

**NARASARAOPETA**  
**ENGINEERING COLLEGE**

(AUTONOMOUS)

### **3.4.1 (1)**

**Inclusion of research ethics in the  
research methodology course  
work**

**NARASARAOPETA ENGINEERING COLLEGE (AUTONOMOUS)**  
**DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION**  
**R16 COURSE STRUCTURE**

**I MBA- I SEMESTER**

S.No	Subject	L	T	P	Internal Marks	External Marks	Total Marks	Credits
1	Principles and Practice of Management	3	1	-	40	60	100	3
2	Managerial Economics	3	1	-	40	60	100	3
3	Accounting for Managers	3	1	-	40	60	100	3
4	Managerial Communication & Soft Skills	3	1	-	40	60	100	3
5	Business Environment	3	1	-	40	60	100	3
6	Quantitative Analysis for Business Decision	3	1	-	40	60	100	3
7	IT-Workshop	-	-	4	40	60	100	2
8	Verbal Ability (MC)	2	-	-	-	-	-	-
<b>TOTAL</b>		<b>20</b>	<b>6</b>	<b>4</b>	<b>280</b>	<b>420</b>	<b>700</b>	<b>20</b>

**I MBA- II SEMESTER**

S.No	Subject	L	T	P	Internal Marks	External Marks	Total Marks	Credits
1	Financial Management	3	1	-	40	60	100	3
2	Human Resource Management	3	1	-	40	60	100	3
3	Marketing Management	3	1	-	40	60	100	3
4	Production and Operations Management	3	1	-	40	60	100	3
5	Organisational Behaviour	3	1	-	40	60	100	3
6	E-Business(ERP & e-commerce)	3	1	-	40	60	100	3
7	Business Lab	-	-	4	-	50	50	2
8	Quantitative Aptitude & Reasoning-I (MC)	2	-	-	-	-	-	-
9	Sports (MC)	-	-	2	-	-	-	-
<b>TOTAL</b>		<b>20</b>	<b>6</b>	<b>6</b>	<b>240</b>	<b>410</b>	<b>650</b>	<b>20</b>

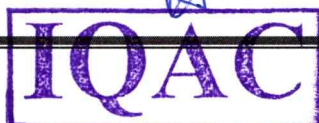


**II MBA - III SEMESTER**

S.No	Subject	L	T	P	Internal Marks	External Marks	Total Marks	Credits
1	Corporate Laws	3	1	-	40	60	100	3
2	Strategic Management	3	1	-	40	60	100	3
3	Business Research Methodology	3	1	-	40	60	100	3
4	Elective –I	3	1	-	40	60	100	3
5	Elective –II	3	1	-	40	60	100	3
6	Elective –III	3	1	-	40	60	100	3
7	Elective –IV	3	1	-	40	60	100	3
8	Quantitative Aptitude & Reasoning-II (MC)	2	-	-	-	-	-	-
9	Sports (MC)	-	-	2	-	-	-	-
<b>TOTAL</b>		23	7	2	280	420	700	21

**II MBA - IV SEMESTER**

S.No	Subject	L	T	P	Internal Marks	External Marks	Total Marks	Credits
1	Cost & Management Accounting	3	1	-	40	60	100	3
2	Entrepreneurship Development	3	1	-	40	60	100	3
3	Business Ethics and Values	3	1	-	40	60	100	3
4	Elective –V	3	1	-	40	60	100	3
5	Elective –VI	3	1	-	40	60	100	3
6	Elective –VII	3	1	-	40	60	100	3
7	Elective –VIII	3	1	-	40	60	100	3
8	Comprehensive Viva-Voce	-	-	-	100	-	-	4
9	Major Project	-	-	-	-	-	-	4
10	NSS (MC)	-	-	2	-	-	-	-
11	Advanced Communication Skills (MC)	2	-	-	-	-	-	-
<b>TOTAL</b>		23	7	2	380	420	700	29



II MBA - I SEM	L	T	P	INTERNAL MARKS	EXTERNAL MARKS	TOTAL MARKS	Credits
	3	1	0	40	60	100	3
<b>BUSINESS RESEARCH METHODOLOGY</b>							

**COURSE OUTCOMES: The student is able to**

CO1: Explain fundamentals of Business research methodology and its significance.

