



राष्ट्रीय प्रौद्योगिकी संस्थान, राउरकेला
NATIONAL INSTITUTE OF TECHNOLOGY, ROURKELA

111th EMERGENCY MEETING OF THE SENATE
[Through MS TEAM]

Date : 30th December 2021 (Thursday)
Time : 05.15 PM

MINUTES

Senate-111[2021]-01: Welcome to the members and invitees by the Chairman, Senate.

The Director and Chairman, Senate welcomed all members and invitees to the meeting. Leave of absence was approved for all members/invitees who were not present.

Senate-111[2021]-02: Proposal for the Chief Guest for XIX Convocation.

The Senate in its 108th meeting vide resolution no. Senate-108[2021]-27 approved the names of following personalities for consideration of the Chief Guest for the XIX Convocation of the Institute.

- (i) Mr. N. R. Narayana Murthy, Founder of Infosys
- (ii) Governor, RBI
- (iii) Chairman, DRDO
- (iv) Chairman, ISRO

The Senate also decided that the list was not exhaustive and authorized the Chairman, Senate to take decision on the Chief Guest based on their availability.

The Office of the above personalities (ii) & (iii) were contacted, for their consent to be the Chief Guest for the XIX Convocation of the Institute. However, due to their pre-occupation, our request could not be accepted by them. Office of (i) & (iv) could not be contacted in spite of sincere effort.

During deliberation the Senate was apprised that the Office of the Chairperson, SAIL, Mrs. Soma Mondal (One of the Navaratna CPSEs) was contacted and a positive response has been received. Accordingly, the Senate approved the name of the Chairperson, SAIL as Chief Guest for the XIX Convocation of the Institute.

Senate-111[2021]-03: Certificate format for the Minor Degree.

On the basis of the Senate decision, Minor Degree is being offered to the students from 2017-18 admission batch and the first batch of such students have graduated in the AY 2020-21. Now those students will be awarded degree in the XIX Convocation. However, no decision has been taken yet on the mention of Minor Degree and format in the Degree Certificate. But the same is mentioned in the Grade Card with course/grade details.



2

Draft format of the degree Certificate mentioning Minor Degree is placed before the Senate for consideration.

The Senate considered the draft format of the degree Certificate for Minor Degree and decided that the Minor Degree to the graduating student to be issued in the format as that of IIT-Kanpur with change in signatory as per Institute practice.

[Annexure – A1, Page No. 3 - 10]

Senate-111[2021]-04: Any other matter with permission of the Chair.

ITEM -1: Mode of conduction of XIX Convocation

In view of increasing trend of Omicron COVID virus, the following decisions were taken with regard to conduct of XIX Convocation:

- i) The students with double dose vaccination and negative report of RTPCR test done within 72 hours as on the day of convocation will be allowed.*
- ii) No parents will be allowed to attend the Convocation.*
- iii) The pandemic situation will be reviewed after 07 days. If the situation does not permit, the Convocation will be done through online mode. It is not a good idea to defer the Convocation in the better interest of the students unless otherwise situation does not compel.*
- iv) Degree recipients will not be provided accommodation in the campus.*

ITEM -2: Attendance for Research and M Tech students.

The Senate decided that the attendance of Research and M Tech students will be maintained online through NITRIS portal and the fellowship will be governed accordingly. The system will prompt all students present as default. The concerned Supervisor/Faculty Advisor will approve the attendance every week. If a student remains absent the Supervisor will change his attendance from 'present' to 'absent'. This provision will be in force till biometric attendance is restored.

ITEM -3: Comprehensive Examination for Research student.

The Comprehensive Examination for research students which is supposed to be held on 10/01/2022 can be conducted during January 10-12th, 2022.

The meeting ended with thanks to the Chair.



(Prof. R. Dhiman)
Registrar & Secretary, Senate



(Prof. C. K. Sahoo)
Director & Chairman, Senate (I/c)

National Institute of Technology Rourkela



Certificate for Minor

This is to certify that Ms. Debatri Chakraborty (Roll No: 117BT0024), a student of Bachelor of Technology programme in the Department of Biotechnology & Medical Engineering has successfully completed the requirements for the MINOR as detailed below:

Minor	Department
Electrical Engineering	Electrical Engineering

She is hereby awarded the above mentioned Minor along with the degree of Bachelor of Technology in Biotechnology.

