &DISTRIBUTION	Q Spiders GANGAVATHI SUBSTATION	31-03-2021 20-04-2021	Dr. B. S. Khened Dr. B. S. Khened			
23	3BR17EE005	AKSHITHA B	STUDY OF 110/33/11KV RECEIVING & DISTRIBUTION SUBSTATION	ALLIPURA SUBSTATION	01-09-2020	Dr. B. S. Khened			
25	3BR17EE007	AMRUTHA REDDY	STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION	ALLIPURA SUBSTATION	01-09-2020	Dr. B. S. Khened			
26	3BR17EE008	ARCHANA H	STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION	ALLIPURA SUBSTATION	01-09-2020	Dr. Sharana Reddy			
27	3BR17EE009		STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION	ALLIPURA SUBSTATION	01-09-2020				
27	3BR17EE010	KUPPASAGOUDAR AYESHA SIDDIQUA	PYTHON AND DATA STRUCTURE	Q Spiders	31-03-2020	Dr. Sharana Reddy			
29		B BHAVANI	STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION	ALLIPURA SUBSTATION	01-09-2020	Dr. B. S. Khened			
30	3BR17EE013	B VINAY KRISHNA	STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION	ALLIPURA SUBSTATION	01-09-2021	Mr Kamal Kishore			
31	3BR17EE015	BASUTHKAR SAI SANTHOSH RAO	STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION	ALLIPURA SUBSTATION	01-09-2020	Dr. SHARAN REDDY			
32	3BR17EE017	CHANDANA M	STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION	ALLIPURA SUBSTATION	01-09-2020	Dr. Raghavendra. P			
33	3BR17EE018	CHANNABASAVA T	PYTHON AND DATA STRUCTURES	Q Spiders	31-03-2021	Dr. Raghavendra. P			
24	3BR17EE019	CHIPPAGIRI			01 00 2020	Du Dashawandar D			
34 35	3BR17EE021	GUNASANDHYA DEEKSHITH Y	STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION STUDY OF 110/33/11KV RECEIVING & DISTRIBUTION	ALLIPURA SUBSTATION GANGAVATHI SUBSTATION	01-09-2020	Dr. Raghavendra. P			
	3BR17EE022	DEEPAK ANAND							
36									
37		DOLEKAR	STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION	ALLIPURA SUBSTATION	01-09-2020	Dr. Raghavendra. P			
38		DEEPIKA G SOLANKI							
39	3BR17EE024	DEEPIKA G SOLANKI DEEPTHI	PYTHON AND DATA STRUCTURES	Q Spiders	31-03-2021	Dr. Abdul khadar A			
39 40	3BR17EE024 3BR17EE025	DEEPIKA G SOLANKI							
40	3BR17EE024 3BR17EE025	DEEPIKA G SOLANKI DEEPTHI G ANITHA LAKSHMI G DIVYA G K SAI HARSHITHA	PYTHON AND DATA STRUCTURES PYTHON AND DATA STRUCTURES PYTHON AND DATA STRUCTURES	Q Spiders Q Spiders Q Spiders	31-03-2021 31-03-2021 31-03-2021	Dr. Abdul khadar A Dr. B. S. Khened Dr. Abdul khadar A			
40 41	3BR17EE024 3BR17EE025 3BR17EE026 3BR17EE027	DEEPIKA G SOLANKI DEEPTHI G ANITHA LAKSHMI G DIVYA G K SAI HARSHITHA JYOTHI	PYTHON AND DATA STRUCTURES PYTHON AND DATA STRUCTURES PYTHON AND DATA STRUCTURES STUDY OF 110/33/11KV RECEIVING &DISTRIBUTION	Q Spiders Q Spiders Q Spiders GANGAVATHI SUBSTATION	31-03-2021 31-03-2021 31-03-2021 20-04-2021	Dr. Abdul khadar A Dr. B. S. Khened Dr. Abdul khadar A Dr. Abdul khadar A			
40 41 42	3BR17EE024 3BR17EE025 3BR17EE026 3BR17EE027 3BR17EE028	DEEPIKA G SOLANKI DEEPTHI G ANITHA LAKSHMI G DIVYA G K SAI HARSHITHA	PYTHON AND DATA STRUCTURES PYTHON AND DATA STRUCTURES PYTHON AND DATA STRUCTURES STUDY OF 110/33/11KV RECEIVING &DISTRIBUTION STUDY OF 110/33/11KV RECEIVING &DISTRIBUTION	Q Spiders Q Spiders Q Spiders GANGAVATHI SUBSTATION GANGAVATHI SUBSTATION	31-03-2021 31-03-2021 31-03-2021 20-04-2021 20-04-2021	Dr. Abdul khadar A Dr. B. S. Khened Dr. Abdul khadar A Dr. Abdul khadar A Dr. Abdul khadar A			
40 41	3BR17EE024 3BR17EE025 3BR17EE026 3BR17EE027 3BR17EE028 3BR17EE029	DEEPIKA G SOLANKI DEEPTHI G ANITHA LAKSHMI G DIVYA G K SAI HARSHITHA JYOTHI MANOHARA G	PYTHON AND DATA STRUCTURES PYTHON AND DATA STRUCTURES PYTHON AND DATA STRUCTURES STUDY OF 110/33/11KV RECEIVING &DISTRIBUTION	Q Spiders Q Spiders Q Spiders GANGAVATHI SUBSTATION	31-03-2021 31-03-2021 31-03-2021 20-04-2021	Dr. Abdul khadar A Dr. B. S. Khened Dr. Abdul khadar A Dr. Abdul khadar A			
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40 41 42 43 44 45 46 46 47 48 49 50 51 52 53 54 55 55 56 57 58	3BR17EE024 3BR17EE025 3BR17EE026 3BR17EE027 3BR17EE028 3BR17EE028 3BR17EE030 3BR17EE033 3BR17EE034 3BR17EE034 3BR17EE036 3BR17EE039 3BR17EE049 3BR17EE049 3BR17EE041 3BR17EE043 3BR17EE045 3BR17EE045	DEEPIKA G SOLANKI DEEPTHI G ANITHA LAKSHMI G DIVYA G K SAI HARSHITHA JYOTHI MANOHARA G GANESH K ARUNKUMARI H H SANDHYA JAYALAKSHMI JEEVARGI RAGHAVENDRA KUMAR JYOTHI P K AMRUTHA K ANURADHA K M RADHA K M RADHA K K KAVYA K SHILPA KALYAN KUMAR KARTHIK B KORI BASAVARAJ LAVANYA K M HEMALATHA	PYTHON AND DATA STRUCTURES PYTHON AND DATA STRUCTURES PYTHON AND DATA STRUCTURES STUDY OF 110/33/11KV RECEIVING &DISTRIBUTION STUDY OF 110/33/11KV RECEIVING &DISTRIBUTION STUDY OF 110/33/11KV RECEIVING &DISTRIBUTION STUDY OF 120/110/11KV RECEIVING & DISTRIBUTION SUBSTATION '220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION '220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION Data Analysis and Visualization on Google Play Store App Dataset STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION Data Analysis and Visualization on Google Play Store App Dataset STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION	Q Spiders Q Spiders Q Spiders Q Spiders Q Spiders GANGAVATHI SUBSTATION GANGAVATHI SUBSTATION ALLIPURA SUBSTATION	31-03-2021 31-03-2021 31-03-2021 31-03-2021 20-04-2021 20-04-2021 20-04-2021 20-04-2021 5ep-20 01-09-2020 01-09-2020 01-09-2020 01-09-2020 01-09-2020 01-09-2020 01-09-2020 01-09-2020 01-09-2020 01-09-2020 01-09-2020 01-09-2020 01-09-2020	Dr. Abdul khadar A Dr. B. S. Khened Dr. Abdul khadar A Dr. Abdul khadar A Dr. Abdul khadar A Dr. Abdul khadar A Dr. Abdul khadar A Mr K. Narasimhulu Mr S. Arathi P.B Mrs Arathi P.B			
40 41 42 43 44 45 46 46 47 48 49 50 51 51 52 53 54 55 56 55 57	3BR17EE024 3BR17EE025 3BR17EE026 3BR17EE027 3BR17EE028 3BR17EE028 3BR17EE030 3BR17EE033 3BR17EE033 3BR17EE034 3BR17EE035 3BR17EE036 3BR17EE049 3BR17EE049 3BR17EE041 3BR17EE043 3BR17EE045 3BR17EE045 3BR17EE047 3BR17EE048	DEEPIKA G SOLANKI DEEPTHI G ANITHA LAKSHMI G DIVYA G K SAI HARSHITHA JYOTHI MANOHARA G GANESH K ARUNKUMARI H H SANDHYA JAYALAKSHMI JEEVARGI RAGHAVENDRA KUMAR JYOTHI P K AMRUTHA K ANURADHA K M RADHA K R KAVYA K SHILPA KALYAN KUMAR KARTHIK B KORI BASAVARAJ LAVANYA K	PYTHON AND DATA STRUCTURES PYTHON AND DATA STRUCTURES PYTHON AND DATA STRUCTURES STUDY OF 110/33/11KV RECEIVING &DISTRIBUTION STUDY OF 110/33/11KV RECEIVING &DISTRIBUTION STUDY OF 110/33/11KV RECEIVING &DISTRIBUTION STUDY OF 120/110/11KV RECEIVING & DISTRIBUTION SUBSTATION '220/110KV RS Sub Station Allipur'' STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION Data Analysis and Visualization on Google Play Store App Dataset STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION Data Analysis and Visualization on Google Play Store App Dataset STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION	Q Spiders Q Spiders Q Spiders Q Spiders Q Spiders GANGAVATHI SUBSTATION GANGAVATHI SUBSTATION ALLIPURA SUBSTATION	31-03-2021 31-03-2021 31-03-2021 31-03-2021 20-04-2021 20-04-2021 20-04-2021 5ep-20 01-09-2020 01-09-2020 01-09-2020 01-09-2020 01-09-2020 01-09-2020 01-09-2020 01-09-2020 01-09-2020 01-09-2020 01-09-2020 01-09-2020	Dr. Abdul khadar A Dr. B. S. Khened Dr. Abdul khadar A Dr. Abdul khadar A Dr. Abdul khadar A Dr. Abdul khadar A Mr K. Narasimhulu Mr S. Arathi P.B Mrs Arathi P.B			