CO2: Define and Develop research problem.

CO3: Understand sample and census survey and measuring techniques.

CO4: Design data collection techniques.

CO5: Develop data processing procedures and apply tools.

CO6: Draft thesis/report writing.

**SYLLABUS:****UNIT-I: INTRODUCTION TO RESEARCH**

Meaning, purpose, Characteristics, motivation in research, Research approaches, types, Research methods and methodology, Research process, Defining research problem, research design, evaluative criteria for good research design.

**UNIT-II: SAMPLING DESIGN**

Census and sample survey, characteristics, Types of sample design, Random and non-random sampling, errors in sampling, advantages and limitations of sampling

**UNIT-III: MEASUREMENT AND SCALING TECHNIQUES**

Measurement in research, scales, Techniques of developing measurement tools, scale classification, Likert's scale, semantic scale, Thurstone Scale, Interval Scale and multi-dimensional scaling.

**UNIT-IV: DATA COLLECTION-METHODS**

collection of primary data, observation method, Interview method, collection of data through Questionnaire and schedules- Collection of secondary data- selection of appropriate method for Data collection-Guidelines for developing Questionnaire, successful interviews, Reliability and Validation of data.

**UNIT-V: PROCESSING AND ANALYSIS OF DATA**

Editing, Coding, classification, Tabulation of data; and data validation- methods of data presentation- types of data analysis: Quantitative and Qualitative – Statistics in Research; Descriptive and inferential Statistics-Descriptive statistics: measures in central tendency, Dispersion, Asymmetry, and Cross-tabulations, Limited problems on testing of hypotheses like parametric and non-parametric t-test, z-test, Anova, Sign test.

**UNIT-VI: RESEARCH REPORT WRITING**

Purpose, Types, Steps, Format of research report, Criteria of good research report, Pre-writing considerations-Final presentations of the Research Report-Idea of referencing, Bibliography, Footnotes and end notes, Formats of publications in Research journals.

**Relevant cases have to be discussed in each unit and in examination case is compulsory from any unit.**

**TEXT BOOKS:**

1. Business Research Methods, William G. Zikmund; Cengage publications, 2006.
2. Research methodology Methods & Techniques, C.R. Kothari; 2/e, New Age international, 2004.

**REFERENCES:**

1. Business Research Methodology, J.K. Sachdeva; Himalaya, 2009.
2. An introduction to statistical Methods, C.B.Gupta & Vijay Gupta; Vikas, 2009.



  
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**R19 MBA**  
**COURSE STRUCTURE**

**I MBA- I SEMESTER**

S.No	Course Code	Subject	L	T	P	Internal Marks	External Marks	Total Marks	Credits
1	19MBA1TH01	Management Theory & Organizational Behaviour	4	0	-	40	60	100	4
2	19MBA1TH02	Economics for Managers	4	0	-	40	60	100	4
3	19MBA1TH03	Accounting for Managers	4	0	-	40	60	100	4
4	19MBA1TH04	Managerial Communication & Soft Skills	4	0	-	40	60	100	4
5	19MBA1TH05	Business Environment	4	0	-	40	60	100	4
6	19MBA1TH06	Quantitative Analysis for Business Decisions	4	0	-	40	60	100	4
7	19MBA1LB01	IT for Managers-I	-	-	4	40	60	100	2
<b>TOTAL</b>			24	0	4	280	420	700	26

**I MBA- II SEMESTER**

S.No	Course Code	Subject	L	T	P	Internal Marks	External Marks	Total Marks	Credits
1	19MBA2TH01	Financial Management	4	0	-	40	60	100	4
2	19MBA2TH02	Human Resource Management	4	0	-	40	60	100	4
3	19MBA2TH03	Marketing Management	4	0	-	40	60	100	4
4	19MBA2TH04	Production and Operations Management	4	0	-	40	60	100	4
5	19MBA2TH05	Business Research Methodology	4	0	-	40	60	100	4
6	19MBA2TH06	Business Law	4	0	-	40	60	100	4
7	19MBA2LB01	IT for Managers-II	-	-	4	40	60	100	2
8	19MBA2MP01	Mini Project	-	-	-	100	-	100	2
<b>TOTAL</b>			24	0	4	380	420	850	28



