Issue No. 26

TRIBHUVAN UNIVERSITY

OFFICE OF THE CONTROLLER OF EXAMINATIONS
KATHMANDU, NEPAL.

ACADEMIC TRANSCRIPT

Name of the Student	: RAJAN GYAWALI		
Registration No.	: 5-2-33-47-2011	Institute	: Engineering
Course Duration	: 2 years	Campus	: Pulchowk Campus
Level	: M.Sc. Electronics / and Communication Engineering	Programme	: Information and Communication

Name: RAJAN GYAWALI **T.U. Regd. No.: 5-2-33-47-2011**

Subjects Appeared in the Examination		Full Marks			Pass Marks			Examination Attended Roll No. & Year 50361/2017 Marks Secured			Examination Attended Roll No. & Year Marks Secured			Examination Attended Roll No. & Year Marks Secured			Converted Marks (Cr.Hr.*Marks Secured)	Remarks
1st Year 1st Part	Cr.	Int.	Ext.	Total	Int.	Ext.	Total	Int.	Ext.	Total	Int.	Ext.	Total	Int.	Ext.	Total		
Digital System Design	4	40	60	100	20	30	50	**39**	**54**	**93**							**372**	
Information System Analysis and Design	4	40	60	100	20	30	50	**38**	**57**	**95**							**380**	
Information Theory and Coding	4	40	60	100	20	30	50	**39**	**57**	**96**							**384**	
Telecommunication and Computer Networks	4	40	60	100	20	30	50	**40**	**47**	**87**							**348**	
Total	**16**																**1484**	

Subjects Appeared in the Examination		Full Marks			Pass Marks			Examination Attended Roll No. & Year 5361/2018 Marks Secured			Examination Attended Roll No. & Year Marks Secured			Examination Attended Roll No. & Year Marks Secured			Converted Marks (Cr.Hr.*Marks Secured)	Remarks
1st Year 2nd Part	Cr.	Int.	Ext.	Total	Int.	Ext.	Total	Int.	Ext.	Total	Int.	Ext.	Total	Int.	Ext.	Total		
Communication Theory	4	40	60	100	20	30	50	**38**	**45**	**83**							**332**	
Research & Optimization Methods	4	40	60	100	20	30	50	**38**	**46**	**84**							**336**	
Electives:																		
Color Image Technology	4	40	60	100	20	30	50	**40**	**57**	**97**							**388**	
E-Government System	4	40	60	100	20	30	50	**38**	**53**	**91**							**364**	
Total	**16**																**1420**	

Name: RAJAN GYAWALI **T.U. Regd. No.: 5-2-33-47-2011**

Subjects Appeared in the Examination		Full Marks			Pass Marks			Examination Attended Roll No. & Year 75360/2018 Marks Secured			Examination Attended Roll No. & Year Marks Secured			Examination Attended Roll No. & Year Marks Secured			Converted Marks (Cr.Hr.*Marks Secured)	Remarks
2nd Year 1st Part	Cr.	Int.	Ext.	Total	Int.	Ext.	Total	Int.	Ext.	Total	Int.	Ext.	Total	Int.	Ext.	Total		
Project Works	4	100	—	100	50	—	50	**91**	—	**91**							**364**	
Electives:																		
Image Processing	4	40	60	100	20	30	50	**37**	**53**	**90**							**360**	
Machine Learning and Pattern Recognition	4	40	60	100	20	30	50	**40**	**57**	**97**							**388**	
Total	**12**																**1112**	

Subjects Appeared in the Examination		Full Marks			Pass Marks			Examination Attended Roll No. & Year 103509/2019 Marks Secured			Converted Marks (Cr.Hr.*Marks Secured)	Remarks
2nd Year 2nd Part	Cr.	Int.	Ext.	Total	Int.	Ext.	Total	Int.	Ext.	Total		
Thesis: Employee Face Recognition by Region Proposal Networks and Faster R-CNN	16	60	40	100	30	20	50	**56**	**31**	**87**	**1392**	
Total	**16**										**1392**	
Grand Total	**60**										**5408**	

Prepared by: Percentage: **90.13**

Checked by: Passed Division: **Distinction**

Date of Issue: 2019-07-29 Passed Examination held in the month of **2076 Baishakh (Apr/May 2019)**

Controller of Examinations

Grading system of marks secured in the examination:

Distinction - 75% and above in the aggregate.

