

# Wright State University

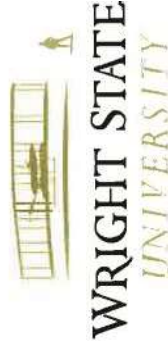
By Authority of the Board of Trustees and  
On Recommendation of the Faculty Hereby Confers Upon

Naga Venkata Someswara Rao Gonaboyina

The Degree of

Master of Science in Electrical Engineering

With All the Honors, Rights, and Privileges Belonging Thereto. In Testimony Whereof  
This Diploma, Bearing the Seal of the University and the Signatures of  
Its duly Authorized Officers, Is Granted at Dayton, Ohio, This  
Thirtieth Day of April, Two Thousand and Sixteen.



*Robert E. Wolfe*  
Dean, Graduate School

*Paul R. Hopkins*

President of the University

*Nathan W. Rinehart*

Dean, College of Engineering and Computer Science



*Nicholas C. Briggs*  
Chair of the Board of Trustees



# WRIGHT STATE UNIVERSITY

David R. Hopkins, President

## Office of the President

3640 Colonel Glenn Hwy.

Dayton, OH 45435-0001

(937) 775-2312

FAX (937) 775-2421

April 30, 2016

Dear Graduate:

Congratulations on completing your degree program. I hope that your academic experience at Wright State University has been truly fulfilling. You will be the best measure of the success of our university as you pursue a rewarding career.

I also hope that you will maintain an affiliation with your university through the WSU Alumni Association. Members receive publications about campus events that provide an excellent opportunity to keep in touch with former classmates and faculty and to stay current on the advancement and growth of your university. We look forward to your participation in alumni activities.

Best wishes for continuing personal and professional success.

Sincerely,

David R. Hopkins

Graduate  
24-JUN-2016

Page: 1



Naga Venkata Someswara Rao Gonaboyina

WRIGHT STATE  
UNIVERSITY

Course Level: Graduate

Degree Awarded MS in Electrical Engineering 30-APR-2016

Primary Degree

Major : Electrical Engineering

SUBJ NO.	COURSE TITLE	CRED GRD	PTS R
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INSTITUTION CREDIT:

Spring 2015

EE 6800	Fundamentals of EE	3.00 B	9.00
EE 8000	Tools Mixed Signals	3.00 B	9.00

Ehrs: 6.00 GPA-Hrs: 6.00 QPts: 18.00 GPA: 3.00

Acad Standing not met min hrs

Summer 2015

EE 7410	Power Electronics I	3.00 B	9.00
EE 7410L	Power Electronics I Lab	1.00 A	4.00
EE 7440	RF Power Amplifiers	3.00 A	12.00
EE 7440L	RF Power Amplifiers Lab	1.00 A	4.00

Ehrs: 8.00 GPA-Hrs: 8.00 QPts: 29.00 GPA: 3.62

Good Standing

Fall 2015

EE 6440	Electronic Integ Systems	3.00 B	9.00
EE 6440L	Electronic Integ Lab	1.00 A	4.00
EE 6540	VLSI Design	3.00 B	9.00
EE 6540L	VLSI Design Lab	1.00 C	2.00
EE 7430	HF Magnetic Components	3.00 B	9.00
EE 7430L	HF Mag Components Lab	1.00 A	4.00

Ehrs: 12.00 GPA-Hrs: 12.00 QPts: 37.00 GPA: 3.08

Good Standing

Spring 2016

EE 8000	VLSI Cryptographic Circuits	4.00 B	12.00
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Ehrs: 4.00 GPA-Hrs: 4.00 QPts: 12.00 GPA: 3.00

Good Standing

Last Standing: Good Standing

\*\*\*\*\* TRANSCRIPT TOTALS \*\*\*\*\*

	Earned Hrs	GPA Hrs	Points	GPA
TOTAL INSTITUTION	30.00	30.00	96.00	3.20

TOTAL TRANSFER	0.00	0.00	0.00	0.00
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OVERALL	30.00	30.00	96.00	3.20
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\*\*\*\*\* END OF TRANSCRIPT \*\*\*\*\*

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Issued To:

Complimentary Transcripts

Amanda Steele-Middleton  
University Registrar



CC136383



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

KAKINADA - 533 003, ANDHRA PRADESH, INDIA

Mr. Gonaboyina Naga Venkata Someswararao

S/o Gonaboyinaappala Narasayya

having fulfilled the academic requirements and passed the examination  
held during May 2014 in 'B' (Good) Grade

has this day been admitted by the executive council to the degree of

*Bachelor Of Technology*

( Electrical & Electronics Engineering )

Given under the Seal of the University

HTNo : 10AJ1A0227

Date : 12 November, 2015

*[Signature]*

CONTROLLER OF EXAMINATIONS

*[Signature]*

DIRECTOR OF EVALUATION





**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**  
KAKINADA - 533 003, ANDHRA PRADESH, INDIA

**MEMORANDUM OF MARKS**

MEMO NO.: K 0001120177

S.No.: 2011051121245

EXAMINATION: B.Tech I Year I Semester(R10) Reg.