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I MBA-II-SEMESTER	L	T	P	INTERNAL MARKS	EXTERNAL MARKS	TOTAL MARKS	CREDITS
<b>Code: 19MBA2TH05</b>	4	0	0	40	60	100	4
<b>BUSINESS RESEARCH METHODOLOGY</b>							

**COURSE OUTCOMES: The student is able to**

CO1: Adapt the fundamentals of Business research methodology. [K6]

CO2: Identify research problem. [K3]

CO3: Apply sample and census survey and measuring techniques. [K6]

CO4: Design data collection techniques. [K6]

CO5: Develop data processing procedures and apply tools. [K6]

CO6: Draft thesis/report writing. [K2]

**SYLLABUS:**

**UNIT-I: INTRODUCTION TO RESEARCH**

Introduction, Meaning, Definition, purpose, motivation in research, types of research, Research process, Technique involved in Defining research problem, Important concepts relating to research design.

**UNIT-II: SAMPLING DESIGN**

Meaning and Definition of sample, Steps in sample design, Types of sample design (Probabilistic and Non-probabilistic sampling), errors in sampling, advantages and limitations of sampling.

**UNIT-III: DATA COLLECTION-METHODS**

collection of primary data, observation method, Interview method, collection of data through Questionnaire and schedules- Collection of secondary data- selection of appropriate method for Data collection-Guidelines for developing Questionnaire, successful interviews.

**UNIT-IV: MEASUREMENT AND SCALING TECHNIQUES**

Measurement in research, scales, Techniques of developing measurement tools, scale classification, Likert's scale, semantic scale, Thurston Scale, Interval Scale and multi-dimensional scaling.

**UNIT-V: PROCESSING AND ANALYSIS OF DATA**

Editing, Coding, classification, Tabulation of data; and data validation- methods of data presentation- types of data analysis: Quantitative and Qualitative – Statistics in Research; Descriptive and inferential Statistics-Descriptive statistics: measures in central tendency, Dispersion, Asymmetry, and Cross-tabulations, Limited problems on testing of hypotheses like parametric and non-parametric t-test, z-test, Anova.

**UNIT-VI: RESEARCH REPORT WRITING**

Meaning of report, Types, Steps, Format of research report, Criteria of good research report, Pre-writing considerations-Final presentations of the Research Report-Idea of referencing, Bibliography, Footnotes and end notes, formats of publications in Research journals.

**Relevant cases have to be discussed in each unit and in examination case is compulsory from any unit.**



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**TEXT BOOKS:**

1. Business Research Methods, William G. Zikmund; Cengage publications, 2006.
2. Research methodology Methods & Techniques, C.R. Kothari; 2/e, New Age international, 2004.
3. N.D.Vohra: —*Quantitative Techniques in Management*l, Tata- McGraw Hill Private Limited, New Delhi, 2011.
4. D P Apte: —*Operation Research and Quantitative Techniques*l, 12. Excel Publication, New Delhi, 2013.

**REFERENCE BOOKS:**

1. Business Research Methodology, J.K. Sachdeva; Himalaya, 2009.
2. An introduction to statistical Methods, C.B.Gupta & Vijay Gupta; Vikas, 2009.
3. Anand Sharma: —**Quantitative Techniques for Business decision 10. Making**l, Himalaya Publishers, New Delhi, 2012.
4. Donald R Cooper and Pamela S Schindler, **Research Methods**, 9th edition, Tata McGraw Hill Publishing Company Limited, New Delhi, 2009.



  
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# NARASARAOPETA ENGINEERING COLLEGE (AUTONOMOUS)

Kotappakonda Road, Yellamanda (Post), Narasaraopet – 522601, Guntur District, A.P., India.

Approved by AICTE, New Delhi & Permanently affiliated to JNTUK, Kakinada, Code: 47,

Accredited by NBA & NAAC, ISO 9001: 2015 Certified Institution

Phone: 08647-239905 Website: [www.nrtec.in](http://www.nrtec.in)

Date: 27/12/2018

## CIRCULAR

We wish to inform that we will be organizing a One-day Workshop on "Research Methodology" on 31<sup>st</sup> December, 2018. Faculty members and students are requested to be present in the **Main Seminar Hall (Block 3)** at 2.30 pm.