62	3BR17FF051	MD. MUDDASSIR	PYTHON AND DATA STRUCTURES	Q Spiders	31-03-2021	Mr. SHRIDHAR S M
		MOHAMMED HAARIS				
63		MOHAMMED	HYRDO POWER GENERATION	HAMPI POWER HOUSE	08-03-2021	Mr. Shashidhara B
64	3BR17EE053	MOHSEEN B MOHAMMED	PYTHON AND DATA STRUCTURES	Q Spiders	31-03-2021	Mr. SHRIDHAR S M
65	3BR17EE054	SHAKEEL AHMED	HYRDO POWER GENERATION	HAMPI POWER HOUSE	08-03-2021	Mr Kamal Kishore
66		MOHAMMED UZAIF	STUDY OF 110/33/11KV RECEIVING & DISTRIBUTION	GANGAVATHI SUBSTATION	20-04-2021	Mr.Shridhar S M
67	3BR17EE057	MONIKA D	STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION	ALLIPURA SUBSTATION	Sep-20	Mr.Shridhar S M
68	3BR17EE060	NAGARATNA NAVEEN KUMAR	STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION	ALLIPURA SUBSTATION	Sep-20	Mrs PARVATHI
69	3BR17EE061	RATHOD R	STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION	ALLIPURA SUBSTATION	Sep-20	Mrs PARVATHI
70	3BR17EE062	NAVEENKUMAR U	PYTHON AND DATA STRUCTURE	Q Spiders		Mrs PARVATHI
71	3BR17EE063	NEELAGANGA B B	STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION	ALLIPURA SUBSTATION	Sep-20	Mrs PARVATHI
72		NETESH T	STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION	ALLIPURA SUBSTATION	Sep-20	Mrs PARVATHI
73	3BR17EE065	NIKHIL SAI S PRAJAKTHA	STUDY OF 110/33/11KV RECEIVING & DISTRIBUTION	GANGAVATHI SUBSTATION	20-04-2021	Mrs PARVATHI
74	3BR17EE067	MALLAPPA PUJARI	STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION	ALLIPURA SUBSTATION	Sep-20	Mr. MD ANWAR
75	3BR17EE068	PRAKRUTHI P G	'HANGMAN GAME''	Q Spiders	16-08-2021	Mr. MD ANWAR
76	3BR17EE071	PRITHVIRAJ T	STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION	ALLIPURA SUBSTATION	Sep-20	Mr. MD ANWAR
77	3BR17EE072	CHETAN R	PYTHON AND DATA STRUCTURE	Q Spiders	01-03-2021	Mr. MD ANWAR
78		RAHUL U BULLA	STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION	ALLIPURA SUBSTATION	Sep-20	Mr. MD ANWAR
79		RAJASHEKAR N	STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION	ALLIPURA SUBSTATION	01-09-2021	Mr.Vijyakrishna M
80	3BR17EE076 3BR17EE077	RAJESH M RANJITHA C V	STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION HYRDO POWER GENERATION	ALLIPURA SUBSTATION	01-09-2021	Mr.Vijyakrishna M
81 82		RASHMI H N	GAS INSULATED SUBSTATION	HAMPI POWER HOUSE Belagavi	08-03-2021 15-03-2021	Mr.Vijyakrishna M Mr.Vijyakrishna M
82	3BR17EE078 3BR17EE079	REKHA V	HYRDO POWER GENERATION	Belagavi HAMPI POWER HOUSE	15-03-2021 08-03-2021	Mr.Vijyakrishna M Mr.Harish Kumar G
84	3BR17EE080	S M RENUKA	HYRDO POWER GENERATION	HAMPI POWER HOUSE	08-03-2021	Mr.Harish Kumar G
85	3BR17EE081	REVATHI D	HYRDO POWER GENERATION	HAMPI POWER HOUSE	08-03-2021	Mr.Harish Kumar G
86		ROOHINAAZ V	STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION	ALLIPURA SUBSTATION	Sep-20	Mr.Harish Kumar G
87	3BR17EE083	ROOPA GHORPADE	STUDENT MANAGEMENT SYSTEM USING PYTHON	Q Spiders	01-03-2021	Mr.Harish Kumar G
88	3BR17EE085	S SUJATHA				
89	3BR17EE086	SAMREEN NAWAZ	STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION	ALLIPURA SUBSTATION	Sep-20	Mr. Santosha B M
90	3BR17EE087	SANDHYA B	STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION	ALLIPURA SUBSTATION	Sep-20	Mr. Santosha B M
91	3BR17EE088	SHAGUFTA BEGUM	ELECTRICAL DESIGN	Q Spiders	16-08-2021	Mr. Santosha B M
92	3BR17EE089	SHAIK AFREEN	PYTHON AND DATA STRUCTURES	Q Spiders	16-08-2021	Mr. Santosha B M
93		M S SHARATH	ELECTRICAL DESIGN	Q Spiders	16-08-2021	Mr. Santosha B M
94		SHRAVANI N SIMRAN	STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION	ALLIPURA SUBSTATION	01-09-2021	Mr. Santosha B M
95 96	3BR17EE094 3BR17EE095	SRI LAXMI	PYTHON AND DATA STRUCTURES HYRDO POWER GENERATION	Q Spiders HAMPI POWER HOUSE	16-08-2021 08-03-2021	Mrs. P. SARALA Mrs. P. SARALA
50		SUBHASH CHANDRA		HAMIFI FOWER HOUSE	08-03-2021	IVIIS. F. SARALA
97	3BR17EE097	PATEL M	ELECTRICAL DESIGN	Prinston Smart Engineers	01-03-2021	Mrs. P. SARALA
98	3BR17EE098	SUDHARSHAN REDDY B	STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION	ALLIPURA SUBSTATION	01-09-2021	Mrs. P. SARALA
99	3BR17EE099	SUHEENA NAAZ	STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION	ALLIPURA SUBSTATION	01-09-2021	Mrs. P. SARALA
100	3BR17EE100	SUJITH L	ELECTRICAL DESIGN	Prinston Smart Engineers	01-03-2021	Mrs. P. SARALA
101	3BR17EE101	SULEMAAN SHEIKH	220KV RECEIVING SUBSTATION	ALLIPURA SUBSTATION	01-09-2020	Mr.vijay kumar
102	3BR17EE103	H.K. SUSHMA				
103	3BR17EE104	SYED KHADAR BASHA QUADRI	SOLAR POWER PROJECTS PRIVATE LIMITED	Ballari	24-02-2021	Y.KAMAL KISHORE
103	3BR17EE105	MANASA T	STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION	ALLIPURA SUBSTATION	01-09-2020	Mr.vijay kumar
	3BR17EE106	T. NARASIMHA				
105		PRASAD	STUDY OF 110/33/11KV RECEIVING & DISTRIBUTION	GANGAVATHI SUBSTATION	20-04-2021	Mr.vijay kumar
106	3BR17EE107		PYTHON AND DATA STRUCTURES	Q Spiders	16-08-2021	Mr.vijay kumar
107	3BR17EE108 3BR17EE109	THIPPAMMA A UMAR FAROOQ	STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION		01-09-2020	Mrs. Pushpalatha Mrs. Pushpalatha
108			STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION	ALLIPURA SUBSTATION	01-09-2021	เพา จ.ค นระเทศสาสเทส
109	3BR17EE110	UMME SALMA SHAIKH	PYTHON AND DATA STRUCTURES	O Californi	16-08-2021	Mrs. PUSHPALATHA
110				Q Spiders	10-00-2021	
·	3BR17EE111	V M NANDISH	PYTHON AND DATA STRUCTURES	Q Spiders	16-08-2021	Mrs. PUSHPALATHA
	3BR17EE111 3BR17EE113	VAISHNAVI M	PYTHON AND DATA STRUCTURES	Q Spiders	16-08-2021	Mrs. PUSHPALATHA
111	3BR17EE113					
111 112	3BR17EE113 3BR17EE115	VAISHNAVI M CHAVAN VENKATESH KUMAR NAIK M R	PYTHON AND DATA STRUCTURES STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION SOLAR POWER PROJECTS PRIVATE LIMITED	Q Spiders ALLIPURA SUBSTATION Ballari	16-08-2021	Mrs. PUSHPALATHA
111 112 113	3BR17EE113 3BR17EE115 3BR17EE116	VAISHNAVI M CHAVAN VENKATESH KUMAR NAIK M R VIDYASHREE D H	PYTHON AND DATA STRUCTURES STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION SOLAR POWER PROJECTS PRIVATE LIMITED STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION	Q Spiders ALLIPURA SUBSTATION Ballari ALLIPURA SUBSTATION	16-08-2021 01-09-2021 24-02-2021 01-09-2021	Mrs. PUSHPALATHA Mrs. PUSHPALATHA Mrs. PUSHPALATHA Mrs. SHANTALA H
111 112 113 114	3BR17EE113 3BR17EE115 3BR17EE116 3BR17EE117	VAISHNAVI M CHAVAN VENKATESH KUMAR NAIK M R VIDYASHREE D H VIGNESH WADIYAR	PYTHON AND DATA STRUCTURES STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION SOLAR POWER PROJECTS PRIVATE LIMITED STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION PYTHON AND DATA STRUCTURES	Q Spiders ALLIPURA SUBSTATION Ballari ALLIPURA SUBSTATION Q Spiders	16-08-2021 01-09-2021 24-02-2021 01-09-2021 16-08-2021	Mrs. PUSHPALATHA Mrs. PUSHPALATHA Mrs. PUSHPALATHA Mrs. SHANTALA H Mrs. SHANTALA H
111 112 113 114 115	3BR17EE113 3BR17EE115 3BR17EE116 3BR17EE117 3BR17EE118	VAISHNAVI M CHAVAN VENKATESH KUMAR NAIK M R VIDYASHREE D H VIGNESH WADIYAR VIJAY KUMAR	PYTHON AND DATA STRUCTURES STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION SOLAR POWER PROJECTS PRIVATE LIMITED STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION PYTHON AND DATA STRUCTURES STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION	Q Spiders ALLIPURA SUBSTATION Ballari ALLIPURA SUBSTATION Q Spiders ALLIPURA SUBSTATION	16-08-2021 01-09-2021 24-02-2021 01-09-2021 16-08-2021 01-09-2021	Mrs. PUSHPALATHA Mrs. PUSHPALATHA Mrs. PUSHPALATHA Mrs. SHANTALA H Mrs. SHANTALA H Mrs. SHANTALA H
111 112 113 114 115 116	3BR17EE113 3BR17EE115 3BR17EE116 3BR17EE117 3BR17EE118 3BR17EE119	VAISHNAVI M CHAVAN VENKATESH KUMAR NAIK M R VIDYASHREE D H VIGNESH WADIYAR VIJAY KUMAR VISHNU E M	PYTHON AND DATA STRUCTURES STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION SOLAR POWER PROJECTS PRIVATE LIMITED STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION PYTHON AND DATA STRUCTURES STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION SOLAR POWER PROJECTS PRIVATE LIMITED	Q Spiders ALLIPURA SUBSTATION Ballari ALLIPURA SUBSTATION Q Spiders ALLIPURA SUBSTATION Ballari	16-08-2021 01-09-2021 24-02-2021 01-09-2021 16-08-2021 01-09-2021 24-02-2021	Mrs. PUSHPALATHA Mrs. PUSHPALATHA Mrs. SUSHPALATHA Mrs. SHANTALA H Mrs. SHANTALA H Mrs. SHANTALA H Mrs. SHANTALA H
111 112 113 114 115 116 117	3BR17EE113 3BR17EE115 3BR17EE116 3BR17EE117 3BR17EE118 3BR17EE119 3BR17EE120	VAISHNAVI M CHAVAN VENKATESH KUMAR NAIK M R VIDYASHREE D H VIGNESH WADIYAR VIJAY KUMAR VISHNU E M WILFRED JOSEPH W	PYTHON AND DATA STRUCTURES STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION SOLAR POWER PROJECTS PRIVATE LIMITED STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION PYTHON AND DATA STRUCTURES STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION SOLAR POWER PROJECTS PRIVATE LIMITED SOLAR POWER PROJECTS PRIVATE LIMITED	Q Spiders ALLIPURA SUBSTATION Ballari ALLIPURA SUBSTATION Q Spiders ALLIPURA SUBSTATION Ballari Ballari	16-08-2021 01-09-2021 24-02-2021 01-09-2021 16-08-2021 01-09-2021 24-02-2021 24-02-2021	Mrs. PUSHPALATHA Mrs. PUSHPALATHA Mrs. PUSHPALATHA Mrs. SHANTALA H Mrs. SHANTALA H Mrs. SHANTALA H
111 112 113 114 115 116 117 118	3BR17EE113 3BR17EE115 3BR17EE116 3BR17EE117 3BR17EE118 3BR17EE119 3BR17EE120	VAISHNAVI M CHAVAN VENKATESH KUMAR NAIK M R VIDYASHREE D H VIGNESH WADIYAR VIJAY KUMAR VISHNU E M	PYTHON AND DATA STRUCTURES STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION SOLAR POWER PROJECTS PRIVATE LIMITED STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION PYTHON AND DATA STRUCTURES STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION SOLAR POWER PROJECTS PRIVATE LIMITED SOLAR POWER PROJECTS PRIVATE LIMITED STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION	Q Spiders ALLIPURA SUBSTATION Ballari ALLIPURA SUBSTATION Q Spiders ALLIPURA SUBSTATION Ballari Ballari ALLIPURA SUBSTATION	16-08-2021 01-09-2021 24-02-2021 01-09-2021 16-08-2021 01-09-2021 24-02-2021 24-02-2021 01-09-2021	Mrs. PUSHPALATHA Mrs. PUSHPALATHA Mrs. SUSHPALATHA Mrs. SHANTALA H Mrs. SHANTALA H Mrs. SHANTALA H Mrs. SHANTALA H
111 112 113 114 115 116 117	3BR17EE113 3BR17EE115 3BR17EE115 3BR17EE116 3BR17EE117 3BR17EE119 3BR17EE120 3BR17EE121 3BR17EE122	VAISHNAVI M CHAVAN VENKATESH KUMAR NAIK M R VIDYASHREE D H VIGNESH WADIYAR VIJAY KUMAR VISHNU E M WILFRED JOSEPH W YASHASWINI U	PYTHON AND DATA STRUCTURES STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION SOLAR POWER PROJECTS PRIVATE LIMITED STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION PYTHON AND DATA STRUCTURES STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION SOLAR POWER PROJECTS PRIVATE LIMITED SOLAR POWER PROJECTS PRIVATE LIMITED	Q Spiders ALLIPURA SUBSTATION Ballari ALLIPURA SUBSTATION Q Spiders ALLIPURA SUBSTATION Ballari Ballari	16-08-2021 01-09-2021 24-02-2021 01-09-2021 16-08-2021 01-09-2021 24-02-2021 24-02-2021	Mrs. PUSHPALATHA Mrs. PUSHPALATHA Mrs. SUSHPALATHA Mrs. SHANTALA H Mrs. SHANTALA H Mrs. SHANTALA H Mrs. SHANTALA H
111 112 113 114 115 116 117 118 119	3BR17EE113 3BR17EE115 3BR17EE116 3BR17EE116 3BR17EE117 3BR17EE119 3BR17EE120 3BR17EE122 3BR17EE123	VAISHNAVI M CHAVAN VENKATESH KUMAR NAIK M R VIDYASHREE D H VIGNESH WADIYAR VIJAY KUMAR VISHNU E M WILFRED JOSEPH W YASHASWINI U YASMEEN	PYTHON AND DATA STRUCTURES STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION SOLAR POWER PROJECTS PRIVATE LIMITED STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION PYTHON AND DATA STRUCTURES STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION SOLAR POWER PROJECTS PRIVATE LIMITED SOLAR POWER PROJECTS PRIVATE LIMITED STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION	Q Spiders ALLIPURA SUBSTATION Ballari ALLIPURA SUBSTATION Q Spiders ALLIPURA SUBSTATION Ballari Ballari ALLIPURA SUBSTATION ALLIPURA SUBSTATION	16-08-2021 01-09-2021 24-02-2021 01-09-2021 16-08-2021 01-09-2021 24-02-2021 01-09-2021 01-09-2021	Mrs. PUSHPALATHA Mrs. PUSHPALATHA Mrs. SUSHPALATHA Mrs. SHANTALA H Mrs. SHANTALA H Mrs. SHANTALA H Mrs. SHANTALA H Mrs. SHANTALA H Mrs. SHANTALA H
111 112 113 114 115 116 117 118 119 120	3BR17EE113 3BR17EE115 3BR17EE116 3BR17EE117 3BR17EE118 3BR17EE119 3BR17EE120 3BR17EE122 3BR17EE123 3BR17EE144	VAISHNAVI M CHAVAN VENKATESH KUMAR NAIK M R VIDYASHREE D H VIGNESH WADIYAR VIJAY KUMAR VISHNU E M WILFRED JOSEPH W YASHASWINI U YASHASWINI U YASMEEN ZEENATH AFROOZ	PYTHON AND DATA STRUCTURES STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION SOLAR POWER PROJECTS PRIVATE LIMITED STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION PYTHON AND DATA STRUCTURES STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION SOLAR POWER PROJECTS PRIVATE LIMITED SOLAR POWER PROJECTS PRIVATE LIMITED STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION PYTHON AND DATA STRUCTURES	Q Spiders ALLIPURA SUBSTATION Ballari ALLIPURA SUBSTATION Q Spiders ALLIPURA SUBSTATION Ballari Ballari ALLIPURA SUBSTATION ALLIPURA SUBSTATION Q Spiders	16-08-2021 01-09-2021 24-02-2021 01-09-2021 16-08-2021 01-09-2021 24-02-2021 01-09-2021 01-09-2021 16-08-2021	Mrs. PUSHPALATHA Mrs. PUSHPALATHA Mrs. SHANTALA H Mrs. SHANTALA H Mrs. SHANTALA H Mrs. SHANTALA H Mrs. SHANTALA H Mrs. SHANTALA H Mr CHANDAN K R
111 112 113 114 115 116 117 118 119 120 121	3BR17EE113 3BR17EE115 3BR17EE116 3BR17EE117 3BR17EE118 3BR17EE119 3BR17EE120 3BR17EE121 3BR17EE123 3BR17EE141 3BR17EE423	VAISHNAVI M CHAVAN VENKATESH KUMAR NAIK M R VIDYASHREE D H VIGNESH WADIYAR VIJAY KUMAR VISHNU E M WILFRED JOSEPH W YASHASWINI U YASHASWINI U YASMEEN ZEENATH AFROOZ M GURUNATH	PYTHON AND DATA STRUCTURES STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION SOLAR POWER PROJECTS PRIVATE LIMITED STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION PYTHON AND DATA STRUCTURES STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION SOLAR POWER PROJECTS PRIVATE LIMITED SOLAR POWER PROJECTS PRIVATE LIMITED STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION SUBSTATION STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION SUBSTATION STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION PYTHON AND DATA STRUCTURES SOLAR POWER PROJECTS PRIVATE LIMITED	Q Spiders ALLIPURA SUBSTATION Ballari ALLIPURA SUBSTATION Q Spiders ALLIPURA SUBSTATION Ballari Ballari ALLIPURA SUBSTATION ALLIPURA SUBSTATION Q Spiders Ballari	16-08-2021 01-09-2021 24-02-2021 01-09-2021 16-08-2021 01-09-2021 24-02-2021 01-09-2021 01-09-2021 16-08-2021 24-02-2021	Mrs. PUSHPALATHA Mrs. PUSHPALATHA Mrs. SHANTALA H Mrs. SHANTALA H Mrs. SHANTALA H Mrs. SHANTALA H Mrs. SHANTALA H Mrs. SHANTALA H Mr CHANDAN K R Mr CHANDAN K R
111 112 113 114 115 116 117 118 119 120 121 122 123	3BR17EE113 3BR17EE115 3BR17EE116 3BR17EE117 3BR17EE118 3BR17EE119 3BR17EE120 3BR17EE121 3BR17EE123 3BR17EE123 3BR17EE414 3BR17EE433	VAISHNAVI M CHAVAN VENKATESH KUMAR NAIK M R VIDYASHREE D H VIGNESH WADIYAR VIJAY KUMAR VISHNU E M WILFRED JOSEPH W YASHASWINI U YASHASWINI U YASMEEN ZEENATH AFROOZ M GURUNATH MADHU E	PYTHON AND DATA STRUCTURES STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION SOLAR POWER PROJECTS PRIVATE LIMITED STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION PYTHON AND DATA STRUCTURES STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION SOLAR POWER PROJECTS PRIVATE LIMITED SOLAR POWER PROJECTS PRIVATE LIMITED STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION STUDY OF 110/33/11KV RECEIVING & DISTRIBUTION	Q Spiders ALLIPURA SUBSTATION Ballari ALLIPURA SUBSTATION Q Spiders ALLIPURA SUBSTATION Ballari Ballari ALLIPURA SUBSTATION ALLIPURA SUBSTATION Q Spiders Ballari Ballari Ballari GANGAVATHI SUBSTATION	16-08-2021 01-09-2021 24-02-2021 01-09-2021 16-08-2021 01-09-2021 24-02-2021 01-09-2021 01-09-2021 16-08-2021 24-02-2021 24-02-2021 20-04-2021	Mrs. PUSHPALATHA Mrs. PUSHPALATHA Mrs. PUSHPALATHA Mrs. SHANTALA H Mrs. SHANTALA H Mrs. SHANTALA H Mrs. SHANTALA H Mrs. SHANTALA H Mr CHANDAN K R Mr CHANDAN K R Mr CHANDAN K R Mr Shashidhara B Mr Shashidhara B
111 112 113 114 115 116 117 118 119 120 121 122	3BR17EE113 3BR17EE115 3BR17EE116 3BR17EE117 3BR17EE118 3BR17EE129 3BR17EE120 3BR17EE121 3BR17EE123 3BR17EE123 3BR17EE414 3BR17EE438	VAISHNAVI M CHAVAN VENKATESH KUMAR NAIK M R VIDYASHREE D H VIGNESH WADIYAR VIJAY KUMAR VISHNU E M WILFRED JOSEPH W YASHASWINI U YASHASWINI U YASHAEN ZEENATH AFROOZ M GURUNATH MADHU E NAVEEN K R S	PYTHON AND DATA STRUCTURES STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION SOLAR POWER PROJECTS PRIVATE LIMITED STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION PYTHON AND DATA STRUCTURES STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION SOLAR POWER PROJECTS PRIVATE LIMITED SOLAR POWER PROJECTS PRIVATE LIMITED STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION SUBSTATION SUBSTATION SUBSTATION SUBSTATION SUBSTATION SUBSTATION SUBSTATION SUBSTATION SUBSTATION SUBSTATION SUBSTATION SUBSTATION SUBSTATION SUBSTATION	Q Spiders ALLIPURA SUBSTATION Ballari ALLIPURA SUBSTATION Q Spiders ALLIPURA SUBSTATION Ballari Ballari ALLIPURA SUBSTATION ALLIPURA SUBSTATION Q Spiders Ballari Ballari	16-08-2021 01-09-2021 24-02-2021 16-08-2021 01-09-2021 24-02-2021 24-02-2021 01-09-2021 16-08-2021 24-02-2021 24-02-2021	Mrs. PUSHPALATHA Mrs. PUSHPALATHA Mrs. SHANTALA H Mrs. SHANTALA H Mrs. SHANTALA H Mrs. SHANTALA H Mrs. SHANTALA H Mr CHANDAN K R Mr CHANDAN K R Mr. Shashidhara B
111           112           113           114           115           116           117           118           119           120           121           122           123           124           125	3BR17EE113 3BR17EE115 3BR17EE116 3BR17EE117 3BR17EE118 3BR17EE119 3BR17EE120 3BR17EE123 3BR17EE123 3BR17EE423 3BR17EE437 3BR17EE438 3BR17EE438	VAISHNAVI M CHAVAN VENKATESH KUMAR NAIK M R VIDYASHREE D H VIGNESH WADIYAR VIJAY KUMAR VISHNU E M WILFRED JOSEPH W YASHASWINI U YASHASWINI U YASHASWINI U YASMEEN ZEENATH AFROOZ M GURUNATH MADHU E NAVEEN K R S NAVEEN KUMAR N V PAVANKUMAR B JORAPUR	PYTHON AND DATA STRUCTURES STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION SOLAR POWER PROJECTS PRIVATE LIMITED STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION PYTHON AND DATA STRUCTURES STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION SOLAR POWER PROJECTS PRIVATE LIMITED SOLAR POWER PROJECTS PRIVATE LIMITED STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION PYTHON AND DATA STRUCTURES SOLAR POWER PROJECTS PRIVATE LIMITED SOLAR POWER PROJECTS PRIVATE LIMITED	Q Spiders ALLIPURA SUBSTATION Ballari ALLIPURA SUBSTATION Q Spiders ALLIPURA SUBSTATION Ballari Ballari Ballari ALLIPURA SUBSTATION Q Spiders Ballari Ballari GANGAVATHI SUBSTATION Ballari Ballari	16-08-2021 01-09-2021 24-02-2021 16-08-2021 01-09-2021 24-02-2021 24-02-2021 01-09-2021 16-08-2021 24-02-2021 24-02-2021 24-02-2021 24-02-2021	Mrs. PUSHPALATHA Mrs. PUSHPALATHA Mrs. SUSHPALATHA Mrs. SHANTALA H Mrs. SHANTALA H Mrs. SHANTALA H Mrs. SHANTALA H Mrs. SHANTALA H Mr CHANDAN K R Mr CHANDAN K R Mr. Shashidhara B Mr. Shashidhara B Mr RAGHAVENDRA R M Mr.Vijyakrishna M
111 112 113 114 115 116 117 118 119 120 121 122 123 124	3BR17EE113 3BR17EE115 3BR17EE116 3BR17EE117 3BR17EE118 3BR17EE119 3BR17EE120 3BR17EE120 3BR17EE121 3BR17EE123 3BR17EE433 3BR17EE438 3BR17EE438 3BR17EE440 3BR18EE400	VAISHNAVI M CHAVAN VENKATESH KUMAR NAIK M R VIDYASHREE D H VIGNESH WADIYAR VIJAY KUMAR VISHNU E M WILFRED JOSEPH W YASHASWINI U YASHASWINI U YASHASWINI U YASMEEN ZEENATH AFROOZ M GURUNATH MADHU E NAVEEN K R S NAVEEN KUMAR N V PAVANKUMAR B	PYTHON AND DATA STRUCTURES STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION SOLAR POWER PROJECTS PRIVATE LIMITED STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION PYTHON AND DATA STRUCTURES STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION SOLAR POWER PROJECTS PRIVATE LIMITED SOLAR POWER PROJECTS PRIVATE LIMITED STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION PYTHON AND DATA STRUCTURES SOLAR POWER PROJECTS PRIVATE LIMITED SOLAR POWER PROJECTS PRIVATE LIMITED	Q Spiders ALLIPURA SUBSTATION Ballari ALLIPURA SUBSTATION Q Spiders ALLIPURA SUBSTATION Ballari Ballari ALLIPURA SUBSTATION ALLIPURA SUBSTATION Q Spiders Ballari Ballari GANGAVATHI SUBSTATION Ballari	16-08-2021 01-09-2021 24-02-2021 16-08-2021 16-08-2021 24-02-2021 24-02-2021 01-09-2021 16-08-2021 24-02-2021 24-02-2021 24-02-2021 24-02-2021	Mrs. PUSHPALATHA Mrs. PUSHPALATHA Mrs. SUSHPALATHA Mrs. SHANTALA H Mrs. SHANTALA H Mrs. SHANTALA H Mrs. SHANTALA H Mr CHANDAN K R Mr CHANDAN K R Mr. Shashidhara B Mr. Shashidhara B Mr RAGHAVENDRA R M Mr.Vijyakrishna M