BRANCH: Electrical and Electronics Engineering

NAME: GONADYINA NAGA VENKATA SOMESWARA RAO

HALL TICKET NO.: 10AJ1A0227

MONTH & YEAR OF EXAM: JANUARY 2011

INSTITUTION: AMRITA SAI INST. OF SCIENCE  
AND TECHNOLOGY

S. No.	SUBJECT CODE	SUBJECT TITLE	INTERNAL MARKS	END EXAM MARKS	TOTAL MARKS	RESULT	CREDITS
1	R10101	ENGLISH-I	21	52	73	P	2
2	R10102	MATHEMATICS-I	22	71	93	P	2
3	R10103	ENGINEERING PHYSICS-I	20	75	95	P	2
4	R10104	ENGINEERING CHEMISTRY-I	22	51	73	P	2
5	R10105	C PROGRAMMING	20	32	52	P	2
6	R10107	MATHEMATICAL METHODS	21	75	96	P	2
7	R10108	ENGINEERING PHYSICS and ENGINEERING CHEMISTRY LAB	25	48	73	P	2
8	R10109	ENGINEERING WORKSHOP LAB	24	46	70	P	2
9	R10110	C PROGRAMMING LAB	25	49	74	P	2
10	R10111	ENGLISH PROFICIENCY LAB	24	49	73	P	2
TOTAL:			224	548	772		20

TOTAL (IN WORDS) \*\*\* SEVEN HUNDRED SEVENTY-TWO \*\*\*

DATE: 07-JUL-2011

VERIFIED BY

CONTROLLER OF EXAMINATIONS

INSTRUCTIONS:

MAXIMUM MARKS  
Internal End Exam Total of Int. & End

MINIMUM FOR PASS  
End Exam Total of Int. & End

THEORY/DRAWING/DESIGN SUBJECTS

25 75 100

26 40

PRACTICAL SUBJECTS

25 50 75

18 30

PROJECT

SEMINAR

MINI PROJECT

P: PASS

F: FAIL

AB: ABSENT



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

KAKINADA - 533 003, ANDHRA PRADESH, INDIA

## MEMORANDUM OF MARKS

MEMO NO.: K 0001569990

S.No.: 2110818128608

EXAMINATION: B.Tech I Year II Semester(R10) Reg.

BRANCH: Electrical and Electronics Engineering

NAME: GONABOYINA NAGA VENKATA SOMESWARA RAO



HALL TICKET NO.: 10AJ1A0227

MONTH & YEAR OF EXAM: JUNE 2011

INSTITUTION: AMRITA SAI INST. OF SCIENCE AND TECHNOLOGY

S. No.	SUBJECT CODE	SUBJECT TITLE	INTERNAL MARKS	END EXAM MARKS	TOTAL MARKS	RESULT	CREDITS
1	R10201	ENGLISH - II	22	55	77	P	2
2	R10202	MATHEMATICS- II	22	35	57	P	2
3	R10203	ENGINEERING PHYSICS -II	18	51	70	P	2
4	R10204	ENGINEERING CHEMISTRY -II	17	75	92	P	2
5	R10205	ENGINEERING DRAWING	25	75	100	P	2
6	R10207	ENVIRONMENTAL STUDIES	17	48	65	P	2
7	R10208	ENGINEERING PHYSICS ENGINEERING CHEMISTRY LAB-II	25	50	75	P	2
8	R10208	ENGLISH COMMUNICATION SKILLS LAB	25	49	74	P	2
9	R10210	IT WORKSHOP	24	50	74	P	2
TOTAL:			198	459	657		18

SUBJECTS REGISTERED : 9

APPEARED : 9

PASSED : 9

TOTAL:

TOTAL (IN WORDS) \*\*\* SIX HUNDRED EIGHTY-FIVE \*\*

DATE: 03-Jan-2012

VERIFIED BY

CONTROLLER OF EXAMINATIONS

INSTRUCTIONS:

MAXIMUM MARKS

MINIMUM FOR PASS

Internal End Exam Total of Int. & End

End Exam Total of Int. & End

THEORY/DRAWING/DESIGN SUBJECTS

25 75 100

28 40

PRACTICAL SUBJECTS

25 50 75

18 30

PROJECT

SEMINAR

MINI PROJECT

P: PASS

F: FAIL

AB: ABSENT





**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**  
KAKINADA - 533 003, ANDHRA PRADESH, INDIA

**MEMORANDUM OF MARKS**

MEMO NO. K 0001895987

S.No.: 21201132123782

EXAMINATION:

B.Tech II Year I Semester (R10) Reg.

