



नेताजी सुभाष प्रौद्योगिकी विश्वविद्यालय

NETAJI SUBHAS UNIVERSITY OF TECHNOLOGY

A STATE UNIVERSITY UNDER DELHI ACT 06 OF 2018, GOVT. OF NCT OF DELHI

(Formerly Netaji Subhas Institute of Technology)

Azad Hind Fauj Marg, Sector-3, Dwarka, New Delhi-110 078

Telephone : +91-11-25000020 • Fax : +91-11-25099025 • Website : <http://www.nsut.ac.in>

220 (253)/2020/Transcript/Acad/NSIT/865

dt - 09/11/20

TRANSCRIPTS / MARKSHEETS

Netaji Subhas Institute of Technology was an autonomous Institute and affiliated with University of Delhi, and now it has been upgraded as **NETAJI SUBHAS UNIVERSITY OF TECHNOLOGY w.e.f. 26.09.2018.**

Transcripts of **Mr.Ankush Pratap Singh, ROLL No.436/IC/13** are being forwarded to you for your kind consideration. The mark sheets indicate the individual subjects studied, the maximum marks in each subjects and the marks obtained by the student.

Officially the Institute does not award class ranks. The University of Delhi follows the following pattern for evaluation of its students.

The B.E. Course of University of Delhi consists of VIII semesters (**4 years duration**). For each subject there is separate assessment as 'Semester Work Marks' and a final Examination conducted by the University authorities.

All the semesters carry equal weight-age and the importance of subjects is indicated by the credits it carries. These examinations are graded in the following manner:-

75% and above

I Class with Distinction

60% and above but below 75%

I Class

50% and above but below 60%

II Class

40% and above but below 50%

Pass Class

The medium of instruction during all the courses of Bachelors of Engineering is English. The degree course is a full-time programme.

ASSISTANT REGISTRAR(Acad.)



University of Delhi

इंजीनियरिंग-स्नातक * Bachelor of Engineering

प्रमाणित किया जाता है कि सन् 2017 में परीक्षा के उपरांत
इंजीनियरिंग-स्नातक की उपाधि के योग्य सिद्ध होने पर

अंकुश प्रताप सिंह

को 2018 के दीक्षांत-समारोह में उक्त उपाधि प्रदान की गई।

विषय: यंत्रीकरण एवं नियंत्रण

श्रेणी: प्रथम

This is to certify that having been examined in 2017 and found qualified
for the degree of Bachelor of Engineering

Ankush Pratap Singh

was awarded the said degree at the Convocation held in 2018.

Subject: Instrumentation & Control

Division: First

कुलसचिव
दिल्ली विश्वविद्यालय
Registrar
University of Delhi



दिल्ली, दिनांक 19 नवम्बर, 2018
Delhi, Dated the 19th November, 2018

कुलपति
दिल्ली विश्वविद्यालय
Vice Chancellor
University of Delhi

नामांकन संख्या
Enrol.No. DIT-621/13



अनुक्रमांक
Roll No. 436IC13

233057



नेताजी सुभाष प्रौद्योगिकी विश्वविद्यालय
NETAJI SUBHAS UNIVERSITY OF TECHNOLOGY
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Telephone : +91-11-25000020 • Fax : +91-11-25099025 • Website : <http://www.nsut.ac.in>

F. No. 220(188)/2020/CGPA/Acad./NSUT/826

Dated: 2/11/2020

TO WHOMSOEVER IT MAY CONCERN

Netaji Subhas Institute of Technology was an autonomous Institute and affiliated with University of Delhi, and now it has been upgraded as **NETAJI SUBHAS UNIVERSITY OF TECHNOLOGY w.e.f. 26.09.2018.**

This is to certify that **Mr.Ankush Pratap Singh, Roll No.436/IC/13** was a student of Bachelor of Engineering (**Instrumentation and Control Engineering**) during **2013-2017** of Netaji Subhas University of Technology and in keeping with UGC notification No.F.3-1/2009 dated 28.06.2010 and AICTE notification dated 05.03.2010, the conversion formula followed in the college, his aggregate percentage of all the 8 semesters of **67.81%** translates to a **CGPA of 7.531**

$$\text{CGPA} = (\% \text{ of Marks} + 7.5) / 10$$

$$\text{Percentage of Marks} = (10 \times \text{CGPA}) - 7.5$$

Note : For percentage of marks above 92.5, the CGPA '10' to be given.