Registrar

Director



19/0281/117CS/ U



National Institute of Technology Rourkela

Upon the recommendation of the Senate,
hereby confers the degree of

Bachelor of Technology

in
Computer Science & Engineering
(Minor ^{Desired} in *Electronics & Communicati Engineering*)

Roshan Senapati
ROURKELA

who has successfully completed the course of
studies as prescribed under the regulations and passed
the Final Examination in the session ending in June 2021,

with Honours.

Given this day, under the seal of the Institute
at Rourkela in the Republic of India,
the 10th Day of January 2022.



Registrar

- 4 -

Director

19/0281/117CS0264 Roshan Senapati Bachelor of Technology Computer Science & Engineering Honours

19/0281/117CS0264 Roshan Senapati Bachelor of Technology Computer Science & Engineering Honours

Roll No. 117CS0264



PROVISIONAL

**NATIONAL INSTITUTE OF TECHNOLOGY
ROURKELA**

This is to certify that ROSHAN SENAPATI
has successfully completed the course of studies as prescribed under the
regulations and passed the final examination for the degree of

BACHELOR OF TECHNOLOGY

in

COMPUTER SCIENCE AND ENGINEERING

*Minor degree in ~~Electronics Engineering~~
with ~~Electronics Engineering~~ & ~~Communicative Engineering~~*

Honours

in the session ending June, 2021 .

ROURKELA

Rourkela
Date : 29 Jun 2021

Dean (Academic)
Associate Dean
(Academic)
National Institute of Technology
Rourkela-769008 (Odisha)

For verification of contents, please log on to institute website www.nitrkl.ac.in

भारतीय प्रौद्योगिकी संस्थान कानपुर
Indian Institute of Technology Kanpur



No. A/LEV

/CSSE/27/170814
 December 27, 2021

Certificate for Minor

This is to certify that **Mr. YASH BAHETI** (Roll No. 170814), is student of **Bachelor of Technology** programme in the Department of **Computer Science & Engineering** has successfully completed the requirements for the **MINOR** as detailed below:

Minor	Department
COGNITIVE SCIENCE	COGNITIVE SCIENCE

He is hereby awarded the above mentioned Minor along with the degree of **Bachelor of Technology in Computer Science & Engineering**.



(Signature)

Assistant Registrar
 (Academic Affairs)
 Indian Institute of Technology Kanpur

Roll No. / Form No. 01-YASH BAHETI

विद्या ऽपारिणतः की अमुकता ॥ १ ॥
 भारतीय प्रौद्योगिकी संस्थान कानपुर
 के संकायक-मण्डली द्वारा
 यश बाहेती

को
 प्रौद्योगिकी स्नातक
 की उपाधि

संगणक विज्ञान तथा अभियंत्रिकी
 संकायक-मण्डली से सफलपूर्वक पूर्ण कर लेने पर
 में निर्धारित अर्हताएं सफलपूर्वक पूर्ण कर लेने पर
 अतिरिक्त विषयों को उत्तीर्ण करने पर
 प्रदान की गयी।



THE BOARD OF GOVERNORS
 OF THE
 INDIAN INSTITUTE OF TECHNOLOGY KANPUR
 UPON THE RECOMMENDATION OF THE SENATE
 HEREBY CONFERS ON

YASH BAHETI
 THE DEGREE OF
BACHELOR OF TECHNOLOGY
 IN

COMPUTER SCIENCE & ENGINEERING
 ON HAVING SUCCESSFULLY COMPLETED THE
 PRESCRIBED REQUIREMENTS
 GIVEN AT KANPUR ON THIS TWENTY EIGHTH DAY OF DECEMBER
 TWO THOUSAND TWENTY ONE

(Signature)

CHAIRMAN
 BOARD OF GOVERNORS

(Signature)

REGISTRAR

(Signature)

CHAIRMAN
 SENATE

Roll No. 17EC10054

INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

upon the recommendation of the Senate hereby confers the degree of

Bachelor of Technology (Honours)

in

Electronics and Electrical Communication Engineering
with Minor in Computer Science and Engineering

on

Shivam Saxena

Given under the seal of the Institute at Khargapur on the Fifteenth day of December, Two Thousand and Twenty One

Registrar

Director

SAMPLE

SAMPLE

7-

Biju Patnaik University of Technology, Odisha

Reg. No. : 1501316151

Rourkela

Sl. No. : D10180181232



*On recommendation of the Board of Management,
hereby confers the degree of*

Bachelor of Technology

in

**ELECTRICAL ENGINEERING (WITH MINOR IN COMPUTER
SCIENCE & ENGINEERING)**

on

SHAHAN SHAH ALAM

of

Bhubaneswar Engineering College, Bhubaneswar

*on having successfully completed the prescribed requirements
in the academic year 2019-20*

Given at Rourkela on this day under the seal of the University.