BRANCH:

Electrical and Electronics Engineering

NAME:

GONAGOYINA NAGA VENKATA SOMESWARA RAO

HALL TICKET NO.:

10AJ1A0227

MONTH & YEAR OF EXAM:

NOV 2011

INSTITUTION:

AMRITA SAI INST. OF SCIENCE  
AND TECHNOLOGY

S. No.	SUBJECT CODE	SUBJECT TITLE	INTERNAL MARKS	END EXAM MARKS	TOTAL MARKS	RESULT	CREDITS
1	R21018	ENGLISH COMMUNICATION PRACTICE	24	49	73	P	1
2	R21021	FLUID MECHANICS & HYDRAULIC MACHINES	17	50	67	P	4
3	R21022	MANAGERIAL ECONOMICS AND FINANCIAL ANALYSIS	18	45	63	P	4
4	R21023	ELECTRICAL CIRCUIT ANALYSIS-I	21	50	71	P	4
5	R21024	ELECTRO MAGNETIC FIELD	19	35	54	P	4
6	R21025	ELECTRICAL MACHINES-I	17	32	48	P	4
7	R21026	ELECTRONIC DEVICES AND CIRCUITS	18	41	60	P	4
8	R21027	FLUID MECHANICS & HYDRAULIC MACHINES LAB	24	49	73	P	2
9	R21028	ELECTRONIC DEVICES AND CIRCUITS LAB	25	48	71	P	2
TOTAL:			184	397	581		28

SUBJECTS REGISTERED: 9

APPEARED: 9

PASSED: 9

TOTAL:

TOTAL (IN WORDS) --- FIVE HUNDRED EIGHTY-ONE ---

DATE: 14-JUL-2012

VERIFIED BY

*A. m. phad*  
CONTROLLER OF EXAMINATIONS

INSTRUCTIONS:

MAXIMUM MARKS  
Internal End Exam Total of Int. & End

MINIMUM FOR PASS  
End Exam Total of Int. & End

THEORY/DRAWING/DESIGN SUBJECTS

25 75 100

28

PRACTICAL SUBJECTS

25 50 75

12

PROJECT

SEMINAR

MINI PROJECT

P : PASS

F : FAIL

AB : ABSENT



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**  
KAKINADA - 533 003, ANDHRA PRADESH, INDIA

**MEMORANDUM OF MARKS**

MEMO NO.: K 0002368018

S.No.: 21209212223502  
EXAMINATION: B.Tech II Year II Semester (R10) Reg.  
BRANCH: Electrical and Electronics Engineering  
NAME: GONABOYINA NAGA VENKATA SOMESWARA RAO

HALL TICKET NO.: 10AJ1A0227  
MONTH & YEAR OF EXAM: APRIL 2012  
INSTITUTION: AMRITA SAI INST. OF SCIENCE AND TECHNOLOGY

S. No.	SUBJECT CODE	SUBJECT TITLE	INTERNAL MARKS	END EXAM MARKS	TOTAL MARKS	RESULT	CREDITS
1	R22010	ENGLISH COMMUNICATION PRACTICE LAB	25	49	74	P	1
2	R22021	PULSE & DIGITAL CIRCUITS	20	64	84	P	4
3	R22022	POWER SYSTEMS-I	18	72	91	P	4
4	R22023	SWITCHING THEORY & LOGIC DESIGN	20	57	77	P	4
5	R22024	ELECTRICAL MACHINES-II	18	41	60	P	4
6	R22025	ELECTRICAL CIRCUIT ANALYSIS-II	21	32	53	P	4
7	R22026	CONTROL SYSTEMS	17	54	71	P	4
8	R22027	EM-I LAB	24	45	69	P	2
9	R22028	ELECTRICAL CIRCUITS AND SIMULATION LAB	24	50	74	P	2
TOTAL:			189	484	673		29