Timings: 2.30 am to 5.00 pm

  
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Concerned members through their HODs

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| • AO        | • HOD, TPC  |
| • HOD, CE.  | • HOD, MCA  |
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Phone: 08647-239905 Website: [www.nrtec.in](http://www.nrtec.in)

**Date: 03/03/2019**

## Program Report

**Program Name:** A one-day work-shop on Research Methodology

**Date/Duration:** 31<sup>st</sup> Dec 2018 / 2.30 pm to 5.00 pm

**Name of the Resource person:**

1. Dr. K L NARAYANA-Dean, Research & Development- K L University.

**Number of participants:** 74

**Program objective:**

- Enabling the participants to understand various Research Methodologies that can be directly used to conduct research and meet training objectives and learning outcomes.
- Enabling participants to learn about qualitative, quantitative, hybrid and online research.
- Enabling participants to select the best suitable training methods.
- Preparing Research Papers and Reports, as well as Publishing in ISSN Research Journals.

**Topics covered:** In order to make the participants capable of doing quality research work the course will cover the following things:

- Basic Concepts in Research Methodology
- Research Process
- Literature Review and Sources of Information
- Research Design

- Research Proposal formation
- Research Paper and Research Report

**Program outcome:** At the end of this course, the students should be able to:

- understand some basic concepts of research and its methodologies
- identify appropriate research topics
- select and define appropriate research problem and parameters
- prepare a project proposal (to undertake a project)
- organize and conduct research (advanced project) in a more appropriate manner
- write a research report and thesis
- write a research proposal (grants)

  
Convener (IQAC)  




  
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## ATTENDANCE STATEMENT

S.NO	ROLL NO	STUDENT NAME	SIGNATURE
1	16471A05F7	JAYA SRI	JAYA SRI
2	16471A05L0	VEERAVALLI MANI TEJA	VEERAVALLI MANI TEJA
3	16471A05M5	GATTINENI PAVAN THRINESH	G. Pavan Thrinesh
4	16471A05N6	TATAGIRI VAMSI SAMUEL	T. Vamsi Samuel
5	17471A0502	SHAIK GOUSE MASTAN VALI	S. Mastan Vali
6	17471A0503	NUNNA VIJAYA KRISHANA	N.V. Krishana
7	17471A0504	KOLLIPARA HEMA SAI MOURYA GUPTA	K. Hema Sai Mourya Gupta
8	17471A0505	Y E V PRATAP KUMAR KUCHI	Y.E.V. Pratap Kumar Kuchi
9	17471A0507	SATULURI VIJAYA LAKSHMI	S. Vijayalakshmi
10	17471A0508	RACHA O S N V SAIKIRAN	R. Sai Kiran
11	17471A0509	GANDHAM SUSHMA	GANDHAM SUSHMA
12	17471A0510	KOPPULA KALI NAGA BHUVANESWARI	K. Kali Naga Bhuvaneshwari
13	17471A0511	BOMMISSETTY VIJAYA LAKSHMI	B. VIJAYA Lakshmi
14	17471A0512	GUMMADI INDUPRIYA	G. Indu Priya
15	17471A0513	BODLAPATI SOWMYA REDDY	B. Sowmya
16	17471A0514	VALLURI VENKATA NAGA SAI VIDHYADHARI	V. V. N. S. Vidhyadhari
17	17471A0515	ATCHUTANNA L V N S APARNA PRAVALLIKA	A. V. N. S. A. Pravallika
18	17471A0516	GUNDA HARI NAGA ANUSHA	G. H. Naga Anusha
19	17471A0517	POLA ADITYA LAKSHMI MANASA	P. A. L. Manasa
20	17471A0518	KALANGI RAVITEJA	Kalangi. Raviteja
21	17471A0520	BETHAMCHARLA SAI VENKAT SUBHASH	BETHAMCHARLA Sai Venkat Subhash
22	17471A0521	ATHKURI LAKSHMI NARENDRA KUMAR	ATHKURI. Lakshmi Narendra Kumar
23	17471A0522	CHILUKOTI NAGAPAVAN	C. Naga Pavan
24	17471A0523	MANNAM DEEPTHI	MANNAM DEEPTHI
25	17471A0524	GONUGUNTLA SAI AKHIL	G. Sai Akhil
26	17471A0525	BHAVANAM ANUSHA	B. Anusha
27	17471A0526	VATTI VENKATALAKSHMA REDDY	V. Venkata Lakshma Reddy