Dated : 03 AUG 2021



Vice-Chancellor



NATIONAL INSTITUTE OF TECHNOLOGY ROURKELA
GRADE CARD
BACHELOR OF TECHNOLOGY

Name : ROSHAN SENAPATI	Major Branch : COMPUTER SCIENCE AND ENGINEERING	Joined : AY 2017-18
Roll No : 117CS0264	Minor Branch : ELECTRONICS AND COMMUNICATION ENGINEERING	Graduated : AY 2020-21

1st Semester				
Subject Code	Subject Name	L-T-P	Credits	Grade
CE1000	Engineering Mechanics	3-1-0	4	A
MA1001	Mathematics - I	3-1-0	4	C
CY1101	Chemistry	2-1-0	3	EX
EE1000	Basic Electrical Engineering	3-0-0	3	C
PH1001	Physics - I	2-1-0	3	A
CS1000	Basic Programming	1-0-2	2	B
PH1070	Physics Laboratory	0-0-3	2	A
WS1151	Workshop Practice - I	0-0-3	2	A
EA1175	Physical Education - I	0-0-3	0	S
Semester Credits :	23	Semester Grade Point Average (SGPA):		8.43
Total Credits :	23	Cumulative Grade Point Average (CGPA):		8.43

2nd Semester				
Subject Code	Subject Name	L-T-P	Credits	Grade
MA1002	Mathematics - II	3-1-0	4	A
CE1500	Environment and Safety Engineering	3-0-0	3	EX
EC1000	Basic Electronics Engineering	3-0-0	3	EX
PH1002	Physics - II	2-1-0	3	A
HS1300	Communicative English	2-0-0	2	A
LS1001	Biology	2-0-0	2	B
CE1701	Engineering Drawing	0-0-3	2	A
CY1170	Chemistry Laboratory	0-0-3	2	B
EA1174	NSS - II	0-0-3	0	S
Semester Credits :	21	Semester Grade Point Average (SGPA):		9.10
Total Credits :	44	Cumulative Grade Point Average (CGPA):		8.75

3rd Semester				
Subject Code	Subject Name	L-T-P	Credits	Grade
MA2203	Introduction to Probability and Statistics	3-1-0	4	A
CS2001	Digital System Design	3-0-0	3	EX
CS2003	Discrete Structures	3-0-0	3	B
CS2005	Data Structures and Algorithms	3-0-0	3	P
HS1331	Introduction to Society and Culture	3-0-0	3	B
CS2071	Data Structure and Algorithms Laboratory	0-0-3	2	EX
CS2073	Digital System Design Laboratory	0-0-3	2	A
HS1270	Language Laboratory	0-0-2	1	B
Semester Credits :	21	Semester Grade Point Average (SGPA):		8.33
Total Credits :	65	Cumulative Grade Point Average (CGPA):		8.62

4th Semester				
Subject Code	Subject Name	L-T-P	Credits	Grade
CS2002	Computer Organization and Architecture	3-0-0	3	B
CS2004	Formal Languages and Automata Theory	3-0-0	3	B
CS2006	Design and Analysis of Algorithms	3-0-0	3	EX
CS2008	Database Engineering	3-0-0	3	D
HS1334	Social Movement in India	3-0-0	3	A
CS2072	Database Engineering Laboratory	0-0-3	2	B
CS2074	Computer Organization Laboratory	0-0-3	2	A
CS2076	Design and Analysis of Algorithms Laboratory	0-0-3	2	A
Semester Credits :	21	Semester Grade Point Average (SGPA):		8.33
Total Credits :	86	Cumulative Grade Point Average (CGPA):		8.55

5th Semester				
Subject Code	Subject Name	L-T-P	Credits	Grade
CS3001	Data Communication	3-0-0	3	A
CS3003	Object-Oriented System Design	3-0-0	3	B
CS3005	Microprocessors and Microcontrollers	3-0-0	3	A
CS3007	Compiler Design	3-0-0	3	EX
CS3009	Operating Systems	3-0-0	3	B
CS3071	Operating Systems Laboratory	0-0-3	2	A
CS3073	Microprocessors Laboratory	0-0-3	2	A
CS3075	Compiler Design Laboratory	0-0-3	2	B
Semester Credits :	21	Semester Grade Point Average (SGPA):		8.76
Total Credits :	107	Cumulative Grade Point Average (CGPA):		8.59