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	3BR18EE402	GADILINGAPPA				
128	SDILIGEE 402	KURUBARA				
129	3BR18EE403	GANESH NAIK L R	STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION	ALLIPURA SUBSTATION	Sep-20	Mr CHANDAN K R
130	3BR18EE405	JAFFER SADIQ ALI	STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION	ALLIPURA SUBSTATION	Sep-20	Mrs RAJYA LAKSHMI
131	3BR18EE406	KAVITHA	STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION	ALLIPURA SUBSTATION	Sep-20	Mrs RAJYA LAKSHMI
132	3BR18EE407	LOKESH NAIK V S	STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION	ALLIPURA SUBSTATION	Sep-20	Mrs RAJYA LAKSHMI
133	3BR18EE408	MANJU NAIK R	STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION	ALLIPURA SUBSTATION	Aug-20	Mrs RAJYA LAKSHMI
134	3BR18EE409	MOINUDDIN	STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION	ALLIPURA SUBSTATION	Aug-20	Mrs RAJYA LAKSHMI
135	3BR18EE410	MOUNIKA	PYTHON AND DATA STRUCTURES	Q Spiders	31-03-2021	Mrs RAJYA LAKSHMI
136	3BR18EE411	N MAHESH KUMAR	STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION	ALLIPURA SUBSTATION	Aug-20	Mr. Shashidhara B
137	3BR18EE412	NIKHIL C	STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION	ALLIPURA SUBSTATION	Aug-20	Mr. Shashidhara B
138	3BR18EE413	NISHAT ANJUM S	STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION	ALLIPURA SUBSTATION	Aug-20	Mr. Shashidhara B
139	3BR18EE414	PRADEEP VARMA K	STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION	ALLIPURA SUBSTATION	Aug-20	Mr. Shashidhara B
140	3BR18EE415	PURUSHOTTAM T	PYTHON AND DATA STRUCTURE	Q Spiders	01-03-2021	Mr. Shashidhara B
141	3BR18EE416	ROOPA SHREE	STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION	ALLIPURA SUBSTATION	Aug-20	Mr. Shashidhara B
142	3BR18EE418	SUMANTHVARMA K	STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION	ALLIPURA SUBSTATION	Aug-20	Mr. GANGADHAR M
	3BR18EE419	SUNITHA M	STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION	ALLIPURA SUBSTATION	Aug-20	Mr. GANGADHAR M
144	3BR18EE421	USHA RANI	PYTHON AND DATA STRUCTURES	Q Spiders	31-03-2021	Mr. GANGADHAR M
145	3BR18EE422	V MOUNIKA	STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION	ALLIPURA SUBSTATION	Aug-20	Mr. GANGADHAR M
146	3BR18EE423	VANAJAKSHI G N	SOLAR POWER PROJECTS PRIVATE LIMITED	Ballari	24-02-2021	Mr. Shashidhara B
147	3BR15EE080	Sharna kumar p	STUDY OF 220/110/11KV RECEIVING & DISTRIBUTION SUBSTATION	ALLIPURA SUBSTATION	Aug-20	Mr RAGHAVENDRA R M
148	3BR16EE417	Madhu sudhan	STUDY OF 110/33/11KV RECEIVING & DISTRIBUTION	GANGAVATHI SUBSTATION	20-04-2021	Mr RAGHAVENDRA R M