[Handwritten Signature]
ASSISTANT REGISTRAR(Acad.)

Netaji Subhas Institute of Technology

(Affiliated to University of Delhi)

Azad Hind Fauj Marg, Sector-3, Dwarka, New Delhi - 110078

Phone No. 25000268-Ext.-3268 Fax : 25000022, 25 • Website : www.nsit.ac.in

Serial No. 401.....

Univ. Enroll No. NIT-62113.....



Dated : 20/02/18.....

Institute Roll No. 436113.....

PROVISIONAL CERTIFICATE

This is to certify Mr./Ms. Ankush Prateep Singh.....

Son/Daughter of Mr. Prateep Singh..... who was a student of this institute

during 2013-17..... has passed the Bachelor of Engineering Examination in Instrumentation & Control

Engineering..... as per the Result Notification S. No. AER/2017/575

Dated 28th September, 2017..... issued by the University of Delhi.

He/She has earned 232 credits with an average percentage of 67.81%

and has been placed in first class with distinction / first class / second class.

Date : 20/02/18.....

Prepared by :

Checked by :



Dean

Under Graduate Studies

N.B. : This provisional certificate is valid till the degree is awarded by the University of Delhi.



CONSOLIDATED STATEMENT OF THE ACADEMIC PERFORMANCE

Name : ANKUSH PRATAP SINGH

B. E. Instrumentation & Control Engg.

Roll No. 436 JC13 College Registration No.

University Enrolment No. 2311

In column no. 1 Semester is shown. Below this, the year of study/examination is indicated. The information in other boxes is as follows : Consider the top box in column 2. 101 indicates the subject code IC 101. If the student secures 40 or more marks in the subject he/she earns the credits assigned to the subject. The assigned credits are shown for IC 101 as ④. The marks secured out of 100 are shown in the box.

I	101 ④	102 ④	103 ④	104 ④	105 ④	106 ③	107 ②	108 ②	109 ②	.	.
	63	44	70	78	48	44	57	82	63		
II	111 ④	112 ④	113 ④	114 ④	115 ④	116 ②	117 ②	118 ②	119 ②		
	67	42	60	62	55	69	80	56	61		
III	201 ④	202 ④	203 ④	204 ④	205 ④	206 ②	207 ②	208 ②	209 ③	210 ①	
	52	40	43	50	41	66	56	78	46	94	
IV	211 ④	212 ④	213 ④	214 ④	215 ④	216 ②	217 ②	218 ②	219 ②	220 ②	221 ①
	44	73	49	52	64	79	80	75	86	83	90
V	301 ④	302 ④	303 ④	304 ④	305 ④	306 ②	307 ②	308 ②	309 ①		
	63	58	72	63	81	71	66	90	75		
VI	311 ④	312 ④	313 ④	314 ④	315 ④	316 ②	317 ②	318 ②	319 ①	320 ②	
	72	77	74	70	53	87	85	85	82	88	
VII	401 ④	402 ④	403 ④	404 ④	405 ④	406 ②	407 ②	408 ②	409 ③	410 ①	
	65	46	68	87	91	64	64	81	75	82	
VIII	411 ④	412 ④	413 ④	414 ②	415 ⑧	416 ④	417 ①				
	69	81	90	82	75	78	86				

B.E. Degree shall be awarded if a student has earned a minimum of 220 credits as specified in each degree programme subject to break up and compulsory credit as mentioned therein. However, a student may register in subjects leading to a maximum of 232 credits in the entire course. If a student earns more than a specified minimum credits for degree, the best marks in the minimum credits (satisfying the above conditions) will be considered for the purpose of classification of result.

The mark(s) encircled have not been taken into account for determining the "Average" marks as per the rules stated above

Total No. of Credits Secured

232

$$\text{"Average" Marks} = \frac{\sum (\text{Credits} * \text{Marks Secured})}{\sum (\text{Credits}) = 220} \quad 67.81$$

Classification of result based on the "Average" marks :

- 75% or more marks First Class with distinction
- 60% or more marks but less than 75% First Class
- 50% or more marks but less than 60% Second Class
- 40% or more marks but less than 50% Pass Class

Entd. by - JY
Checked by - S

Date - 28 SEP 2017

Class Awarded FIRST CLASS

Sumar
DEAN (EXAMINATIONS)



UNIVERSITY OF DELHI

STATEMENT OF MARKS

B.E. (COMMON FOR ALL BRANCHES) EXAM., NOV/DEC, 2013.