TOTAL (IN WORDS) \*\*\* SIX HUNDRED FIFTY-THREE \*\*\*

DATE: 06-Dec-2012  
VERIFIED BY: *Chao*  
CONTROLLER OF EXAMINATIONS

INSTRUCTIONS:	MAXIMUM MARKS		MINIMUM FOR PASS	
	Internal	Total of Int. & End	End Exam	Total of Int. & End
THEORY/DRAWING/DESIGN SUBJECTS	25	75	25	40
PRACTICAL SUBJECTS	25	50	18	30
PROJECT				
SEMINAR				
MINI PROJECT				
P: PASS				
F: FAIL				
AB: ABSENT				





**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**  
KAKINADA - 533 003, ANDHRA PRADESH, INDIA

**MEMORANDUM OF MARKS**

MEMO NO.: K 0002764155

S.No.: 21302063123304

EXAMINATION: B.Tech III Year I Semester (R10) Reg.

BRANCH: Electrical and Electronics Engineering

NAME: GONABO YINA NAGA VENKATA SOMESWARA RAO



HALL TICKET NO.:

10AJ1A0227

MONTH & YEAR OF EXAM: NOV 2012

INSTITUTION: AMRITA SAI INST. OF SCIENCE AND TECHNOLOGY

S. No.	SUBJECT CODE	SUBJECT TITLE	INTERNAL MARKS	END EXAM MARKS	TOTAL MARKS	RESULT	CREDITS
1	R31021	COMPLEX VARIABLES AND STATISTICAL METHODS	21	50	71	P	4
2	R31022	ELECTRICAL MEASUREMENT	20	85	85	P	4
3	R31023	POWER SYSTEMS-II	22	48	70	P	4
4	R31024	POWER ELECTRONICS	14	53	87	P	4
5	R31025	ELECTRICAL MACHINES-III	16	40	58	P	4
6	R31026	LINEAR & DIGITAL IC APPLICATION	16	42	58	P	4
7	R31027	ELECTRICAL MACHINES-II LAB	24	49	73	P	2
8	R31028	CONTROL SYSTEMS LAB	23	47	70	P	2
SUBJECTS REGISTERED :			158	394	550		28

TOTAL (IN WORDS) \*\*\* FIVE HUNDRED FIFTY \*\*\*

DATE: 24-Apr-2013

VERIFIED BY

CONTROLLER OF EXAMINATIONS

INSTRUCTIONS:

THEORY/DRAWING/DESIGN SUBJECTS

PRACTICAL SUBJECTS

PROJECT

SEMINAR

RPM PROJECT

P: PASS

F: FAIL

AB: ABSENT

MAXIMUM MARKS

Internal End Exam. Total of Int. & End

25 75 100

25 50 75

MINIMUM FOR PASS

End Exam. Total of Int. & End

20 40

18 30

*Ch...*



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**  
KAKINADA - 533 003, ANDHRA PRADESH, INDIA

**MEMORANDUM OF MARKS**

MEMO NO.: K 0003315889

S.No. 2100612323343

EXAMINATION: B.Tech III Year II Semester (R10) Reg.

BRANCH: Electrical and Electronics Engineering

NAME: GONABOYINA NAGA VENKATA SOMESWARA RAO

HALL TICKET NO.: 10AJ1A0227

MONTH & YEAR OF EXAM: APRIL 2013

INSTITUTION: AMRITA SAI INST. OF SCIENCE AND TECHNOLOGY

S.No.	SUBJECT CODE	SUBJECT TITLE	INTERNAL MARKS	END EXAM MARKS	TOTAL MARKS	RESULT	CREDITS
1	R32021	ELECTRICAL MACHINE DESIGN	22	30	50	P	2
2	R32022	POWER SYSTEM ANALYSIS	10	20	40	P	2
3	R32023	UTILIZATION OF ELECTRICAL ENERGY	20	50	70	P	2
4	R32024	MICROPROCESSORS AND MICROCONTROLLER	10	40	50	P	2
5	R32025	POWER SEMICONDUCTOR DRIVES	10	30	50	P	2
6	R32026	MANAGEMENT SCIENCE	10	30	40	P	2
7	R32027	POWER ELECTRONICS LAB	20	40	60	P	2
8	R32028	ELECTRICAL MEASUREMENTS LAB	22	48	70	P	2
SUBJECTS REGISTERED :			162	330	492		28

TOTAL (IN WORDS) \*\*\* FOUR HUNDRED NINETY-TWO \*\*\*

DATE: 01-Nov-2013

VERIFIED BY

CONTROLLER OF EXAMINATIONS

INSTRUCTIONS:

MAXIMUM MARKS

MINIMUM FOR PASS

THEORY/DRAWING/DESIGN SUBJECTS

Internal End Exam

Total of Int. & End

PRACTICAL SUBJECTS

25 50

10 40

PROJECT

25 75

10 30

SEMINAR

MINI PROJECT

P: PASS

F: FAIL

AB: ABSENT

2100612323343





**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**  
KAKINADA - 533 003, ANDHRA PRADESH, INDIA

**MEMORANDUM OF MARKS**

MEMO NO.: K 0003528414

S.No.: 2140327412294  
EXAMINATION: B.Tech IV Year I Semester (R10) Reg.  
BRANCH: Electrical and Electronics Engineering  
NAME: GONABOYINA NAGA VENKATA SOMESWARAO  
HALL TICKET NO.: 10AJ1A0227  
MONTH & YEAR OF EXAM: DEC 2013  
INSTITUTION: AMRITA SAI INST. OF SCIENCE AND TECHNOLOGY

S. No.	SUBJECT CODE	SUBJECT TITLE	INTERNAL MARKS	END EXAM MARKS	TOTAL MARKS	RESULT	CREDITS
1	R41021	COMPUTER ORGANIZATION	20	49	89	P	4
2	R41022	HIGH VOLTAGE ENGINEERING	21	28	49	P	4
3	R41023	SWITCH GEAR & PROTECTION	20	36	56	P	4
4	R41024	POWER SYSTEM OPERATION & CONTROL	21	41	62	P	4
5	R41028	INSTRUMENTATION	20	39	59	P	4
6	R4102A	ELECTRICAL DISTRIBUTION SYSTEMS	21	45	66	P	4
7	R4102C	MICROPROCESSORS & MICROCONTROLLERS LAB	24	48	70	P	2
8	R4102D	ELECTRICAL SIMULATION LAB	24	47	71	P	2

SUBJECTS REGISTERED: 8 APPEARED: 8 PASSED: 8 TOTAL: 171 331 502 28

TOTAL (IN WORDS) FIVE HUNDRED TWO

DATE: 13-11-2013

VERIFIED BY

CONTROLLER OF EXAMINATIONS

INSTRUCTIONS:	MAXIMUM MARKS		MINIMUM FOR PASS	
	Internal	End Exam	End Exam	Total of Int. & End
THEORY/DRAWING/DESIGN SUBJECTS	25	75	28	40
PRACTICAL SUBJECTS	25	50	13	30
PROJECT				
SEMINAR				
MINI PROJECT				
P: PASS				
F: FAIL				
AB: ABSENT				

4127858



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**  
KAKINADA - 533 003, ANDHRA PRADESH, INDIA

**MEMORANDUM OF MARKS**

MEMO NO.: K0003737298

S.No.: 21408104222800

EXAMINATION: B.Tech N Year II Semester (R10) Reg.

BRANCH: Electrical and Electronics Engineering

NAME:

HALL TICKET NO.:

10AJ1A0227

MONTH & YEAR OF EXAM:

MAY 2014

INSTITUTION:

AMRITA SAI INST. OF SCIENCE  
AND TECHNOLOGY

GONABOYINA NAGA VENKATA SOMESWARA RAO

S.No.	SUBJECT CODE	SUBJECT TITLE	INTERNAL MARKS	END EXAM MARKS	TOTAL MARKS	RESULT	CREDITS
1	R42021	DIGITAL CONTROL SYSTEMS	22	68	91	P	4
2	R42024	SPECIAL ELECTRICAL MACHINES	22	42	64	P	4
3	R42025	NON CONVENTIONAL SOURCES OF ENERGY	21	46	67	P	4
4	R4202A	AI TECHNIQUES	17	35	52	P	4
5	R4202B	PROJECT	50	145	195	P	12
TOTAL:			132	337	469		28

SUBJECTS REGISTERED : 5

APPEARED : 5

PASSED : 5

TOTAL :

\*\*\* FOUR HUNDRED SIXTY-NINE \*\*\*

DATE:

18-Aug-2014

VERIFIED BY

CONTROLLER OF EXAMINATIONS

INSTRUCTIONS :

MAXIMUM MARKS

MINIMUM FOR PASS

Internal End Exam. Total of Int. & End

End Exam. Total of Int. & End

THEORY/DRAWING/DESIGN SUBJECTS

PRACTICAL SUBJECTS

PROJECT

SEMINAR

MINI PROJECT

P : PASS

F : FAIL

AB : ABSENT

4222750