B.No	U.S.N	STUDENTS NAME	Mobile No.	Company/Organi zation	GUIDE/ SIGN
	17CV023	Dilip Kumar M	8618185134		Mr. Sund Sadat Ali
5.4	17CV026	G R SaiRaviteja	7411032747		Mr. Syed Sadat Ali
B1	17CV032	Guruprasad P	6360277760	L&T, Bengaluru	(9449606454)
-	17CV047	KuppaSwapna Madhuri	7093519464	-	
	17CV012	Divya.B	6361173861	Construction	
B2	17CV019	Chethan Naik. K	8152047538	Management &	Mr.Ravichandra A H
-	17CV043	Kalavathi. S	9886052794	- Training Institute. Jaynagara,	(7204585122)
	17CV049	L Prajwal Kumar	7899655403	Bengaluru.	
	17CV008	Anitha Lakshmi V A	9900603874		
В3	17CV029	Geethasree B S K	8073221120	Gruhastra	Mr. Anil Kumar HM
	17CV076	Neha Anjum	9480715270	- Constructions, Ballari.	(9900970990)
-	18CV423	Sanjayakumara	9902660099		
	17CV031	Gunda Sai Nithisha	7780144453		
B4	17CV040	Jyothsna P	8431829995	Sri Srinivas Construction Pvt.	Mr. Tanu H M
-	17CV073	Nandini Y	9148235319	Ltd. Ballari.	(8904977889)
-	17CV125	Swetha B	7760578851		
	17CV041	Simran K	7349748725		
B5	17CV058	Manjula	7996537238	Premier Technical	Mr.Ravichandra A H
ľ	18CV404	Chethan BM	7353540031	- Consultants, Ballari.	(7204585122)
-	18CV405	DivyaBai K	9380716800		
	17CV064	Meghana P	9731871721		
B6	17CV069	SaiPrabhu M	7019937857	KMT	Mr. Basavaraj B
-	17CV071	Nagashree	9148025600	- Constructions, Ballari.	(9742921642)
F	17CV075	Navya J	9449204694		



B.No	U.S.N	STUDENTS NAME	Mobile No.	Company/Organi zation	GUIDE/ SIGN	
	17CV057	Manish Kumar	8540025555			
	17CV074	Naveena Hanigi	9482676465	Premier Technical	Mr. Syed Sadat Ali	
B7	17CV081	Pankaj Joshi	9901550639	Consultants, Ballari.	(9449606454)	
	17CV106	Sujendra Goud M	7019100164	Danan.		
	17CV078	Niveditha N	7625018994			
по	17CV087	Priyanka G	7760403751	KPWD Class-I	Mr. Narayanappa	
B8	17CV090	Rakshitha D	9886136964	- Contractor, Hosapete.	(9060085104)	
	17CV095	S Vidya Shree	9113872479			
	15CV038	K Y Rakesh kumar	8123927654			
DO	18CV403	Cheluvadi Harish	8496920416	- National Highways	Mr. S.V.Patil	
B9	18CV436	PayarNath	6005356451	Authority of India	(9902146056)	
	18CV437	Puneet Kumar	9682322945	- (NHAI), Hospete.		
	16CV020	Praveen Kumar G	9738019173			
<b>D</b> 10	16CV037	Manjunath	9481268562	Premier Technical	Dr. T. H Patel (9448056770)	
B10	16CV068	Sharana Basavan	8073047075	- Consultants, Ballari.		
	16CV081	Udaya Kumar	9900578131			
	17CV024	Monisha G	9148342237			
	17CV108	T Swathi	9008410582	GLS	Miss. Brunda A	
B11	17CV115	Vineetha Satyanarayana Siriki	9110631422	Constructions, Bengaluru.	(9591270373)	
	17CV119	Vishalakshi	7259035377			
	17CV093	Suraj S	7411797815			
DIA	17CV094	S Surya	8217690260	GLS	Mr. Srinivas Pujari	
B12	17CV122	Yeshwanth M	7760378237	- Constructions, Bengaluru.	(7676306106)	
	17CV124	Karthik Patil G	8970427471			



B.No	U.S.N	STUDENTS NAME	Mobile No.	Company/Organi zation	GUIDE	
	18CV407	Gireesha K	8792074257			
	18CV408	Gururaj H K	7829097932	Premier Technical	Mr. Md Khalid S	
B13	18CV410	Hemantharaj Y	9901553960	Consultants, Ballari.	(9008659505)	
	18CV416	Purushottama V	7090529157	Dunan.		
	17CV080	Panisurya G	7676859495			
	17CV082	PolakaYerriswamy	7680023897	Sandur Manganese & Iron	Mr. Sagar N S	
B14	18CV411	Jeelan Bhasha P S	9482085504	Ore Ltd., Deogiri.	(9738804430)	
	18CV424	Shabarish	7090383021	– Sandur.		
	18CV413	Kavya J	8095654254	NMDC,		
B15	18CV431	Tulasi	8548892169	Donimalai.	Mr. Narayanappa	
DIS	18CV432	Uma R	6360180566 Sandur.		(9060085104)	
	17CV017	Bheemesha	6360736630			
	17CV022	Dattatreya P G	7022594544	Class-I Contractor,	Mr.Md.Haseebulla M (8792222595)	
B16	17CV036	Ibrahim Khalil Ulla	9480650018	<ul> <li>Huvina Hadagali.</li> <li>Vijaya Nagara.</li> </ul>		
	17CV045	Kote Sharana Basava	8217635079			
	16CV045	Netravathi G L	9353869063			
	18CV421	Sahana Nanyapur	7899639167		Mr. Vinaykumar H	
B17	18CV425	Shailaja .N	9480116805	– PWD, Ballari.	(7019230814)	
	18CV427	Sonali	8296195425			
	17CV070	MuraliKarthik B M	8197220388			
	17CV103	Sindhu K	9900504469	GLS	Mr. Sagar N S	
B18	17CV110	Usha Rani G	8884808328	Constructions, Bengaluru.	(9738804430)	
	17CV120	Vishnu P	9620931883	1		



			Mobile No.		
B.No	U.S.N	STUDENTS NAME		Company/Organi zation	GUIDE/SIGN
	17CV100	Sharat S	6363577915		
		Naduvinamani			
B19	18CV400	Anwar Pasha	8550005592	GRUHASTRA Constructions,	Mrs. Nirmala M V
	18CV420	Sadashiva	8050927818	Ballari.	(7349159724)
	18CV433	VinayakNavali	9986226176		
	17CV038	Javeed Pasha	9902957664		
	17CV067	Mohammed	9113920902		Mr. Shiva Kumar K
B20		Noumaan Faisal		Nirmithi Kendra,	(8123409580)
	17CV068	Mohammed Suhail	9008098701	Ballari.	(0120.00000)
	17CV099	ShaikYunus Pasha	7813883364		
	17CV066	Misba Yasmeen	7892647746		
	17CV086	Priyanaka	7019511419	Aakar	Mr. Ambreesh
B21	17CV109	Triveni	8618575551	- Constructions, Ballari.	(8867239464)
	18CV422	Sahana S	9353861684		
	16CV009	Asha H	8660368337		
Daa	17CV002	Aishwarya P S	7676709545	Nirmithi Kendra,	Mr. Manjunath
B22	17CV060	Manjunatha G S	8050909527	Ballari.	Swamy
	17CV116	Vinod Kumar	9535785636		
	18CV414	Mohammed Sameer B	7026721189		
B23	18CV418	Ramesh K	8147386251	Daruka Builders,	Mr. Srinivas Pujari
523	18CV419	Revathi B S	9164807670	– Siraguppa.	(7676306106)
	18CV426	Shanthi MB	8971298575		
	17CV084	Pradeep	9108197138	SKANDHANSHI	
	17CV085	Prahlad	9632700689	INFRA	
B24	17CV112	Veerabadrappa	7338161324	PROJECTS INDIA Pvt. Ltd.	Mr. Md.Haseebulla
	18CV428	Sumanth C	6364253148	Ballari.	M (879222595)



B.No	U.S.N	STUDENTS NAME	Mobile No.	Company/Organi zation	GUIDE/SIGN
	17CV098	Santosha	8152998745		
	17CV101	Sheshadri K	9380197696	Prime	Mr. Basavaraj B
B25	17CV427	Raju T	8861069596	Ballari.	(9742921642)
	17CV430	Somesh T	7829373822		
	17CV003	Ajay Kumar S Chavan	9008245319		
DOC	17CV004	Akash Pattana Shetty S R	6360644501	Nirmithi Kendra,	Mr. Tanu H M
B26	17CV016	Bharathi	9686399325	Ballari.	(8904977889)
	17CV018	C Mohammed Touqueer Ahmed	9739535786		
	17CV013	B.M Kotresh	9632061924		
B27	17CV079	Paluvuri Ramanjineyulu	8	Mr. Anil Kumar HM	
527	17CV092	Balamanikanta S	7996455590	- Authority of India (NHAI), Hospete.	(9900970990)
	17CV096	Sai Rahul B.S.	7892333254		
	17CV011	Aruna Kumar B	8105049977		
	17CV415	Khuthubuddin	8151963435	Premier Technical	
B28	17CV431	Sridhar S	7026273666	- Consultants, Ballari.	Mr. Jayaram Setty
	18CV415	Muzamil Hussain K	8660748185		
	17CV009	Annappa Gouripur	8951538755		
	17CV015	Bhajantri Durugappa	8861082877	Revolution	Dr. H.
B29	17CV034	Harish Agrahara KS	9686779038	Infrastructure, Hospete.	Mahabaleswara (6361287118)
	17CV046	Krantikumar	9591516520	1	
	17CV033	Guru Shiva Kumar	8660635338		
	17CV035	Harsha Hooli	8050716260	Vastu Vision Builders and	Mr. Ambreesh
B30	17CV059	Manjunath Chakoti	9902593393	Consultancy,	(8867239464)
	17CV077	Ningappa	8095178637	- Gangavathi.	

	17CV030	Couthom Noval D	8747973823		
	170 0050	Goutham Nayak B	0/4/3/3023		
	17CV061	Manoj B M	9108984779	Swati	
B31	17CV104	Sneha	7760368437	Infrastructure, Hospete.	Mr. S.V.Patil (9902146056)
	17CV114	Vinay B C	8105464221		
	17CV054	Maheshwari P	7483109435		
D22	18CV401	Avinash K	8904446455	Smart Civil	Mr. Vinaykumar H (7019230814)
B32	18CV406	G Manikanta	7975665285	Solutions, Ballari.	
	18CV429	Sunil L A	8971322216		
	16CV408	Fakruddin B A	9740151445		
	17CV065	Mirza Basheer Baig	8792744154	Premier Technical	Mr. Shiva Kumar K
B33	17CV088	Syed Mohammed Hashir R	7259299413	Consultants, Ballari.	(8123409580)
	18CV417	R S Srideep	8951435344		
	17CV005	Akbar Hussain	9590452847		
B34	17CV052	Mahammad Abdul Shoeab	7892311717	S.S.S.V.C Engineering &	Mr.Md Khalid S
	17CV053	Mahammad Riyaz	7259905474	Architects, Sindhanur.	(9008659505)
	17CV063	Md Shoaib	7892504066		

Internship Coordinator

Head of the Department

#### **CIRCULAR**

It is here by informed to all the VII Sem students that there project groups and there respective guides have been allotted, further the students are required to meet there guides and discuss about the project work that has to be carried out in VII and VIII sem. The projects should be initiative and analytical must and should, Further you can refer college subscribed Journals for literature survey purpose.

