B. K. BIRLA COLLEGE OF ARTS, SCIENCE AND COMMERCE (AUTONOMOUS), KALYAN

CERTIFICATE COURSE

Blockchain and its Applications

Week 1: Introduction to Blockchain Technology and its Importance
Week 2: Basic Crypto Primitives I – Cryptographic Hash
Week 3: Basic Crypto Primitives II – Digital Signature
Week 4: Evolution of the Blockchain Technology
Week 5: Elements of a Blockchain
Week 6: Blockchain Consensus I – Permissionless Models
Week 7: Blockchain Consensus II – Permissioned Models
Week 8: Smart Contract Hands On I – Ethereum Smart Contracts (Permissionless Model)
Week 9: Smart Contract Hand On II – Hyperledger Fabric (Permissioned Model)
Week 10: Decentralized Identity Management
Week 11: Blockchain Interoperability
Week 12: Blockchain Applications
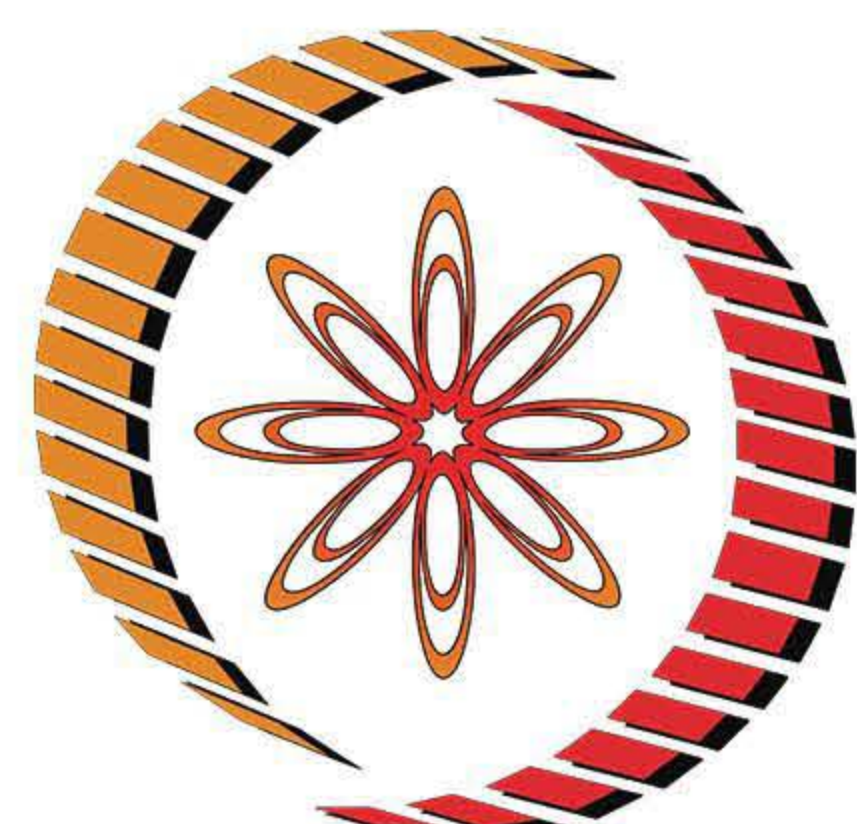
Roll No: NPTEL22CS44S13890663

To
GAURAV MARKAND NIMJE
DWARKA NAGRI CHS, KRISHNA WING, 402/4
SANTOSH NAGAR,TISGOAN NAKA,KALYAN(E).
KALYAN
MAHARASHTRA - 421306
PH. NO :9082506656

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:3
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to

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for successfully completing the course

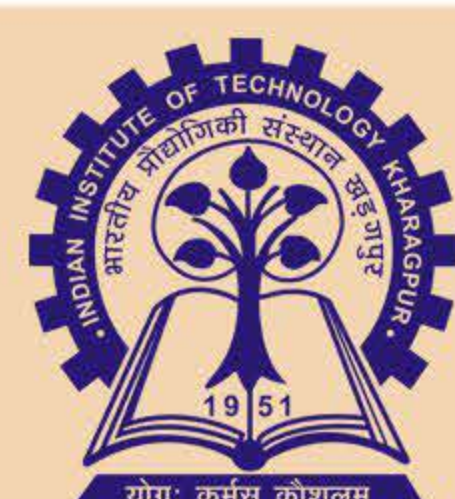## Blockchain and its Applications

with a consolidated score of **52** %

Online Assignments	21.66/25	Proctored Exam	30/75

Total number of candidates certified in this course: **1965**

Prof. Jayanta Mukhopadhyay
Dean Outreach
IIT Kharagpur

Jan-Apr 2022
(12 week course)