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28	17471A0527	BOMMIDALA VASU VENKATA NAGA SAI KUMAR	B.V.V.N Sai Kumar.
29	17471A0528	PADALA TEJASWINI	P. Tejaswini
30	17471A0529	THOTA VIGNESH	T. Vignesh
31	17471A0530	GAJULA MUKUNDA RAO	G. Mukunda Rao
32	17471A0531	TALANKI VENKATAJHANSISUPRIYA	T. Venkata Jhansi supriya
33	17471A0533	KOTHA THARUN TEJA	K.T. Teja
34	17471A0534	VENNAPUSA ANANTH REDDY	V-Ananth Reddy
35	17471A0535	KOTA ASWINI	K. Aswini
36	17471A0536	RAMADUGU LAKSHMI SURESH GOPAIAH	R. Lakshmi Suresh Gopaiah
37	17471A0537	PACHIPULUSU RAGHUVeer	P. Raghuvier
38	17471A0538	GUNDA TARUN	G. Tarun
39	17471A0539	KOTHURI SUPRIYA	K. Supriya
40	17471A0540	CHITTABATHINA PRIYANKA	C. Priyanka
41	17471A0541	VIVEK REDDY KAMIREDDY	V. Reddy Kamireddy
42	17471A0542	KAKUAMANU SREERAM LAKSHMINARAYANA	K.S. L. Narayana
43	17471A0543	GRANDHI KOKILA	G. Kokila
44	17471A0544	MADDI VENKATA SIVA MANOHAR	Venkata Siva
45	17471A0545	GOTTIPATI ASHOK	G. Ashok
46	17471A0546	VANKAYALA SRI VIDYA	V. Vidya
47	17471A0547	TALLAPALLI SRAVANI	T. Sravani
48	17471A0548	CHAVALI VYSHNAVI	Chavali Vyshnavi
49	17471A0549	THOTA PURNA VAMSI KRISHNA NAIDU	T. Vamsi Krishna
50	17471A0550	MADDI VENKATA NAGA YAMINI PRIYA	M. Priya
51	17471A0551	KOMMANABOINA MOHANA KALYANI	K. Kalyani
52	17471A0552	DAMARLA KRISHNA VAMSI	D. Vamsi
53	17471A0554	PULAGAM SAI VENKATESH	P. Sai Venkatesh
54	17471A0555	ALETI ARUN VENKATA SAI RAM	A. Arun Sai Ram
55	17471A0556	VENGALASETTY PAVANKALYAN	V. Pavan Kalyan
56	17471A0557	NALLABOYINA RAVI TEJA	N. Ravi Teja
57	17471A0559	MOGAL SUBHANI	M. Subhani
58	17471A0561	NADELLA RAVITEJA	N. Raviteja
59	17471A0562	SHAIK MASTANVALI	S. Mastanvali
60	17471A0563	PACHIPALA VENKATA NIVAS	P. Nivas
61	17471A0564	MALE SAI PRASANTH	M. Prasanth

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62	17471A0565	MADDI VENKATA DINESH	M.V. Dinesh
63	17471A0566	YANNAM SRIKANTH REDDY	Y. Srikanth Reddy
64	17471A0567	BURRI VENKATESWARLU	Burri Venkateswarlu
65	17471A0570	SIDDAMSETTY SIVA SAI KUMAR	S. Siva Sai Kumar
66	17471A0572	DOREDLA VEERA VENKATA LOKESH GUPTA	Doredla Veera Venkata Lokesh Gupta
67	17471A0573	GOPAVARAPU DIVYA	G. Divya
68	17471A0574	PIDUGU AKHILA	P. Akhila
69	17471A0575	KODURU SHANMUKHA LAKSHMI PAVAN KUMAR	Pavan Kumar
70	17471A0576	GUNTUPALLI VENKATA NAGA PANDURANGA SAI	G. Venkata Naga Pandurangasai
71	17471A0577	SEETARAM SESI KIRAN NANDANAMPATI	Seetharam Sesi Kiran Nandanampati
72	17471A0578	DABBUKOTTU MAHESH	D. Mahesh
73	17471A0579	VENIGALLA SAIKUMAR	V. Sai Kumar
74	17471A0580	JANDHYALA SAI LAKSHMI BHARATHI	Jandhyala Sai Lakshmi Bharathi