### Internship Batch list for the year 2020 – 21

Bat ch No.	Name of the Student	USN	Student optional area	Alotted faculties (Guide)	Contact No
B1	Shivaprakash M M	3BR17ME127	DESIGN OF SHEETMETAL		7975076581
	A Devika	3BR17ME006	PART model USING catia v5	Dr. Dein leder	9380019698
	Upendra kumar B	3BR17ME144	SOFTWARE	Dr. Raju Jadar	9066991263
	Sujith John	3BR17ME134			7619510850
B2	A Rohith	3BR17ME127	DESIGN OF 3D MODELLING		8123436418
	H. Sai Karthik	3BR17ME110	OF STEAM ENGINE		8050383916
	Syeda Taranum Jahan	3BR17ME140	CROSSHEAD	Prof. Shekar K	7892199965
		3BR17ME077			9110629155
B3	Bakathatti Saibabu	3BR17ME016	Butterfly Valve model		8073567638
	Aravind	3BR17ME012	in catia v5		9483815820
	E V Sai Nikhil	3BR17ME030		Prof.B.Jaya Prakash	7259359990
	Ankush P T	3BR16ME016			8550094072
B4	Chandrashekar V	3BR18ME417	Heating, ventilation,		7795735260
	Mohammed Zubair Hussian	3BR18ME469	and air conditioning		7338036214
	Zibera	3BR18ME511	C C	Prof.Pavan B S	9844402138
	S. Sanjay	3BR18ME488			7406368609
B5	Aaman Sami	3BR17ME005	Various Applications of		9572466652
	Hemanth Raj	3BR17ME044	Lubrication & Bearings		8088388750
	Ajay Chauhan	3BR17ME008		Prof.Shivarama Krishna	9742062900
	Kiran B	3BR16ME076			8152053561
B6	A Bharath	3BR17ME001	DESIGN OF PART		8217811719
	K Shiva kUmar	3BR17ME048	MODEL USING CATIA V5		7411961095
	Hanumantha K	3BR17ME041		Dr.Raghavendra Joshi	8884859652
	Satish Kumar	3BR17ME122			6360617304
B7	G Rakesh Reddy	3BR17ME032	MANUFACTURING OF		8150801752
	, Amar K	3BR17ME011	GLASS		8310090301
	Bheema Shankar B	3BR17ME019		Prof.Srinivasulu V	9535435307
	Girish Joshi	3BR17ME036			7411714419
B8	Shivachandra	3BR16ME197	3D MODELLING OF		9535710451
_	Pramod K	3BR17ME050	BUTTERFLY VALVE		8050742597
	Kondaiah A T	3BR17ME055	USING CATIAV5"	Prof.Gavisiddesha P	8861840971
	Kedar	3BR17ME052			8197903736
B9	Rahul P	3BR16ME110	Theoretical Analysis of Stress		8618412299
	Marriswamy K R	3BR16ME093	and Design of Piston		8073101805
	Akhil K	3BR16ME008	Head using CATIA & ANSYS	Prof.B.Jaya Prakash	9108220100
	Sai Pavan K C	3BR16ME142		,	6363975776
	R Darshan	3BR17ME094	BENEFICATION OF IRON	Drof Groobarsha D.T.	7349041192
B10	Nitin Kumar C A	3BR17ME084	ORE	Prof.Sreeharsha B T	9380056921

	Manikanta	3BR17ME066			9113888372
	Pradeep Kumar S	3BR17ME092			9353088910
B11	Ramanna Gouda	3BR17ME100	SNEHA GLASSICS TUFF		8970236782
	Pavan Kumar E	3BR17ME088			9902765832
	Pradeep	3BR17ME091		Prof.Ravi G	9980465539
	Siddarth M C	3BR17ME058			9481368579
B12	S Jafar Sadiq	3BR17ME107	BMM PELLET PLANT		9060358646
DIZ	Rakesh Gouda V	3BR17ME098			8792053100
	Mohammed Shakir	3BR17ME061		Prof.Manjunath E	8495057077
	Rayees Ahmed Khan	3BR17ME104			8884976591
B13	T Ravi Kumar	3BR17ME104	MANUFACTURING OF		7892723522
DT2		3BR17ME105	GLASS	Prof Paghayandra cotty	9972832572
	S Arjun		GLASS	Prof.Raghavendra setty	
	P Sai Teja	3BR17ME114		G	7010980472
D4.4	Sai Mahanth	3BR17ME112	CAD/CMD TOOLS IN		8123122999
B14	Neeraj Kumar Singh	3BR17ME083	AUTOCAD 3D		8660833235
	Manish Kumar Pandey	3BR17ME067		Dr. Umesh M Daivagna	8496096379
	Sagar Kurali	3BR17ME109		0	7829631959
	Sanketh Pal	3BR17ME120			6360708934
B15	Bhargava Reddy	3BR18ME415	MANUFACTURING OF GLASS		8884177228
	Channabasavanna	3BR18ME477	ULASS		8496811917
	Gouda	3BR18ME456		Prof. Dhanunjay Kumar	9741821869
	Manjunatha gosi	3BR18ME412			8310091050
	B Shivakesava				
B16	Kollli Hemanth	3BR17ME054	3D MODELLING OF BELT		9008777297
	H M Dayanand	3BR17ME038	ROLLER SUPPORT USING CATIA V5	Drof Dogbovondro K	8050678328
	Karanam shreyas	3BR17ME051	CATIA VS	Prof.Raghavendra K	7899677397
	A M Deepak	3BR17ME003			8431351351
B17	K Vivek	3BR17ME049	3D MODELLING OF		9611676167
	D Basavaraj	3BR17ME024	BUTTERFLY VALVE		9945916171
	Darani Kumar S	3BR17ME028	USING CATIA V5	Prof.Vijay Kumar B P	7022390972
	Gagan M	3BR17ME34			6363445446
B18	Nagasuchit S	3BR17ME078	DESIGN OF KNUCKLE JOINT		8884849057
	Nitin Krishna K	3BR17ME085	USING CATIA		9008701840
	Malapati rohit Kumar	3BR17ME064		Dr.V.Vekataramana	9148703223
	Somesh V N	3BR17ME132			6360124093
B19	Majid Ahmed Khan	3BR17ME063	DESIGN OF 3D		998033660
DIJ	Mustq	3BR17ME005	MODELLING OF STEAM		8861561630
	Md Faheem Afzar	3BR17ME070	ENGINE CROSSHEAD	Prof.Vishnu Prasad	9206675204
	Shaik Md Muhib	3BR17ME072			9900774176
020			Duttorflyvolvos		
B20	Rakesh V B	3BR17ME099	Butterfly valves		9148498388
	Naveen S Batakurki	3BR17ME082		Prof.Manjunath T H	8310702891
	Sachin K	3BR17ME108		-	8197511382
<b>D G i</b>	A H M Prajwal	3BR17ME002			8880551166
B21	Venkatesh N	3BR17ME150	DESIGN OF PART MODEL USING CATIA V5		9880344881
	Vinayaka D	3BR17ME154			7204248396
	Vishwanath H	3BR17ME157		Prof.Pavan Kumar B K	8618432373
	Vishwa B M S	3BR17ME158			9663691815
B22	Sumanth K	3BR17ME135	DESIGN OF SHEET		8050338023
	Vaibhav Kuryal	3BR17ME146	METAL USING CATIA V5		9482994465
	Vinay Kulkarni	3BR17ME152		Dr. Ganesh B	9632546821
	Yerriswamy	3BR17ME159			9480914559
B23	Kumar	3BR18ME445	3D MODELLING OF	Drof Paghavandra	7795413144
	Kalyan Kumar B	3BR18ME438	BUTTERFLY VALVE USING	Prof.Raghavendra	7676754570
		051101012-30	CATIA V5	Kurnool	

	Kudithini Viripakshi	3BR18ME444			9972117960
	Kiran Kumar B	3BR18ME441			9916396612
B24	Gurunath R M	3BR18ME427			7406327596
024	Hagari Lingappa k	3BR18ME429			8971856658
	Rajesh A	3BR18ME484		Prof.Kalyan Babu	8317439723
	Ravi	3BR18ME485			8792699417
B25	V.Chiranjeevi	3BR18ME485	HVAC		7019875424
DZJ	Sajja Venkatesh	3BR18ME419	HVAC		8747075494
	Md. Saqlain	3BR18ME468		Prof.Mayur D Pawar	9513259179
	Naveen T	3BR18ME475			9108112866
B26	Siddaraja B K	3BR18ME495	CASTING PROCESS		8123275930
020	Vijay Kumar	3BR18ME506			8880088784
	Md. Shafi	3BR18ME464		Prof. Shivakumar.S.Y	9686210335
	Hadapada karthik	3BR18ME428			7022221538
B27	Mahendra K	3BR17ME062	3D MODELLING OF		7996475157
027	Gagan Chandu R	3BR17ME002	STEAM ENGINE		9916376217
	Pavan Kumar G	3BR17ME035	CROSSHEAD USING	Prof.Maharaja Gouda	8951432571
	Pavan U	3BR17ME080	CATIA V5		9482413882
B28	Praveer A	3BR17ME093	NATIONAL MINERAL		9449677398
DZO	Santosh K	3BR16ME071	DEVELOPMENT CO-		9705768444
	Manjunath B	3BR17ME068	OPERATION, DONIMALAI	Dr.Anil Kumar H M	8884301463
	Madhusudan S	3BR17ME008 3BR17ME059			
020	Vinod B				9113245288
B29		3BR17ME155			7899160572
	Sandeep kumar S G Shivu Kumar C	3BR17ME118 3BR17ME128	CASTING PROCESS	Prof. Venkatesh K C	9632200448 9008863565
020	Yogesh B Nadeem Sultan	3BR17ME160	HEATING VENTILATION AND		9353564161
B30	Muzamil M R	3BR18ME461	AIR CONDITIONING (HVAC)		8904717457 7975638313
		3BR18ME460 3BR18ME436		Prof.Md Fayaz	9845708344
	K Jagadish	3BR18IVIE430 3BR18ME432			9845708344
B31	Imtiyaz G Siddaram		SNEHA GLASSICS TUFF		9347136208
B31	Samir Hussain	3BR17ME130 3BR17ME117	SILLIN OLIMOSICS TOTT		9740879374
	Shaik Nawaz			Prof.Santosh V Janmatti	
	Md. Abdul Khadar	3BR17ME125 3BR17ME071			9164456871 7353421691
B32	H Yashwanth Kumar		3D MODELLING OF		
B3Z		3BR17ME045	KNUCKLE JOINT USING		8123686511
	H Basavana Gowda K	3BR17ME040	CATIAV5	Prof.Taranath A	8951316524
	Hari Krishna	3BR17ME042			9113015881
222	Chandramouli SSM	3BR17ME020			7022685842
B33	Md. Nawaj D K	3BR18ME462			9019059064
	Md. Asif	3BR18ME466		Prof. Suraj V Yadahalli	8310943330
	Anitha B B S Latha	3BR17ME162 3BR18ME411			8197455874
D24			3D MODELLING OF		6364246468
B34	Iqbal S	3BR17ME046	STEAM ENGINE		996839622
	Sadiq	3BR17ME060	CROSSHEAD USING	Dr.Lakshmikumari	7892640757
	C H Niteesh	3BR17ME022	CATIA V5		7022049010
D25	Sunil P	3BR17ME136			8310522934
B35	Teju Swaroop	3BR15ME218			8328061108
	M Abhishek	3BR15ME096		Prof. Rajashekar K	9967874100
	Md Wasim Akram	3BR15ME130			9148928870
<b>D</b> 2C	Bharath Kumar H C	3BR15ME031			8660146521
B36	Mounesha Makara kawi Bai	3BR18ME416	3D MODELLING OF KNUCKLE JOINT USING CATIAV5		6361049873
	Mekara kavi Raj	3BR18ME476		Prof. Banakar Nagaraj	9886655468
	Udhakara C	3BR18ME497			6360444097
	Mahantesh K	3BR18ME452			7022938482