First Division - 65% and above in the aggregate.

Second Division - 50% and above in the aggregate.

1. To pass the examination student must secure 50 percent marks in each theory and practical papers separately as well as 60 credit hours in total.
2. The overall percentage is calculated as per the credit weightage by following relation: Total Percentage = Σ(Credit x Marks) ÷ (ΣCredits).

Issue No. 227

TRIBHUVAN UNIVERSITY

OFFICE OF THE CONTROLLER OF EXAMINATIONS

KATHMANDU

NEPAL

ACADEMIC TRANSCRIPT

Name of Student : Rajan Gyawali

Registration No : 5-2-33-47-2011

Institute : Engineering

Campus : Himalaya College of Engineering

Examination : Bachelor's Degree in Electronics & Communication Engineering

Course Duration : 4 Years

7 FEB 2017

Name :- Rajan Gyawali **T. U. Regd. No. :- 5-2-33-47-2011**

Ist Year Ist Part

	Subject/s appeared in the examination	Full Marks			Pass Marks			Exam attended Year and Roll No. 2013 and 23516 Marks Secured			Exam attended Year and Roll No. Marks Secured			Exam attended Year and Roll No. Marks Secured			Exam attended Year and Roll No. Marks Secured			Exam attended Year and Roll No. Marks Secured		
		Int.	Ext.	Total	Int.	Ext.	Total	Int.	Ext.	Total	Int.	Ext.	Total	Int.	Ext.	Total	Int.	Ext.	Total	Int.	Ext.	Total
CE401	Applied Mechanics	20	80	100	8	32	40	20	55	75												
CT401	Computer Programming	20	80	100	8	32	40	20	46	66												
CT401	Computer Programming (Practical)	50	-	50	20	-	20	50	-	50												
EE401	Basic Electrical Engineering	20	80	100	8	32	40	20	57	77												
EE401	Basic Electrical Engineering (Practical)	25	-	25	10	-	10	25	-	25												
ME401	Engineering Drawing I (Practical)	60	40	100	24	16	40	59	35	94												
SH401	Engineering Mathematics I	20	80	100	8	32	40	20	60	80												
SH402	Engineering Physics	20	80	100	8	32	40	20	50	70												
SH402	Engineering Physics (Practical)	20	30	50	8	12	20	20	29	49												

Ist Year IInd Part

	Subject/s appeared in the examination	Full Marks			Pass Marks			Exam attended Year and Roll No. 2013 and 3726 Marks Secured			Exam attended Year and Roll No. Marks Secured			Exam attended Year and Roll No. Marks Secured			Exam attended Year and Roll No. Marks Secured			Exam attended Year and Roll No. Marks Secured		
		Int.	Ext.	Total	Int.	Ext.	Total	Int.	Ext.	Total	Int.	Ext.	Total	Int.	Ext.	Total	Int.	Ext.	Total	Int.	Ext.	Total
EX451	Basic Electronics Engineering	20	80	100	8	32	40	19	56	75												
EX451	Basic Electronics Engineering (Practical)	25	-	25	10	-	10	25	-	25												
ME451	Engineering Drawing II (Practical)	60	40	100	24	16	40	59	27	86												
ME452	Fundamental of Thermodynamics & Heat Transfer	20	80	100	8	32	40	20	63	83												
ME452	Fundamental of Thermodynamics & Heat Transfer (Practical)	25	-	25	10	-	10	23	-	23												
ME453	Workshop Technology	10	-	10	4	-	4	9	-	9												
ME453	Workshop Technology (Practical)	40	-	40	16	-	16	39	-	39												
SH451	Engineering Mathematics II	20	80	100	8	32	40	19	63	82												
SH453	Engineering Chemistry	20	80	100	8	32	40	18	60	78												
SH453	Engineering Chemistry (Practical)	20	30	50	8	12	20	20	29	49												
Total				1375			550			1135												