6th Semester				
Subject Code	Subject Name	L-T-P	Credits	Grade
CS3002	Computer Networks	3-0-0	3	A
CS3004	Software Engineering	3-0-0	3	EX
CS3006	Distributed Systems	3-0-0	3	EX
CS3304	Computer Graphics	3-0-0	3	A
CS3306	Machine Learning	3-0-0	3	B
CS3072	Data Comm and Computer Networks Laboratory	0-0-3	2	EX
CS3074	Software Engineering Laboratory	0-0-3	2	EX
CS4470	Distributed Computing Laboratory	0-0-3	2	A
Semester Credits :	21	Semester Grade Point Average (SGPA):		9.33
Total Credits :	128	Cumulative Grade Point Average (CGPA):		8.71

Name : **ROSHAN SENAPATI**
Roll No **117CS0264**

Major Branch: **COMPUTER SCIENCE AND ENGINEERING**
Minor Branch: **ELECTRONICS AND COMMUNICATION ENGINEERING**

Joined : **AY 2017-18**
Graduated : **AY 2020-21**

7th Semester				
Subject Code	Subject Name	L-T-P	Credits	Grade
CS6128	Cloud Computing	3-0-0	3	A
CS6217	Biometric Security	3-0-0	3	C
CS6301	Foundations of Computer Security	3-0-0	3	A
CS6312	Data Warehousing and Mining	3-0-0	3	A
CS6172	Network Simulation Laboratory	0-0-3	2	A
CS6272	Machine Learning Laboratory	0-0-3	2	A
CS6371	Cryptography Laboratory	0-0-3	2	A
CS4903	Seminar and Technical Writing - I	0-0-3	2	A
CS4091	Research Project - I	0-0-0	2	A
Semester Credits :	22	Semester Grade Point Average (SGPA):		8.73
Total Credits :	150	Cumulative Grade Point Average (CGPA):		8.71

8th Semester				
Subject Code	Subject Name	L-T-P	Credits	Grade
CS6302	Advanced Computer Networks	3-0-0	3	B
CS6306	Intrusion Detection Systems	3-0-0	3	A
SM6811	Business Research Methodology	3-0-0	3	A
CS6175	Network Programming Laboratory	0-0-3	2	A
CS6475	Soft Computing Laboratory	0-0-3	2	A
CS4906	Short Term Industrial/Research Experience	0-0-0	0	S
CS4904	Seminar and Technical Writing - II	0-0-3	2	A
CS4092	Research Project - II	0-0-0	4	A
CS4908	Comprehensive Viva Voce	0-0-0	2	C
Semester Credits :	21	Semester Grade Point Average (SGPA):		8.67
Total Credits :	171	Cumulative Grade Point Average (CGPA):		8.71

MINOR DEGREE SUBJECTS					
Subject Code	Subject Name	Semester	L-T-P	Credits	Grade
EC2010	Fundamentals of Signals and Systems	3	2-1-0	3	A
EC2010	Digital System Design	4	3-0-0	3	EX
EC3510	Fundamentals of Communication Systems	5	3-0-0	3	A
EC3210	Embedded Systems and Applications	6	3-0-0	3	EX
EC4310	Principles of Electronic Instrumentation	7	3-0-0	3	A
EC3710	Electronics Circuit Design Laboratory	7	0-0-2	1	EX
EC4710	Communication System Laboratory	8	0-0-2	1	A
Total Credits :	17	Cumulative Grade Point Average (CGPA):			9.41

Overall / Major CGPA = 8.71

Minor Degree CGPA = 9.41

REMARKS :	Performance	Grade	Grade Point	Performance	Grade	Grade Point	Performance	Grade	Grade Point
	Excellent	Ex	10	Fair	C	7	Fail	F	2
	Very Good	A	9	Average	D	6	Incomplete Assessment	I	-
	Good	B	8	Pass	P	5	Debarred	X	-
				Satisfactory	S	-	Unsatisfactory	U	-

Date : 07 Jul 2021

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COMPARED BY

(Signature)
DEPUTY/ASSISTANT REGISTRAR (ACADEMIC)

Deputy Registrar
(Academic)
National Institute of Technology
ROURKELA-769008 (INDIA)