  
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**Date: 04/03/2018**

## CIRCULAR

Department of MBA is conducting a two-day work-shop on Research Methodology using SPSS in association with Siva Sivani Institute of Management, Hyderabad on 7 and 8<sup>th</sup> March 2018 at 9.30 AM. The resource person is Dr. K. Sasi Kumar, Siva Sivani Institute of Management, Hyderabad. Faculty members and students are requested to be present in the Main Seminar Hall (Block 3) at 9.30 am.

**Timings:** 9.30 am to 1.30 pm

  
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**Date: 10/03/2018**

## **Program Report**

**Program Name:** A two-day work-shop on Research Methodology using SPSS

**Date/Duration:** 7-8<sup>th</sup> March 2018 / 9.30 am to 1.30 pm

**Name of the Resource person:**

1. Dr. K. Sasi Kumar, Siva Sivani Institute of Management, Hyderabad

**Number of participants:** 92

**Program objective:** The objective of this course is to provide an overview of the quantitative & qualitative research methods, assist immersion in specific techniques, and engage the participants with the key debates in the area, including those that argue on the essential unity of the logic of inference across research methods—qualitative as well as quantitative. The workshop will also introduce the participants to the key texts in the area of thematic focus, and introduce them to the approach of qualitative as well as quantitative research methods, specific tools, and techniques of data organization and analysis.

- Training and skill development in context of how to write research paper for publication.
- Training on analysing data (both qualitative and quantitative).
- Field survey
- Special emphasis on various qualitative approaches and mixed method.

**Topics covered:** In order to make the participants capable of doing quality research work the course will cover the following things:

- Nature of Scientific Methods and its Application to Social Phenomenon.

- Nature, Importance and Scope of Research.
- Types of Research: Historical, Analytical, Interdisciplinary, Evaluative, Participative and Action Research
- Steps in the Process of Research
- Types of Research Design
- Concepts in Research: Variables, Attributes, Hypotheses, research questions, objectives, review of literature, limitation, delimitation, statement of problem, operational definition etc.

**Program outcome:** Demonstrate the ability to choose methods appropriate to research aims and objectives. Understand the limitations of particular research methods. Develop skills in qualitative and quantitative data analysis and presentation. Develop advanced critical thinking skills.

  
Convener (IQAC)





*Mha*  
**Principal**  
**NARASARAOPETA ENGINEERING COLLEGE**  
**(AUTONOMOUS)**  
**NARASARAOPETA - 521 601.**  
**Guntur (Dist.), A.P.**



# NARASARAOPETA ENGINEERING COLLEGE (AUTONOMOUS)

Kotappakonda Road, Yellamanda (Post), Narasaraopet – 522601, Guntur District, A.P., India.

Approved by AICTE, New Delhi & Permanently affiliated to JNTUK, Kakinada, Code: 47,