<b>D</b> 27		20040045402	DESIGN OF PART		7250654005
B37	Ajay Kumar E	3BR18ME402	MODEL USING CATIA V5		7259651995
	Vali Prashanth Kumar	3BR18ME503		Dr.Raghavendra Joshi	8748943869
	K Laxminarayana	3BR18ME448		5	9591808051
	Veeresh M	3BR18ME504			9380655862
B38	Sireesha V	3BR17ME126	CATIA V5 FUNDAMENTALS		8150862248
	Saroja	3BR18ME491		Dr.Lakshmikumari	8197289721
	Surya banu	3BR18ME500		DILLARSHITIKUTTAT	8722495924
	Farath Fareen	3BR17ME077			9110629155
B39	Darshan Kayadad	3BR17ME026	DATA ANALYTICS ON		9148292881
	Samarth Vernekar	3BR17ME115	RECOGNIZING		9611919508
	Sanjay M	3BR17ME119	HANDWRITTEN DIGITS	Dr.V.Vekataramana	9964034047
	Suraj Pal	3BR17ME137	WITH SCIKIT-LEARN		7996347639
B40	Manjunath V	3BR18ME458	3D MODELLING OF STEAM		8971397062
D40	Danraj Kumar V	3BR18ME420	ENGINE CROSSHEAD USING		6361790196
	Babu Bharath M		CATIA V5	Dr. Raju Jadar	
		3BR18ME413			8553309154
<b>D</b> 4 4	Chandra sekhar Reddy	3BR18ME418			874605259
B41	Uday Kumar V	3BR16ME180	CNC MACHINING		7899928237
	Sharan Pujar	3BR15ME196		Prof.Raghavendra K	9535957614
	Bharath Kumar	3BR16ME029			8105241418
	Shiv Prabhu A	3BR16ME163			8660470074
B42	Yuvraj G	3BR18ME510	SVE CASTINGS PVT LTD		8123664423
	Harisha M	3BR18ME430		Dr. Umesh M Daivagna	8971877902
	Bharath K	3BR18ME414			7795807950
	Jiru Prakash	3BR18ME437			8331837281
B43	Uttam G	3BR18ME502	3D MODELLING OF STEAM		8495942233
	Suresh Kumara	3BR18ME499	ENGINE CROSSHEAD USING CATIA V5	Dr. Ganesh B	7090308571
	Mahndra U	3BR18ME454	CATIA VS	Dr. Gallesir D	9535630925
	Raghu B	3BR18ME482			7353826290
B44	Vikas T	3BR17ME151	3D MODELLING OF		908964649
	Vinay Kumar k	3BR17ME153	STEAM ENGINE CROSSHEAD USING	Prof.Manjunath T H	8105600492
	Siddarth	3BR17ME131	CATIA V5	FIOI.Manjunati i H	9880255790
	Yogesh M	3BR17ME161			9632213248
B45	Gadilingappa Nayakara	3BR18ME422	HOT STRIP MILL		9986359488
	Roshan Zameer	3BR18ME487			9844193833
	Akash S	3BR18ME404		Dr. Anil Kumar H M	8445833323
	Sushanth P	3BR18ME501			8951278796
B46	Khaji Zunaid Ahmed	3BR18ME440	MANUFACTURING OF		7899875594
-	Md Tayab Ali Farak	3BR18ME465	GLASS		7760340024
	Muaz Ballary	3BR18ME470		Prof. Dhanunjay Kumar	9538622727
	Md Asif	3BR18ME451			7204332409
B47	Pavan Kalyan P	3BR18ME479	STUDY ON CASTING		9008841999
2.7	Muralidhar V	3BR18ME471	PROCESS		9743968899
	Vishwanath	3BR18ME508		Prof. Banakar Nagaraj	7676405259
<b>B</b> • 6					
B48	S K Md Gouse Samdani	3BR17ME123			9036755664
	Venkatesh B	3BR17ME149		Prof.Srinivasulu V	7026025602
	Usama Junaid	3BR17ME145			7019755399
	Syed Md Mohsin	3BR17ME138			9632122491
B49	G B Madhu Babu	3BR18ME450	MANUFACTURING OF		7411440870
	Akhil M	3BR18ME405	GLASS	Prof. Sekhar K	8123032091
	Srinivas Naidu A	3BR18ME496		FIUL SERIIOL N	9036912776
	Mahendra B M	3BR18ME453			7760613515

B50	Kiran Naik Pandurangha P R Kishan B Suvarna Akash Kumar	3BR18ME442 3BR18ME478 3BR18ME486 3BR18ME403	3D MODELLING OF STEAM ENGINE CROSSHEAD USING CATIA V5	Prof.Shivaramakrishna	9110861119 9008500404 9663007195 9113559783
B51	Pradeep U Harshavardhan Reddy P Ajay Kumar Y	3BR18ME480 3BR18ME431 3BR18ME509	casting process in SVE casting	Prof.Pavan Kumar B K	7411569509 8880488849
B52	Abhisheka C Kishore Kumar Jagadish K Kumara K	3BR18ME400 3BR18ME443 3BR18ME435 3BR18ME446	Continous Galvanizing Line	Prof.Mayur D Pawar	8151941627 8095647609 9986990037 9113523745
B53	Akhil Gowda R Nagamurthy K M Sharath Kumar S B Vinod Raj M	3BR17ME403 3BR17ME467 3BR17ME489 3BR17ME508		Prof.Sreeharsha B T	8050771002 7760353871 9845075662 9535848652

HOD Dr. Y. BASAVARAJ Project Co-ordinator Prof. B. VISHNU PRASAD

<b>AT 1</b>		ST OF INTERNSHIP FOR THE YEA	
SL.No	USN	NAME OF THE STUDENT	NAME OF THE ORGANIZATION
1	3BR19MBA01	A NEELAKANTA	Organization study on The Fertilisers And Chemicals Travancore Limited
2	3BR19MBA02	A PAVAN KUMAR	Organization study on Emami limited
3	3BR19MBA03	AFREEN B	Organization study on Jk cement ltd
4	3BR19MBA04	AISHWARYA BANAGAR	Organization study on Entertainment network india ltd
5	3BR19MBA05	AISHWARYA K	Organization study on Equitas Holdings Ltd.
6	3TR19MBA02	MEDA SHAVIKA	Organization study on Exide industries ltd
7	3TR19MBA03	MEGHA S	Organization study on Eveready industries India 1td
8	3TR19MBA04	MOHAMMAD S	Organization study on Daruka hardware house pvt ltd
9	3TR19MBA05	MUNAWAR JAHA S	Organization study on Gail India pvt Ltd
10	3TR19MBA06	MUSHEER AHMED	Organization study on Gokaldas exports ltd
11	3TR19MBA07	Muzamul M.D	Organizational Study at ABBOTT PVT LTD
12	3BR19MBA06	Akash Gupta	Organization Study on A & M FEBCON LTD
13	3BR19MBA08	Akhila N	Organizational Study at AARVEE DENIMS AND EXPORTS LTD
14	3TR19MBA09	Sri Vidhya Lakshmi	Organizational Study at ACKNIT INDUSTRIES LTD
15	3TR19MBA10	Nandini D	Organizational Study at ACTION CONSTRUCTION EQUIPMENT LTD
16	3BR19MBA09	Ambresh M.G	Organizational Study at AANCHL ISPAT LTD
17	3TR19MBA01	Mehaboob Basha G	Organizational Study at ABB Pvt Ltd
18	3TR19MBA11	Naveen Kumar	Organizational Study at ACTIVE CLOTHING CO. LTD
19	3TR19MBA08	N Pavan Kumar Reddy	Organizational Study at ACC LTD
20	3BR19MBA10	Amith B U	Organizational Study at AARON INDUSTRIES LIMITED
21	3BR19MBA11	AMITHA	BRANDHOUSE RETAIL LIMITED
22	3BR19MBA12	ANGADI BASAVARAJU	BRINDAVAN COMMERCIAL LTD
23	3BR19MBA13	ANJALI	BRITANIA INDUSTRY LIMITED
24	3BR19MBA14	ANURADHA P	C & C CONSTRUCTION LTD
25	3BR19MBA16	ARUN NAYAKA J	C J GELATINE PRODUCT LIMITED
26	3TR19MBA12	NAVEEN KUMAR N S	CALCUTTA SILK MFG.CO LTD
27	3TR19MBA13	NEELGAL NIKHIL KUMAR REDDY	CALEDONIAN JUTE & INDUSTRIES LIMITED
28	3TR19MBA15	OMKRISHNA A	CAMAC COMMERCIAL COMPANY LIMITED
29	3TR19MBA16	P NOMICA	FEDDERS ELECTRIC & ENGINEERING LTD
30	3TR19MBA17	PAVAN KALYAN	FIEM INDUSTRIES LIMITED
31	3BR19MBA17	ASHA B	ADANI ENTERPRISES LTD
32	3BR19MBA18	B KEERTHANA	ADITYA BIRLA CAPITAL LTD
33	3BR19MBA19	BOYA SARDHAR	AJWA FUN WORLD AND RESORT LTD
34	3BR19MBA20	CHITTURI PRAVEEN	ADD LIFE PHARMA COMPANY LIMITED
35	3BR19MBA21	D LAVANYA	ADITYA BIRLA FASHION & RETAIL LIMITED
36	3TR19MBA18	PAVAN KUMAR P MONI	Not submitted
37	3TR19MBA19	PAVANI V	AGIO PAPER AND INDUSTRIES LTD
38	3TR19MBA20	POOJA M	AJOONI BIOTECH LIMITED
39	3TR19MBA21	POOJITHA P	AJANTHA PHARMA LIMITED
40	3TR19MBA22	POONAM JANGID	AGRIMAS CHAMICALS LTD
41	3BR19MBA22	D PRADEEP KUMAR	ASHIRWAD STEELS &INDUSTRIES

42	3BR19MBA23	DEEPTHI N	ARUNA HOTELS LTD
43	3BR19MBA24	DHANUJA SUNKARAVALLI	ARCHIES LTD
44	3BR19MBA25	DHARANI R C	ASHAPURI GOLD ORNAMENTS
45	3BR19MBA26	DURGAPRASAD G	ASHOK LEYLAND LTD
46	3TR19MBA24	PRAVEENA KUMARA H	APTECH LTD
47	3TR19MBA25	PREM TEJ S	ASAHI INDIA GLASS LTD
48	3TR19MBA26	PRIYANKA	ARCHANA SOFTWARE LTD
49 •	3TR19MBA27	PRIYANKA R V	AQUA LOGISTICS
50	3TR19MBA28	PRUTHVI S	APT PACKAGING LTD
51	3BR19MBA27	DURUGAPPA H	Alkem Laboratories Ltd
52	3BR19MBA28	EDIGA VIJAY KUMAR GOUD	Amara Raja Batteries Ltd
53	3BR19MBA29	EJANTHAKAR DEVI PRASAD	Ambuja Cements Ltd
54	3BR19MBA30	FARAZ KHAN	Amco India Ltd
55	3BR19MBA31	G AKHILESH	Ambalal Sarabhai Enterprises Ltd
56	3TR19MBA29	PUTTAGUNTA PRADEEP	Alok Industries Ltd
57	3TR19MBA30	R G TRIVENI	Alembic Pharmaceuticals Ltd
58	3TR19MBA31	R PRAJVAL GOWDA	Alembic Ltd
59	3TR19MBA32	R RADHA KRISHNA	Akzo Nobel India Ltd
60	3TR19MBA33	R SHRUTHI	Akme Star Housing Finance Ltd
61	3BR19MBA32	G RAGHAVENDRA	B2B Technologies LTD
62	3BR19MBA33	G RAVINDRA	Bajaj Finserv LTD
63	3BR19MBA34	G SRILEKHA REDDY	Axis Bank LTD
64	3BR19MBA35	G TRIVENI	Bharat Petroleum Corporation LTD
65	3BR19MBA36	G VENKAT HARISH	Bajaj Electrical LTD
66	3TR19MBA34	RAGHUMAHA REDDY U	Bharat Heavy Electrical LTD
67	3TR19MBA35	RAJESHWARI M	Bank of India
68	3TR19MBA36	RAKSHIT KUMAR E	Bank of Baroda
69	3TR19MBA37	RAMESHA	Bajaj Consumer Care LTD
70	3TR19MBA38	RAMYA K	Bajaj Auto LTD
71	3BR19MBA37	GADILINGA G	Dabur India Ltd
72	3BR19MBA38	GANDHAM KALYANI	Dalmia Bharat Sugar & Industries Ltd
74	3BR19MBA41	H PAVAN	Deepak Fertilizers & Petrochemicals Corp Ltd
75	3BR19MBA42	H S SUMA	Deccan Cements Ltd
76	3TR19MBA39	RAMYA SHREE D	Delta Corp Ltd
77	3TR19MBA40	RASHMI B	DCM Shriram Ltd /
-			www.shriramfarmsolutions.com
78	3TR19MBA41	RAVI KUMAR	Datamatics Global Services Ltd
79	3TR19MBA42	RAVIKIRAN SHAILENDRA SHEMBEKAR	DCB Bank Ltd
80	3TR19MBA43	RAVIKUMAR A	Dai-ichi Karkaria Ltd
81	3BR19MBA43	H SWETHA	BETA DRUGS LIMITED
82	3BR19MBA44	HANUMATHAPPA B	NIL
83	3BR19MBA45	HANUMESH	NIL
84	3BR19MBA46	HARISH L	BEML LIMITED
85	3BR19MBA47	HARITHA B	BANSWARA SYNTEX LIMITED
86	3TR19MBA44	REKHA B	BANSAL ROOFING PRODUCTS LIMITED
87	3TR19MBA45	RESHMITHA GULLAPALI	BHAGWATI AUTOCAST LIMITED
88	3TR19MBA47	ROSHAN SANJU ABRAHAM	BHANDARI HOSIERY EXPORTS LIMITED
89	3TR19MBA48	S ZIA NAAZ	BHARAT BIJLEE LIMITED
90	3TR19MBA49	SABA KOUSAR	BHARAT GEARS LIMITED
91	3BR19MBA48	HARSHITA	APL METALS LIMITED
92	3BR19MBA49	HEENA AFREEN	ANMOL INDIA LIMITED
93	3BR19MBA50	HONNURUSAB P	APIS INDIA LIMITED