NETAJI SUBHAS INSTITUTE OF TECHNOLOGY

NAME: ANKUSH PRATAP SINGH

ROLL NO: 671/D/13

Subject Code	Subject Title	Subject Credits	% Marks obtained	Credits earned
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FIRST SEMESTER :

Theory Papers:

TH1	101 HUMANITIES	4	68	4
TH2	102 MATHEMATICS I	4	44	4
TH3	103 PHYSICS I	4	70	4
TH4	104 CHEMISTRY	4	78	4
TH5	105 MANUFACTURING PROCESSES	4	48	4

Practical / Viva-Voce :

PR1	106 ENGINEERING DRAWING I	3	33	0
PR2	107 PHYSICS I	2	57	2
PR3	108 CHEMISTRY	2	82	2
PR4	109 WORKSHOP PRACTICE I	2	63	2

Weighted average = 62.92 % Total credits earned = 26

Minimum 40% marks required to earn credits in a subject.

prepared by	
checked by	

5 JUN 2014

Sunil
Controller of
Examinations

Certificate No. : 19365



UNIVERSITY OF DELHI

STATEMENT OF MARKS

B.E. (COMMON FOR ALL BRANCHES) EXAM., NOV/DEC, 2014.

NETAJI SUBHAS INSTITUTE OF TECHNOLOGY

NAME: ANKUSH PRATAP SINGH

ROLL NO: 436IC13

Subject Code	Subject Title	Subject Credits	% Marks obtained	Credits earned
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FIRST SEMESTER:

Practical / Viva-Voce :

PR1	106 ENGINEERING DRAWING I	3	44	3
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Weighted average =	44.00 %	Total credits earned =	3
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Minimum 40% marks required to earn credits in a subject.

prepared by	
checked by	

Sunar
Controller of
Examinations

21 MAY 2015



UNIVERSITY OF DELHI

STATEMENT OF MARKS

B.E. (INSTRUMENTATION & CONTROL ENGG.) EXAM. MAY/JUNE, 2014.

NETAJI SUBHAS INSTITUTE OF TECHNOLOGY

NAME: ANKUSH PRATAP SINGH

ROLL NO: 436IC13

Subject Code	Subject Title	Subject Credits	% Marks obtained	Credits earned
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SECOND SEMESTER :

Theory Papers:

TH1 IC111 PRINCIPLES OF ELECT ENGG	4	67	4
TH2 IC112 APPLIED MECHANICS	4	27	0
TH3 IC113 MATHEMATICS II	4	60	4
TH4 IC114 INTRODUCTION TO PROGRAMMING	4	62	4
TH5 IC115 PHYSICS OF MATERIALS	4	55	4

Practical / Viva-Voce :

PR1 IC116 PRINCIPLES OF ELECT ENGG	2	69	2
PR2 IC117 APPLIED MECHANICS	2	80	2
PR3 IC118 INTRODUCTION TO PROGRAMMING	2	56	2
PR4 IC119 PHYSICS OF MATERIAL	2	61	2

Weighted average = 62.83 % Total credits earned = 24

Minimum 40% marks required to earn credits in a subject.

prepared by	
checked by	

Suresh
Controller of
Examinations

20 NOV 2014

Certificate No. : 195188



UNIVERSITY OF DELHI

STATEMENT OF MARKS

B.E. (INSTRUMENTATION & CONTROL ENGG.) EXAM. MAY/JUNE, 2015.

NETAJI SUBHAS INSTITUTE OF TECHNOLOGY

NAME: ANKUSH PRATAP SINGH

ROLL NO: 436IC13

Subject Code	Subject Title	Subject Credits	% Marks obtained	Credits earned
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SECOND SEMESTER:

Theory Papers:

TH2 IC112 APPLIED MECHANICS	4	42	4
Weighted average = 42.00 %	Total credits earned = 4		

Minimum 40% marks required to earn credits in a subject.

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checked by	

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Examinations

24 JUL 2015

Certificate No.: 192341



UNIVERSITY OF DELHI

STATEMENT OF MARKS

B.E. (INSTRUMENTATION & CONTROL ENGG.) EXAM. NOV/DEC, 2014.