Accredited by NBA & NAAC, ISO 9001: 2015 Certified Institution

Phone: 08647-239905 Website: www.nrtec.in

**Programme: Entrepreneurship Awareness**

**Date: 11/07/2018**


## ATTENDENCE STATEMENT

S.NO	ROLL NO	STUDENT NAME	SIGNATURE
1	17471E0001	BANDIKATLA JYOTHI NAVEEN KUMAR	
2	17471E0002	KOMARISSETTY NAGA SRI	K. Nagasri
3	17471E0003	AJAY PALEPOGU	P. Ajay
4	17471E0004	SARDANA SOWJANYA	S. Sowjanya
5	17471E0005	THOKALA VENKATESWARLU	T. Venkateswarlu
6	17471E0006	ACHYUTA VEERA SAI HARISH	A. Veera Sai Harish
7	17471E0007	GUNDA VENU GOPAL REDDY	G. Venu Gopal Reddy
8	17471E0008	THAMMISSETTY TIRUPATHAIAH	T. Tirupathaiiah
9	17471E0009	DARSI VENKATESH	D. Venkatesh
10	17471E0010	VIJAYANANDAN PRIYANKA	V. Priyanka
11	17471E0011	SIKHAKOLLI NAVYA MOUNIKA	S. Navya Mounika
12	17471E0012	KOTHA SUNIL KUMAR	K. Sunil Kumar
13	17471E0013	BANDLA SIVANNARAYANA	B. Sivan narayana
14	17471E0014	MAMILLAPALLI SANTHI SWARUPA	M. Swanupa
15	17471E0015	NARISSETTI CHINNA BALA JOSEPH	N. B. Joseph
16	17471E0016	PABBISSETTY SATYA VENKATA MANIDEEP	P.S.V. Manideep
17	17471E0017	BRUNDAVANAM JYOTHI SRI PRIYANKA	B.V.S.S. Priyanka
18	17471E0018	MAMIDI NAMITHASRI	M. NAMITHASRI
19	17471E0019	LANKA SAI MANASA	L. Sai Manasa
20	17471E0020	KONDEPATI APARNA	K. Aparna
21	17471E0021	PATHAN RAHAMTHULLA	P. Rahamthulla
22	17471E0022	PAMUDIRTHI GOPI	P. Gopi
23	17471E0023	SHAIK JANI BASHA	SK. Jani Basha
24	17471E0024	KAKUMANU TARUN MAHESH	K. Tarun Mahesh
25	17471E0025	PARAM NAGARJUNA	P. Nagarjuna
26	17471E0026	POPURI CHANDU BABU	P. Chandu Babu
27	17471E0027	SRIDEVI GUNJI	G. Sridevi
28	17471E0028	KARNATI TRIVENI	K. Triveni
29	17471E0029	TURLAPATI VAKULA MADHAVI	T.V. Madhavi

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30	17471E0030	SINGAMAREDDY SUNEETHA	S. Sunetha.
31	17471E0031	KITCHAMSETTY BALA KIRAN	K. Bala Kiran
32	17471E0032	DOREDLA RADHAKRISHNA MURTHY	D. Radhakrishna
33	17471E0033	NUNE SUNIL KUMAR	N. Sunil Kumar
34	17471E0034	NARNEPATI VEERANJANEYULU	N. Veeraanjaneyulu
35	17471E0035	SHAIK SHABBEER	SK. Shabbeer.
36	17471E0036	GALI VENKATA KOTESWARA RAO	G. Venkata Koteswara Rao.
37	17471E0037	SIRIBOYINA SRINIVASA RAO	S. Srinivasa Rao.
38	17471E0038	GULLAPALLI VENKATA MANI KISHORE	G. Venkata Mani Kishore
39	17471E0039	RAGHUPATHI MOHAN	R. Mohan
40	17471E0040	SAGILI SUBBA REDDY	S. Subba Reddy
41	17471E0041	GADDE VENKATA NAVEEN	G. Venkata Naveen
42	17471E0042	DARA PURNA CHANDRA RAO	D. P. Chandra Rao
43	17471E0043	GADAMSETTY NAGARAJU	G. Nagaraju
44	17471E0044	YERUVA BRAHMA REDDY	Y. Brahma Reddy
45	17471E0045	RAGUTHU VENKATA SAI TEJA	R. Sai Teja
46	17471E0046	BANDI PAVANKUMAR	B. Pavankumar
47	17471E0047	THOTA GOWRY	T. Gowry
48	17471E0048	ADURI SRAVANI	A. Sravani
49	17471E0049	PASUPULETI MANI SAI	P. Sai
50	17471E0050	MUNGARA VENKATA GOPI CHAND	M. Venkata Gopi Chand.
51	17471E0051	PASAM HYMAVATHI	P. Hymavathi
52	17471E0052	CHADALAWADA RAMAKRISHNA	Ch. Ramakrishna
53	17471E0053	PULLETIKURTHI VIDYAVATHI	P. Vidyavathi
54	17471E0054	MATTAKOYYA PRIYANKA	M. Priyanka
55	17471E0055	KOPPURAVURI KALPANA	K. Kalpana
56	17471E0056	SHAIK HASAN AHMED	SK. Ahmed.
57	17471E0057	AMBATI NAVITHA	A. Navitha.
58	17471E0058	GONUGUNTLA SAI LAKSHMI PRANAVI	G. Sai Lakshmi Pranavi
59	17471E0059	VAKUDAVATH ANKARAO NAYAK	V. Ankarao
60	17471E0060	MAMIDALA HARSHA KIRAN	M. Kiran
61	17471E0061	PAMURI SHAIK BAJI	P. Shaik Baji
62	17471E0062	DARSI SRILAKSHMI	D. Sri Lakshmi
63	17471E0063	POLINENI HYMAVATHI	P. Hymavathi
64	17471E0064	YARAMASU BRAHMAIAH	Y. Brahmaiah.
65	17471E0065	SHAIK SUBHANI	Sh. Subhani
66	17471E0066	SYED BABAR	Syed. Babar