94	3BR19MBA51	HUSSAIN BASHA F	ANJANI SYNTHETICS LIMITED
95	3BR19MBA52	I V NIRMAL	APOORVA LEASING FINANCE AND
			INVESTMENT COMPANY LIMITED
96	3TR19MBA50	SABITHA	ANDHRA CEMENTS LIMITED
97	3TR19MBA51	SAGAR M T	ANANT RAJ LIMITED
98	3TR19MBA52	SAGAR R	APPOLLO TYRES LIMITED
99	3TR19MBA53	SAHANA R K	ANDHRA PETROCHEMICALS LIMITED
100	3TR19MBA54	SEEMA	ANTARIKSH INDUSTRIES LIMITED
101	3BR19MBA53	IRFAAN HUSSAIN	CIPLA LTD
102	3BR19MBA54	ISHWARYA LAKSHMI	CITIZEN INFOLINE LTD
		KAKUMANI	
103	3BR19MBA55	JAFFRI KHATOON	CINDRELLA HOTELS LTD
104	3BR19MBA56	JAYALATHA S	CITY UNION BANK LTD
105	3BR19MBA57	JEER MAHESHA	CKP LEISURE LTD
106	3TR19MBA55	SHANKARA REDDY P	COCHIN MALABAR ESTATES AND
107	3TR19MBA56	SHARATH KUMAR K	INDUSTRIES LTD COFFEE DAY ENTERPRISES LTD
107	3TR19MBA50 3TR19MBA57	SHARATH KUMAR K SHEFALI JAIN	COLGATE-PALMOLIVE (INDIA) LTD
108	3TR19MBA57 3TR19MBA59	SHEFALI JAIN SHILPAKALA M G	COASTAL ROADWAYS LIMITED
	3TR19MBA59	SHIVAKUMARA S	CITIZEN YARNS LTD
110			
111	3BR19MBA58	JEEVAN V	CONFIDENCE FINANCE AND TRADING
112	3BR19MBA59	JITHENDRA Y	CONTINENTAL FISCAL MANAGEMENT
			LTD
113	3BR19MBA60	JOSHNA V	CORAL INDIA FINANCE AND HOUSING
			LTD
114	3BR19MBA61	K ALTAF HUSSAIN KURESH	II COX AND KINGS FINANCIAL SERVICES
115	3BR19MBA62	K VIJAYALAKSHMI	LTD CREST VENTURES LTD
115	3TR19MBA61	SHIVARAJ M	CRISIL LTD
117	3TR19MBA62	SHOBHA	CRP RISK MANAGEMENT LTD
117	3TR19MBA62	SHRAVANI S	CREATIVE MERCHANTS LTD
110	3TR19MBA64	SHRUTHI	C V STEELS LTD
119	3TR19MBA65	SINCHII SINDHU M	CUBICAL FINANCIAL SERVICES LTD
120	3BR19MBA63	KAKARLA SREELATHA	Bliss GVS Pharma Ltd
121	3BR19MBA64	KAMAKEA SKEELATIIA KAMAKSHI N	Bindal Exports Ltd
122	3BR19MBA65	KANAKSHI N KARADE SHRAVANI	Biocon Ltd
123	3BR19MBA66	KARANAM NITHYA	Birla Corporation Ltd
124	3BR19MBA60 3BR19MBA67	KARUTURI THANMAYI	Black Rose Industries Ltd
125	3TR19MBA66	SOWMYA V P	Biopac India Corporation Ltd
120	3TR19MBA66	SOWMAA V P SREELATHA R C	Binani Industries Ltd
127		SRINIVAS G	Bharti Airtel Ltd
	3TR19MBA68		
129	3TR19MBA69	SRINIVAS V	Bheema Cements Ltd
130	3TR19MBA70	SUMA DEVALE	Bilcare Ltd
131	3BR19MBA68	KAVYA SHREE P	ASIAN OILFIELD SERVICES LIMITED
132	3BR19MBA69	KEERTHI SRI	ATLAS CYCLES PRIVATE LIMITED
133	3BR19MBA70	KRISHNA PRAKASH HARLALKA	ASIAN TEA AND EXPORTS LTD
134	3BR19MBA71	KUMBARA BINDUPRIYA	ASM TECHNOLOGIES LTD
135	3BR19MBA72	LINGARAJ B	ASTER DM HEALTHCARE LTD
136	3TR19MBA71	SURESH M	ASTRA MICROWAVE PRODUCTS LIMITED
137	3TR19MBA72	SURYAKUMARI K	ATUL AUTO LTD
138	3TR19MBA73	SUSHMA REDDY G	AU SMALL FINANCE BANK LTD
139	3TR19MBA74	SWATHI L	AUROBINDO PHARMA LIMITED
140	3TR19MBA76	TEJASHWINI N	AUTOMOTIVE AXLES LIMITED
141	3BR19MBA73	LOKESH K	DR. REDDY'S LABORATORIES LTD.
142	3BR19MBA74	M ASHWAQH HUSSAIN	DHAMPUR SUGAR MILLS LTD.

143	3BR19MBA75	M JAYASHREE	DELHI LAND AND FINANCE LTD.	
144	3BR19MBA76	M NIKHIL	DIXON TECHNOLOGIES LTD.	
145	3BR19MBA77	M SHAFI ULLA BAIG	DIVIS LABORATORY LTD.	
146	3TR19MBA79	V BASAVARAJESHWARI	DISH TV INDIA LTD.	
147	3TR19MBA80	V S MONIKA	DHANUKA AGRITECH LTD.	
148	3TR19MBA81	VARUNI R	DFM FOODS PVT.LTD.	
149	3BR19MBA83	MANOJ B R	DYNACHEM PHARMACEUTICALS LTD.	
150	3BR19MBA84	MANTHA SATHYANARAYANA	EARUM PHARMACEUTICALS LTD.	
151	3BR19MBA86	PUJITHA D	ELEGANT PHARMACEUTICALS LTD.	
152	3TR19MBA83	VEERESHA A	ECOPLAST LTD.	
153	3BR19MBA78	MADUGONDE NAYANA	CANADA BANK	
154	3BR19MBA79	MAHITHA GULLAPALI	CENTURY TEXTILES & INDUSTRIES LTD	
155	3BR19MBA80	MALLIKARJUNA	-	
156	3BR19MBA81	MANASA SAI	CENTRAL BANK OF INDIA	
157	3BR19MBA82	MANJUNATHA	CACUTTA ELECTRICITY SUPPLY CORPORATION	
158	3TR19MBA77	TEJASHWINI T	CHAMBAL FERTILIZERS & CHEMICAL LIMITED	
159	3TR19MBA78	UMESHA S	CEAT LTD	
160	3TR19MBA82	VEENA G	CASTROL INDIA LTD	
161	3TR19MBA58	SHILPA	CAMLIN FINE SCIENCE LTD	
162	3BR19MBA85	MATTETTU SHESHADRI PRIYANKA	ELDER PHARMACEUTICALS LTD	
163	3TR19MBA84	VELAGALA VENKAT REDDY	EICHER MOTORS LIMITED	
164	3TR19MBA85	HEMAVATHI Y	TATA MOTORS LIMITED	
165	3TR19MBA86	B.YERRISWAMY	ELELWEISS FINANCIAL SERVICES LTD	

#### SCHEDULE OF EVENTS TO BE CONDUCTED BY RESPECTIVE BATCH 2020-21

DATE/ PROJECT	NEW TANK PROJECT	OLD TANK PROJECT	HIGHWAY ALIGNMENT	SANITARY & WATER SUPPLY- TOWN PLANNIG AND LAYOUT
28-03-21	<b>B1</b> ( <b>Total stations</b> ) (1) Capacity Survey by Block leveling. (2) Details at waste weir (block levelling) and sluice points.	C/S	<b>B5</b> (Total stations) (1)Profile(L/S), C/S and bearings to run alignment from plain to slope terrain ( i.e. from A to B, min 1 to 1.5 Km stretch)	<b>B7</b> (Conventional survey) (1) Locating source of water supply (surface or sub surface) point, establishing Bench Mark. (2) Preparing the village map with reference to source of water supply using chain and compass. (3) L/S & C/S for the proposed alignment for both mains and laterals.
	<b>B2</b> ( <b>Total stations</b> ) (1)L/S & C/S for bund alignment. (2) L/S & C/S for canal alignment	<b>B4</b> (Total stations) (1)Capacity survey to explore quantity.	<b>B6</b> (Total stations) (1)Profile(L/S), C/S and bearings to run alignment from slope terrain to plain (i.e. from B to A, min 1 to 1.5 Km stretch)	B8 (Conventional survey) (1)Dividing the whole area into number of blocks in dimension of facility for a planned town. (2) Conducting block leveling.
	<b>B1</b> (Total stations) (1)L/S & C/S for bund alignment. (2) L/S & C/S for canal alignment	<b>B3</b> (Total stations) (1)Capacity survey to explore quantity.	<b>B5</b> (Total stations) (1)Profile(L/S), C/S and bearings to run alignment from plain to slope terrain ( i.e. from A to B, min 1 to 1.5 Km stretch)	B7 (Conventional survey) (1)Dividing the whole area into number of blocks in dimension of facility for a planned town. (2)Conducting block leveling.
29-03-21	<b>B2</b> (Total stations) (1) Capacity Survey by Block leveling. (2) Details at waste weir (block levelling) and sluice points.	C/S	<b>B6</b> (Total stations) (1)Profile(L/S), C/S and bearings to run alignment from slope terrain to plain (i.e. from B to A, min 1 to 1.5 Km stretch)	<b>B8</b> (Conventional survey) (1) Locating source of water supply (surface or sub surface) point, establishing Bench Mark. (2) Preparing the village map with reference to source of water supply using chain and compass (3) L/S & C/S for the proposed alignment for both mains and laterals

#### SCHEDULE OF EVENTS TO BE CONDUCTED BY RESPECTIVE BATCH ON 21/22 - 01 - 2019

DATE/ PROJECT	NEW TANK PROJECT	OLD TANK PROJECT	HIGHWAY ALIGNMENT	SANITARY & WATER SUPPLY- TOWN PLANNIG AND LAYOUT
30-03 -21	<b>B3</b> (Total stations) (1) Capacity Survey by Block leveling. (2) Details at waste weir (block levelling) and sluice points.	<b>B5</b> (Total stations) (1)Bund alignment L/S & C/S (2)Details of waste weir and sluice point	<b>B7</b> (Total stations) (1)Profile(L/S), C/S and bearings to run alignment from plain to slope terrain ( i.e. from A to B, min 1 to 1.5 Km stretch)	B1 (Conventional survey) (1) Locating source of water supply (surface or sub surface) point, establishing Bench Mark. (2) Preparing the village map with reference to source of water supply using chain and compass. (3) L/S & C/S for the proposed alignment for both mains and laterals.
	<b>B4</b> (Total stations) (1)L/S & C/S for bund alignment. (2) L/S & C/S for canal alignment	<b>B6</b> (Total stations) (1)Capacity survey to explore quantity.	<b>B8</b> (Total stations) (1)Profile(L/S), C/S and bearings to run alignment from slope terrain to plain (i.e. from B to A, min 1 to 1.5 Km stretch)	B2 (Conventional survey) (1)Dividing the whole area into number of blocks in dimension of facility for a planned town. (2) Conducting block leveling.
	B3 (Total stations) (1)L/S & C/S for bund alignment. (2) L/S & C/S for canal alignment	<b>B5</b> (Total stations) (1)Capacity survey to explore quantity.	<b>B7</b> (Total stations) (1)Profile(L/S), C/S and bearings to run alignment from plain to slope terrain ( i.e. from A to B, min 1 to 1.5 Km stretch)	<b>B1</b> (Conventional survey) (1)Dividing the whole area into number of blocks in dimension of facility for a planned town. (2)Conducting block leveling.
31-03 -21	<b>B4</b> (Total stations) (1) Capacity Survey by Block leveling. (2) Details at waste weir (block levelling) and sluice points.	<b>B6</b> (Total stations) (1)Bund alignment L/S & C/S (2)Details of waste weir and sluice point	<b>B8</b> (Total stations) (1)Profile(L/S), C/S and bearings to run alignment from slope terrain to plain (i.e. from B to A, min 1 to 1.5 Km stretch)	<b>B2</b> (Conventional survey) (1) Locating source of water supply (surface or sub surface) point, establishing Bench Mark. (2) Preparing the village map with reference to source of water supply using chain and compass (3) L/S & C/S for the proposed alignment for both mains and laterals