CONTROLLER OF EXAMINATIONS TRIBHUVAN UNIVERSITY KATHMANDU, NEPAL

7 FEB 2017

Name :- Rajan Gyawali

T. U. Regd. No. :- 5-2-33-47-2011

IInd Year Ist Part

Subject/s appeared in the examination		Full Marks			Pass Marks			Exam attended Year and Roll No. 2014 and 15624 Marks Secured			Exam attended Year and Roll No. Marks Secured			Exam attended Year and Roll No. Marks Secured			Exam attended Year and Roll No. Marks Secured			Exam attended Year and Roll No. Marks Secured		
		Int.	Ext.	Total	Int.	Ext.	Total	Int.	Ext.	Total	Int.	Ext.	Total	Int.	Ext.	Total	Int.	Ext.	Total	Int.	Ext.	Total
CT501	Object Oriented Programming	20	80	100	8	32	40	19	48	67												
CT501	Object Oriented Programming (Practical)	50	-	50	20	-	20	50	-	50												
EE501	Electric Circuit Theory	20	80	100	8	32	40	20	40	60												
EE501	Electric Circuit Theory (Practical)	25	-	25	10	-	10	25	-	25												
EE502	Electrical Engineering Material	20	80	100	8	32	40	20	61	81												
EX501	Electronic Devices & Circuits	20	80	100	8	32	40	20	60	80												
EX501	Electronic Devices & Circuits (Practical)	25	-	25	10	-	10	25	-	25												
EX502	Digital Logic	20	80	100	8	32	40	20	49	69												
EX502	Digital Logic (Practical)	50	-	50	20	-	20	50	-	50												
EX503	Electromagnetics	20	80	100	8	32	40	20	49	69												
EX503	Electromagnetics (Practical)	25	-	25	10	-	10	25	-	25												
SH501	Engineering Mathematics III	20	80	100	8	32	40	20	76	96												

IInd Year IInd Part

Subject/s appeared in the examination		Full Marks			Pass Marks			Exam attended Year and Roll No. 2014 and 58221 Marks Secured			Exam attended Year and Roll No. Marks Secured			Exam attended Year and Roll No. Marks Secured			Exam attended Year and Roll No. Marks Secured			Exam attended Year and Roll No. Marks Secured		
		Int.	Ext.	Total	Int.	Ext.	Total	Int.	Ext.	Total	Int.	Ext.	Total	Int.	Ext.	Total	Int.	Ext.	Total	Int.	Ext.	Total
CT551	Discrete Structure	20	80	100	8	32	40	18	59	77												
EE552	Instrumentation I	20	80	100	8	32	40	20	57	77												
EE552	Instrumentation I (Practical)	25	-	25	10	-	10	24	-	24												
EE553	Power System	20	80	100	8	32	40	20	47	67												
EE554	Electrical Machine	20	80	100	8	32	40	19	52	71												
EE554	Electrical Machine (Practical)	25	-	25	10	-	10	25	-	25												
EX551	Microprocessor	20	80	100	8	32	40	19	53	72												
EX551	Microprocessor (Practical)	50	-	50	20	-	20	49	-	49												
SH551	Applied Mathematics	20	80	100	8	32	40	20	72	92												
SH553	Numerical Methods	20	80	100	8	32	40	20	76	96												
SH553	Numerical Methods (Practical)	50	-	50	20	-	20	50	-	50												
Total				1725			690			1397												

OFFICE OF THE CONTROLLER OF EXAMINATIONS TRIBHUVAN UNIVERSITY KATHMANDU, NEPAL

- 7 FEB 2017

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Name :- Rajan Gyawali **T. U. Regd. No. :- 5-2-33-47-2011**