67	17471E0067	SOMU GOPI KRISHNA REDDY	S.G. Krishna reddy
68	17471E0068	YAKKANTI PAVANKALYANREDDY	Y. Pavan kalyan.
69	17471E0069	BOMMAJANKU SUDHEER	B. Sudheer
70	17471E0070	MUTHYALA NAGARAJU	M. Nagaraju
71	17471E0071	GUDURU RANGAREDDY	G. Rangareddy.
72	17471E0072	MARIKANTI RAMESHBABU	M. Rameshbabu.
73	17471E0073	RAVIVARAPU VENKATA NAGA SUSMITHA	R.V. Naga Susmitha
74	17471E0074	BANDLA ASHOK KUMAR	B. Ashok kumar
75	17471E0075	MUPPASANI VENKATESH	M. Venkatesh
76	17471E0076	MUPPAVARAPU SAI TEJA	M. Sai teja.
77	17471E0077	VUYYURU VINOD KUMAR	V. Vinod kumar
78	17471E0078	PATHURI SIVA	P. Siva
79	17471E0079	GURRAM UREKHA ALEKHYA	G. Rekha.
80	17471E0080	ATHALOORI JEEVITHA	A. Jeevitha.
81	17471E0081	NADENDLA HARI VENKATA SAI KUMAR	N.H.V.S. Kumar.
82	17471E0082	THUMMETI SAI GOPI	T. Sai Gopi.
83	17471E0083	PATAN MAHAMMAD IMRAN KHAN	P. M. Imran Khan
84	17471E0084	SHAIK AZARUDDIN	Sk. Azaruddin
85	17471E0085	MUTYALA YELLAIAH	M. Yellaiiah
86	17471E0086	POKURI NAGESWARA RAO	P. Nageswara Rao.
87	17471E0087	SHAIK SUBHANI	Sk. Subhani
88	17471E0088	CHENNAMSETTY RAVI KUMAR	C. Ravi kumar
89	17471E0089	POTTASIRI BABU	Potta Siri Babu.
90	17471E0090	DEVIREDDY PERI REDDY	D. Peri Reddy.
91	17471E0091	SHAIK SHABANA	Sk. Shabana.
92	17471E0092	SHAIK PODILE JAKEER HUSSAIN	Sk. Jakeer Hussain.

  
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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR  
ANANTHAPURAMU-515 002. (A.P) INDIA  
DIRECTORATE OF RESEARCH & DEVELOPMENT

One Week Orientation Program on Research Methodology  
15<sup>th</sup> -20<sup>th</sup> June, 2015.

*Certificate*

*This is to certify that Mr./Ms. Javvaji Venkata Kanaka Ratnam  
bearing H.T.No. 14PH0401 research scholar of 2014-15 batch of  
Electronics & Communication Engineering discipline has attended the One week  
Orientation Program on "Research Methodology" at JNT University Anantapur,  
Ananthapuramu.*

*[Signature]*  
Director

Research & Development



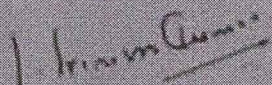
*[Signature]*  
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Jawaharlal Nehru Technological University : Kakinada  
Kakinada - 533 003, Andhra Pradesh, India  
Directorate of Research & Development

## Certificate

This is to certify that Mr./Ms. Srinivasa Rao Meda  
bearing Roll No. 15022 P0457 research scholar in Electronic & Communication Engineering  
discipline has attended the two - week audit course on "Research Methodologies" during  
1<sup>st</sup> - 15<sup>th</sup> May 2016.

  
Director (R & D)

  
**IQAC**

  
Principal  
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