#### SCHEDULE OF EVENTS TO BE CONDUCTED BY RESPECTIVE BATCH ON 23/24 - 01 - 2019

DATE/ PROJECT	NEW TANK PROJECT	OLD TANK PROJECT	HIGHWAY ALIGNMENT	SANITARY & WATER SUPPLY- TOWN PLANNIG AND LAYOUT
01-04 -21	<b>B5</b> (Total stations) (1) Capacity Survey by Block leveling. (2) Details at waste weir (block levelling) and sluice points.	<b>B7</b> (Total stations) (1)Bund alignment L/S & C/S (2)Details of waste weir and sluice point	<b>B1</b> (Total stations) (1)Profile(L/S), C/S and bearings to run alignment from plain to slope terrain ( i.e. from A to B, min 1 to 1.5 Km stretch)	B3 (Conventional survey) (1) Locating source of water supply (surface or sub surface) point, establishing Bench Mark. (2) Preparing the village map with reference to source of water supply using chain and compass. (3) L/S & C/S for the proposed alignment for both mains and laterals.
	<b>B6</b> ( <b>Total stations</b> ) (1)L/S & C/S for bund alignment. (2) L/S & C/S for canal alignment	<b>B8</b> (Total stations) (1)Capacity survey to explore quantity.	<b>B2</b> (Total stations) (1)Profile(L/S), C/S and bearings to run alignment from slope terrain to plain (i.e. from B to A, min 1 to 1.5 Km stretch)	B4 (Conventional survey) (1)Dividing the whole area into number of blocks in dimension of facility for a planned town. (2)Conducting block leveling.
	<b>B5</b> (Total stations) (1)L/S & C/S for bund alignment. (2) L/S & C/S for canal alignment	<b>B7</b> (Total stations) (1)Capacity survey to explore quantity.	<b>B1</b> (Total stations) (1)Profile(L/S), C/S and bearings to run alignment from plain to slope terrain ( i.e. from A to B, min 1 to 1.5 Km stretch)	B3 (Conventional survey) (1)Dividing the whole area into number of blocks in dimension of facility for a planned town. (2)Conducting block leveling.
02-04-21	<b>B6</b> (Total stations) (1) Capacity Survey by Block leveling. (2) Details at waste weir (block levelling) and sluice points.	<b>B8</b> (Total stations) (1)Bund alignment L/S & C/S (2)Details of waste weir and sluice point	<b>B2</b> (Total stations) (1)Profile(L/S), C/S and bearings to run alignment from slope terrain to plain (i.e. from B to A, min 1 to 1.5 Km stretch)	B4 (Conventional survey) (1) Locating source of water supply (surface or sub surface) point, establishing Bench Mark. (2) Preparing the village map with reference to source of water supply using chain and compass (3) L/S & C/S for the proposed alignment for both mains and laterals

#### SCHEDULE OF EVENTS TO BE CONDUCTED BY RESPECTIVE BATCH ON 25/26 - 01 - 2019

DATE/ PROJECT	NEW TANK PROJECT	OLD TANK PROJECT	HIGHWAY ALIGNMENT	SANITARY & WATER SUPPLY- TOWN PLANNIG AND LAYOUT
03-04-21	<b>B7</b> (Total stations) (1) Capacity Survey by Block leveling. (2) Details at waste weir (block levelling) and sluice points.	C/S	<b>B3</b> (Total stations) (1)Profile(L/S), C/S and bearings to run alignment from plain to slope terrain ( i.e. from A to B, min 1 to 1.5 Km stretch)	<b>B5</b> (Conventional survey) (1) Locating source of water supply (surface or sub surface) point, establishing Bench Mark. (2) Preparing the village map with reference to source of water supply using chain and compass. (3) L/S & C/S for the proposed alignment for both mains and laterals.
	<b>B8</b> ( <b>Total stations</b> ) (1)L/S & C/S for bund alignment. (2) L/S & C/S for canal alignment	<b>B2</b> (Total stations) (1)Capacity survey to explore quantity.	<b>B4</b> (Total stations) (1)Profile(L/S), C/S and bearings to run alignment from slope terrain to plain (i.e. from B to A, min 1 to 1.5 Km stretch)	B6 (Conventional survey) (1)Dividing the whole area into number of blocks in dimension of facility for a planned town. (2)Conducting block leveling.
	<b>B7</b> (Total stations) (1)L/S & C/S for bund alignment. (2) L/S & C/S for canal alignment	<b>B1</b> (Total stations) (1)Capacity survey to explore quantity.	<b>B3</b> (Total stations) (1)Profile(L/S), C/S and bearings to run alignment from plain to slope terrain ( i.e. from A to B, min 1 to 1.5 Km stretch)	<b>B5</b> (Conventional survey) (1)Dividing the whole area into number of blocks in dimension of facility for a planned town. (2)Conducting block leveling.
04-04-21	<b>B8</b> (Total stations) (1) Capacity Survey by Block leveling. (2) Details at waste weir (block levelling) and sluice points.	<b>B2</b> (Total stations) (1)Bund alignment L/S & C/S (2)Details of waste weir and sluice point	<b>B4</b> (Total stations) (1)Profile(L/S), C/S and bearings to run alignment from slope terrain to plain (i.e. from B to A, min 1 to 1.5 Km stretch)	<b>B6</b> (Conventional survey) (1) Locating source of water supply (surface or sub surface) point, establishing Bench Mark. (2) Preparing the village map with reference to source of water supply using chain and compass (3) L/S & C/S for the proposed alignment for both mains and laterals.

### **Extensive Survey Project Batch list – 2020-2021**

Total number of students = 119

Number of boys from PUC back ground = 44

Number of girls from PUC back ground = 31

Number of boys from DIP back ground =29

Number of girls from DIP back ground = 15

# **Extensive Survey Project Batch list 2020-2021**

# BATCH 1

SL. NO	USN	NAME
1	18CV062	SHARANABASAVA SAJJAN (Team Leader)
2	18CV009	CHANNABASAVA
3	18CV048	PRUTHVIRAJ G
4	18CV018	E. SAI KUMAR
5	18CV032	M TARUN
6	16CV025	JAVED AKTAR
7	18CV026	JHANVI MANASGAL
8	18CV066	SHASHIKALA KURI
9	18CV070	SONIYABEGUM
10	19CV423	P .MALLIKARJUNA
11	19CV432	SOMASEKHAR. G
12	19CV403	ARUN .V. RATOD
13	19CV408	GEETHA .S
14	19CV409	GOUSIYA BEGUM D L

SL. NO	USN	NAME
1	18CV075	SYED MOHAMMED ARSHAD (Team Leader)
2	17CV014	BASAVARAJA H K
3	18CV014	DEEPU G HIREMATH
4	18CV052	RAHUL N MOOLIMANI
5	18CV080	VEERESH .E
6	18CV058	Y .RAVI RAJ
7	18CV008	BHOOMIKA E
8	18CV039	NIKHILA M
9	17CV091	ROOPA SHREE. U
10	18CV079	VAISHNAVI .V. BALLUR
11	19CV405	ASLAM BASHA K
12	19CV406	C .S .MARUTHI
13	19CV411	HARI KRISHNA
14	19CV437	VEDAVATHI G
15	19CV438	VEENA N P

SL. NO	USN	NAME
1	18CV027	JADESH J (Team Leader)
2	18CV021	G SAI VENKAT
3	18CV041	P S SHIVA KUMAR
4	17CV056	MANIKANTA V.K
5	17CV097	SANTOSH HUDDAR
6	18CV023	Н РООЈА
7	18CV040	NIKITHA V S
8	18CV057	RAMYASHREE R RATHOD
9	18CV081	VIJAYA LAXMI. A
10	19CV440	WASEEM AKRAM K
11	19CV410	GOVINDA V
12	19CV407	DHARMA NAIK
13	19CV412	HEMANTHA B
14	17CV415	KEERTI D
15	19CV413	K ASHWINI

SL. NO	USN	NAME
1	19CV400	AKSHATHA.B.H (Team Leader)
2	18CV001	ABHISHEK GUJJAL
3	18CV067	SHIVSHANKAR
4	18CV046	Y PRAVEEN KUMAR
5	18CV078	UDAY KIRAN .A .M
6	18CV073	SUKANYA .B. N
7	18CV083	MANAVI USHA RANI
8	18CV056	RAMYA P V
9	15CV350	NAYANA KUMARI SV
10	16CV015	DADI NAGA SAI JAYANTH
11	18CV434	VINAY SAGAR
12	19CV439	VINAY KUMAR K
13	19CV427	RAMA KUMARA .K.H
14	18CV006	B. VINAY KUMAR
15	19CV428	ROHINI

SL. NO	USN	NAME
1	19CV414	KAUSHIK R (Team Leader)
2	18CV068	SIDDESH D
3	18CV044	PAVAN KUMAR B
4	17CV089	RAJASHEKHARA .J .N
5	17CV105	SUDARSHANA REDDY K
6	18CV030	M HARICHANDANA
7	18CV051	RADHA D A
8	18CV045	PRABHAVATHI S
9	18CV003	ANUSHA
10	19CV402	ANUSHA .B .M
11	19CV401	AMRUTHA M
12	18CV034	MANJUNATH B
13	19CV415	KHAJA BANDE NAWAZ C
14	19CV417	MANJUNATH H R
15	18CV065	SHARANABASAVA S NAYAK

# BATCH 5

SL. NO	USN	NAME
1	17CV062	ABDUL RAHIMAN (Team Leader)
2	18CV076	TARUN KUMAR .M
3	18CV082	VISHAL KUMAR .M
4	18CV050	PUTTARAJ PATIL C S
5	16CV419	NAGARAJ N
6	18CV047	PREETI .G. PATIL
7	18CV020	G DEEPA
8	18CV004	ARPITA KOLKAR
9	19CV425	PRASHANTH KUMAR E
10	19CV416	KUSHAL YADAV G
11	19CV435	UPPAR VEERESH.K
12	19CV436	VARUN.S
13	19CV424	PAVITHRA D
14	19CV420	NAGENDRAMMA V
15	19CV429	SHOBHA B

# BATCH 7

SL. NO	USN	NAME
1	18CV077	THIPPESWAMY .R (Team Leader)
2	18CV015	DINESH AMARESH D
3	18CV007	BHANU PRAKASH K P
4	18CV025	JASHVA DANIEL SAGAR H Y
5	17CV113	VIJAY SING NAIKA D
6	19CV421	NAVEEN KUMAR .V
7	19CV434	NAVEEN U
8	19CV430	SHRAVANI G.V
9	15CV046	GURU PRASAD M
10	18CV069	SINDU N R
11	18CV063	SAHANA SUMANJALI H V
12	18CV024	HEMALATA
13	18CV038	NETHRAVATHI M
14	19CV426	RAJINI D

SL. NO	USN	NAME
1	18CV042	PAKKURTHY KUSHALI (Team Leader)
2	17CV409	FATHE MD SIDDIQUE SHAIK
3	18CV074	SUNEELA KUMARA
4	19CV422	NAZEERAHMED K
5	19CV418	MANOJ.D
6	18CV049	PUSHPALATHA S B
7	18CV054	H RAMAKRISHNA
8	18CV005	B AARATHI
9	18CV010	CHANNAPPA B DANGALLA
10	18CV012	D YASHASHWINI
11	18CV016	DIVYA SHREE R JOSHI
12	18CV017	DODDABASAVANAGOUDA K
13	18CV019	E V SANTOSH
14	19CV431	SRIKANTH JOSHI
15	18CV435	VINOD KUMAR T V

#### BITM BALLARI DEPT OF CIVIL ENGG

#### **EXTENSIVE SURVEY PROJECT FACULTY ALLOTMENT**

SL NO	NAME OF THE PROJECT	NAME	DESIGNATION
		Mr. Basavaraj B	Asst Prof
		Mr. Shiva Kumar K	Asst Prof
1	New tank project	Mr. Syed Sadath Ali	Asst Prof
	1 5	Mr. Jayarama Setty K	Asst Prof
		Mr. Srinivas Pujari	Asst Prof
		Mr. Nagaraj N	Instructor
		Mr.Md Khalid S	Asst Prof
		Mr. Anil Kumar H M	Asst Prof
		Mr.Tanu H M	Asst Prof
2	Old tank project	Mr. Narayanappa Venkappa	Asst Prof
		Mr. Manjunath Swamy M A	Asst Prof
		Mr. Fathe Md Siddique Shaik	Instructor
		Mr.Ravichandra A H	Asst Prof
		Mr. VinayKumar Hunagund	Asst Prof
		Mr. Sharanabasava V Patil	Asst Prof
3	Highway project	Miss.Brunda A	Asst Prof
		Mr. Chethan B M	Instructor
		Dr. T. H Patel	Prof
4	Town planning	Mr. Sagar N S	Asst Prof
	and layout &	Mrs.Nirmala M V	Asst Prof
	Sanitary and water supply	Mr. Mohammed Haseebulla M	Asst Prof
		Mr. Ambareesh V	Asst Prof
		Mr. Keshava Murthy	Instructor

Date: 01.03.2021

Principal Ballcri Institute of Technology & Management BELLARY Dr.T.H. PATEL

B.E., M.Tech., Ph.D. **Prof**essor & HOD **Dept of Civil Engineerin** BITM, BALLARI.