NETAJI SUBHAS INSTITUTE OF TECHNOLOGY

NAME: ANKUSH PRATAP SINGH

ROLL NO: 436IC13

Subject Code	Subject Title	Subject Credits	% Marks obtained	Credits earned
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THIRD SEMESTER :

Theory Papers:

TH1 IC201 ELECTRONICS I	4	52	4
TH2 IC202 CIRCUITS & SYSTEMS	4	40	4
TH3 IC203 POWER APPARATUS	4	43	4
TH4 IC204 ELECT. ANALOG INS & MEAS TECH.	4	50	4
TH5 IC205 MATHEMATICS III	4	41	4

Practical / Viva-Voce :

PR1 IC206 ELECTRONICS I	2	66	2
PR2 IC207 POWER APPARATUS	2	56	2
PR3 IC208 ELECT. ANALOG INS & MEAS TECH.	2	78	2
PR4 IC209 MACHINE DRAWING	3	46	3

Valuation of Sessional Work :

VS1 IC210 PROGRAMMING I	1	94	1
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Weighted average = 51.20 % Total credits earned = 30

Minimum 40% marks required to earn credits in a subject.

prepared by	
checked by	

Sunar
Controller of
Examinations

18 MAY 2015



UNIVERSITY OF DELHI

STATEMENT OF MARKS

B.E. (INSTRUMENTATION & CONTROL ENGG.) EXAM. MAY/JUNE, 2015.

NETAJI SUBHAS INSTITUTE OF TECHNOLOGY

NAME: ANKUSH PRATAP SINGH

ROLL NO: 436IC13

Subject Code	Subject Title	Subject Credits	% Marks obtained	Credits earned
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FOURTH SEMESTER:

Theory Papers:

TH1 IC211 ELECTRONICS II	4	44	4
TH2 IC212 FLUID MECHANICS & THERMODY.	4	73	4
TH3 IC213 ELECTRONICS INSTRUMENTS & MTS	4	49	4
TH4 IC214 COMPUTER GRAPHICS	4	52	4
TH5 IC215 TRANSDUCERS & COMPONENTS	4	64	4

Practical / Viva-Voce :

PR1 IC216 ELECTRONICS II	2	79	2
PR2 IC217 COMPUTER GRAPHICS	2	80	2
PR3 IC218 INSTRUMENTATION (LAB I)	2	75	2
PR4 IC219 ELECT.WORKSHOP & ELECT. DRG.	2	86	2
PR5 IC220 PRACTICAL TRAINING	2	83	2

Valuation of Sessional Work :

VS1 IC221 REPORT WRITING	1	90	1
VS2 IC222 PROGRAMMING II	1	98	1

Weighted average = 66.31 % Total credits earned = 32

Minimum 40% marks required to earn credits in a subject.

prepared by	
checked by	

Sunay
Controller of
Examinations

24 JUL 2015



Certificate No.: 198930

UNIVERSITY OF DELHI

STATEMENT OF MARKS

B.E.(INSTRUMENTATION & CONTROL ENGG.) EXAM. NOV/DEC, 2015.

NETAJI SUBHAS INSTITUTE OF TECHNOLOGY

NAME: ANKUSH PRATAP SINGH

ROLL NO: 436IC13

Subject Code	Subject Title	Subject Credits	% Marks obtained	Credits earned

FIFTH SEMESTER:

Theory Papers:

TH1 IC301 ANALOG & DIGITAL COMMUNICATION	4	63	4
TH2 IC302 INDUSTRIAL & ANALYTICAL INST.	4	58	4
TH3 IC303 DIGITAL INTEGRATED CIRCUITS I	4	72	4
TH4 IC304 LINEAR INTEGRATED CIRCUITS	4	63	4
TH5 IC305 IND. ORG. & MANAGERIAL ECONOMICS	4	81	4

Practical / Viva-Voce :

PR1 IC306 ANALOG & DIGITAL COMMUNICATION	2	71	2
PR2 IC307 DIGITAL INTEGRATED CIRCUITS I	2	66	2
PR3 IC308 LINEAR INTEGRATED CIRCUITS	2	90	2

Valuation of Sessional Work :

VS1 IC309 PROGRAMMING III	1	75	1
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Weighted average = 69.52 % Total credits earned = 27

Minimum 40% marks required to earn credits in a subject.