IIIrd Year Ist Part

	Subject/s appeared in the examination	Full Marks			Pass Marks			Exam attended Year and Roll No. 2015 and 55718 Marks Secured			Exam attended Year and Roll No. Marks Secured			Exam attended Year and Roll No. Marks Secured			Exam attended Year and Roll No. Marks Secured			Exam attended Year and Roll No. Marks Secured		
		Int.	Ext.	Total	Int.	Ext.	Total	Int.	Ext.	Total	Int.	Ext.	Total	Int.	Ext.	Total	Int.	Ext.	Total	Int.	Ext.	Total
CT603	Computer Orginization & Architecture	20	80	100	8	32	40	20	60	80												
CT603	Computer Orginization & Architecture (Practical)	25	-	25	10	-	10	25	-	25												
EE602	Control System	20	80	100	8	32	40	20	32	52												
EE602	Control System (Practical)	25	-	25	10	-	10	24	-	24												
EX601	Advanced Electronics	20	80	100	8	32	40	20	70	90												
EX601	Advanced Electronics (Practical)	25	-	25	10	-	10	25	-	25												
EX602	Instrumentation II	20	80	100	8	32	40	20	58	78												
EX602	Instrumentation II (Practical)	25	-	25	10	-	10	25	-	25												
EX603	Computer Graphics	20	80	100	8	32	40	20	51	71												
EX603	Computer Graphics (Practical)	50	-	50	20	-	20	50	-	50												
SH601	Communication English	20	80	100	8	32	40	18	49	67												
SH601	Communication English (Practical)	25	-	25	10	-	10	23	-	23												
SH602	Probability & Statistics	20	80	100	8	32	40	20	69	89												

IIIrd Year IInd Part

	Subject/s appeared in the examination	Full Marks			Pass Marks			Exam attended Year and Roll No. 2015 and 25569 Marks Secured			Exam attended Year and Roll No. Marks Secured			Exam attended Year and Roll No. Marks Secured			Exam attended Year and Roll No. Marks Secured			Exam attended Year and Roll No. Marks Secured		
		Int.	Ext.	Total	Int.	Ext.	Total	Int.	Ext.	Total	Int.	Ext.	Total	Int.	Ext.	Total	Int.	Ext.	Total	Int.	Ext.	Total
CE655	Engineering Economics	20	80	100	8	32	40	20	49	69												
CT655	Embedded System	20	80	100	8	32	40	20	56	76												
CT655	Embedded System (Practical)	25	-	25	10	-	10	24	-	24												
CT657	Computer Network	20	80	100	8	32	40	20	62	82												
CT657	Computer Network (Practical)	50	-	50	20	-	20	50	-	50												
EX651	Signal Analysis	20	80	100	8	32	40	20	62	82												
EX651	Signal Analysis (Practical)	25	-	25	10	-	10	25	-	25												
EX652	Communication System I	20	80	100	8	32	40	20	58	78												
EX652	Communication System I (Practical)	25	-	25	10	-	10	24	-	24												
EX653	Propagation & Antenna	20	80	100	8	32	40	20	57	77												
EX653	Propagation & Antenna (Practical)	25	-	25	10	-	10	24	-	24												
EX654	Minor Project (Practical)	50	25	75	20	10	30	50	25	75												
Total				1700			680			1385												

OFFICE OF THE CONTROLLER OF EXAMINATIONS TRIBHUVAN UNIVERSITY KATHMANDU, NEPAL

7 FEB 2017

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Name :- Rajan Gyawali **T. U. Regd. No. :- 5-2-33-47-2011**

IVth Year Ist Part

	Subject/s appeared in the examination	Full Marks			Pass Marks			Exam attended Year and Roll No. 2016 and 40267 Marks Secured			Exam attended Year and Roll No. Marks Secured			Exam attended Year and Roll No. Marks Secured			Exam attended Year and Roll No. Marks Secured			Exam attended Year and Roll No. Marks Secured		
		Int.	Ext.	Total	Int.	Ext.	Total	Int.	Ext.	Total	Int.	Ext.	Total	Int.	Ext.	Total	Int.	Ext.	Total	Int.	Ext.	Total
CT701	Project Management	20	80	100	8	32	40	20	55	75												
CT72502	Data Mining (Elective I)	20	80	100	8	32	40	20	60	80												
CT72502	Data Mining (Elective I) (Practical)	25	-	25	10	-	10	25	-	25												
EX701	Energy Environment & Society	10	40	50	4	16	20	10	36	46												
EX702	Communication System II	20	80	100	8	32	40	20	55	75												
EX702	Communication System II (Practical)	25	-	25	10	-	10	25	-	25												
EX703	Telecommunication	20	80	100	8	32	40	20	64	84												
EX703	Telecommunication (Practical)	25	-	25	10	-	10	22	-	22												
EX704	Filter Design	20	80	100	8	32	40	20	51	71												
EX704	Filter Design (Practical)	25	-	25	10	-	10	25	-	25												
EX707	Project I (Practical)	50	-	50	20	-	20	46	-	46												
ME708	Organization & Management	20	80	100	8	32	40	20	46	66												