prepared by	
checked by	

Controller of
Examinations

25 JAN 2016

Certificate No. : 203153



UNIVERSITY OF DELHI

STATEMENT OF MARKS

B.E. (INSTRUMENTATION AND CONTROL ENGINEERING) EXAMINATION MAY / JUNE - 2016

NETAJI SUBHAS INSTITUTE OF TECHNOLOGY

NAME: ANKUSH PRATAP SINGH

ROLL NO: 436IC13

Subject Code	Subject Title	Subject Credits	% Marks Obtained	Credits Earned
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SIXTH SEMESTER

Theory Papers

TH1	IC311	MICROPROCESSOR	4	72	4
TH2	IC312	COMPUTER AIDED DESIGN	4	77	4
TH3	IC313	INDUSTRIAL ELECTRONICS	4	74	4
TH4	IC314	CONTROL SYSTEMS-I	4	70	4
TH5	IC315	TELEMETRY & DATA TRANSMISSION	4	53	4

Practical / Viva-Voce

PR1	IC316	MICROPROCESSORS LAB	2	87	2
PR2	IC317	CAD LAB	2	85	2
PR3	IC318	CONTROL SYSTEMS LAB-I	2	85	2

Valuation of Sessional Work

VS1	IC319	PROGRAMMING-IV	1	82	1
VS2	IC320	PRACTICAL TRAINING	2	88	2

Weighted Average = 74.34 %

Total Credits Earned = 29

Minimum 40% marks required to earn credits in a subject.

Prepared by	
Checked by	

Sunay
Controller of
Examinations

1 JUL 2016

Certificate No.: 206235



UNIVERSITY OF DELHI

STATEMENT OF MARKS

B.E. (INSTRUMENTATION AND CONTROL ENGINEERING) EXAMINATION NOV - DEC 2016

NETAJI SUBHAS INSTITUTE OF TECHNOLOGY

NAME: ANKUSH PRATAP SINGH

ROLL NO: 436IC13

Subject Code	Subject Title	Subject Credits	% Marks Obtained	Credits Earned
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SEVENTH SEMESTER

Theory Papers

TH1	IC401	CONTROL SYSTEMS-II	4	65	4
TH2	IC402	DIGITAL INTEGRATED CIRCUITS II	4	46	4
TH3	IC403	PROCESS CONTROL	4	68	4
TH4	IC404	MEDICAL INSTRUMENTATION	4	87	4
TH5	IC405	ENVIRONMENTAL INSTRUMENTATION AND SAFETY	4	91	4

Practical / Viva-Voce

PR1	IC406	CONTROL SYSTEMS LAB-II	2	64	2
PR2	IC407	DIGITAL INTEGRATED CIRCUITS II	2	64	2
PR3	IC408	INSTRUMENTATION LAB-II	2	81	2
PR4	IC409	PRACTICAL TRAINING	3	75	3

Valuation of Sessional Work

VS1	IC410	PROGRAMMING-V	1	82	1
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Weighted Average = 71.77 %

Total Credits Earned = 30

Minimum 40% marks required to earn credits in a subject.

Prepared by	
Checked by	

Controller of Examinations

25 JAN 2017

Certificate No. 210535



UNIVERSITY OF DELHI

Delhi, India

STATEMENT OF MARKS

B.E. (INSTRUMENTATION AND CONTROL ENGINEERING) EXAMINATION MAY - JUNE 2017

NETAJI SUBHAS INSTITUTE OF TECHNOLOGY

NAME: ANKUSH PRATAP SINGH

ROLL NO: 436IC13

Subject Code	Subject Title	Subject Credits	% Marks Obtained	Credits Earned

EIGHTH SEMESTER

Theory Papers

TH1	IC411	CONSUMER ELECTRONICS	4	69	4
	IC412	ARTIFICIAL INTELLIGENCE	4	81	4
	IC413	PNEUMATIC AND HYDRAULIC INSTRUMENTATION AND FLUIDICS	4	90	4

Practical / Viva-Voce

PR1	IC414	ELECTIVE-III AND IV	2	82	2
PR2	IC415	PROJECT	8	75	8
PR3	IC416	PRACTICAL TRAINING	4	78	4

Valuation of Sessional Work

VS1	IC417	SEMINAR AND REPORTS	1	86	1
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Weighted Average = 78.59 %

Total Credits Earned = 27

Minimum 40% marks required to earn credits in a subject.

Prepared by	
Checked by	

24 JUL 2017

Controller of
Examinations