IVth Year IInd Part

	Subject/s appeared in the examination	Full Marks			Pass Marks			Exam attended Year and Roll No. 2016 and 39025 Marks Secured			Exam attended Year and Roll No. Marks Secured			Exam attended Year and Roll No. Marks Secured			Exam attended Year and Roll No. Marks Secured			Exam attended Year and Roll No. Marks Secured		
		Int.	Ext.	Total	Int.	Ext.	Total	Int.	Ext.	Total	Int.	Ext.	Total	Int.	Ext.	Total	Int.	Ext.	Total	Int.	Ext.	Total
CE752	Engineering Professional Practice	10	40	50	4	16	20	10	26	36												
CT76507	Big Data Technologies (Elective II)	20	80	100	8	32	40	20	71	91												
CT76507	Big Data Technologies (Elective II) (Practical)	25	-	25	10	-	10	25	-	25												
CT78506	Artificial Intelligence (Elective III)	20	80	100	8	32	40	20	67	87												
CT78506	Artificial Intelligence (Elective III) (Practical)	25	-	25	10	-	10	25	-	25												
EX751	Wireless Communication	20	80	100	8	32	40	20	55	75												
EX752	RF & Microwave Engineering	20	80	100	8	32	40	20	61	81												
EX752	RF & Microwave Engineering (Practical)	25	-	25	10	-	10	25	-	25												
EX753	Digital Signal Processing	20	80	100	8	32	40	20	64	84												
EX753	Digital Signal Processing (Practical)	25	-	25	10	-	10	25	-	25												
EX755	Project II (Practical)	50	50	100	20	20	40	48	48	96												
Total				1550			620			1290												

7 FEB 2017

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Name :- Rajan Gyawali **T. U. Regd. No. :- 5-2-33-47-2011**

Based on the weightages assigned to each year scores the aggregate full marks, marks secured and percentage are given below.

Year	I	II	III	IV	Total
Weightage %	20	20	30	30	100
Full Marks	275	345	510	465	1595
Marks Secured	227	279.4	415.5	387	1308.9

Percentage 82.06

Passed Division Distinction

Passed Examination of 2073 (2016)

OFFICE OF THE CONTROLLER OF EXAMINATIONS TRIBHUVAN UNIVERSITY KATHMANDU, NEPAL

- 7 FEB 2017

Date of Issue Prepared by Checked by CONTROLLER OF EXAMINATIONS

Grading system of marks secured in the examination:

Distinction - 80% and above in the aggregate.
First Division - 65% and above in the aggregate.
Second Division - 50% and above in the aggregate

To pass the examination at least 40% of marks must be secured in the internal and external examinations as well as in the theory and practical examinations of each paper separately.

त्रिभुवन विश्वविद्यालय
TRIBHUVAN UNIVERSITY
इन्जिनियरिङ्ग अध्ययन संस्थान
INSTITUTE OF ENGINEERING
परीक्षा नियन्त्रण महाशाखा
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फोन: ५२६०६३६, ५२६०७१६
फ्याक्स: ५२६०१२९

Ref. No. 691 /073/074

Date: Feb 13, 2017

TO WHOM IT MAY CONCERN

This is to certify that **Mr. Rajan Gyawali,** (TU Regd. No. 5-2-33-47-2011), student of Himalaya College of Engineering has secured 82.06 percent in the examination conducted by Examination Control Division, Institute of Engineering, Tribhuvan University during the academic years 2012-2016.

He was ranked **third** among all the students in Bachelor's Degree Electronics & Communication Engineering Program and ranked **tenth** among all the students in Bachelor's Degree Engineering Programs of Institute of Engineering, Tribhuvan University.

Prof. Ramchandra Sapkota
Assistant Dean