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

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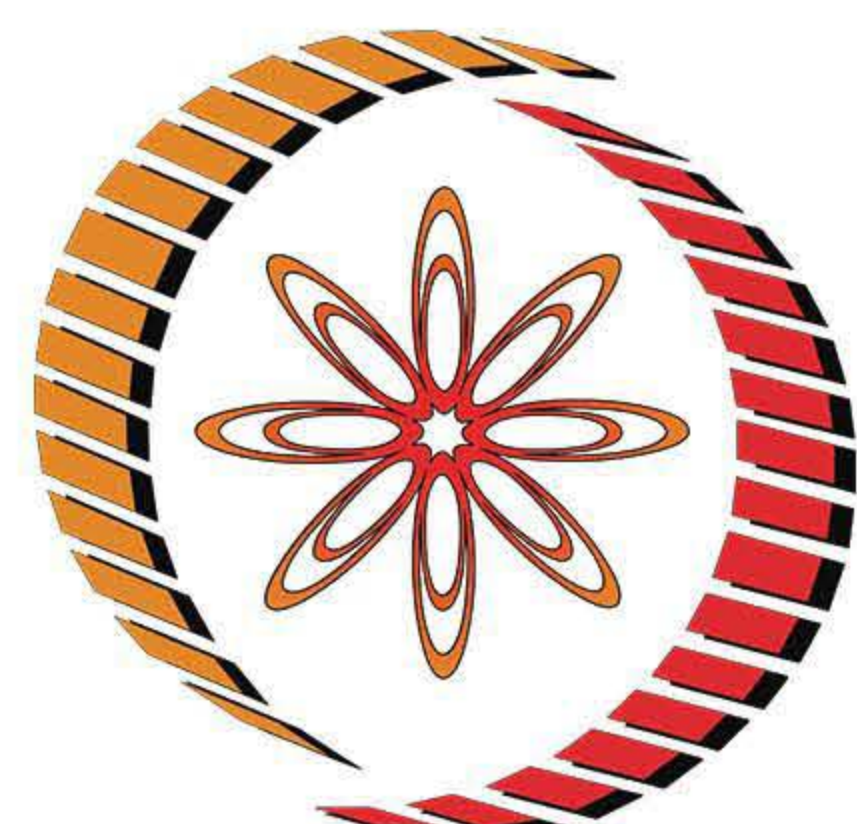
Roll No: NPTEL22CS44S13890818

To
KALPESH PRAKASH BHOIR
AT- BARADPADA POST-KISHOR
TAL- MURBAD DIST- THANE
MURBAD
MAHARASHTRA - 421401
PH. NO :7720961416

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:3
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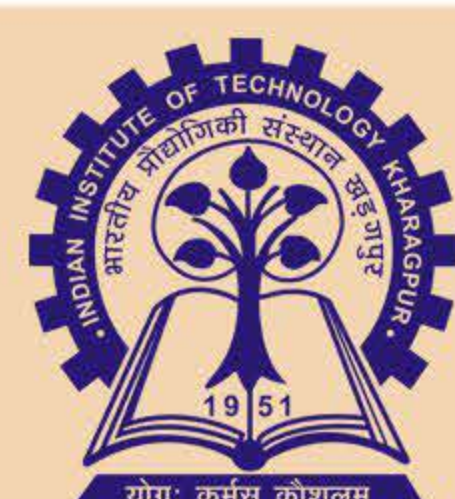## Blockchain and its Applications

with a consolidated score of **54** %

Online Assignments	20.6/25	Proctored Exam	33.5/75

Total number of candidates certified in this course: **1965**

Prof. Jayanta Mukhopadhyay
Dean Outreach
IIT Kharagpur

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Roll No: **NPTEL22CS44S23892016**

To
MUSTAFA MOHAMED ISMAIL SHAIKH
BUILDING NO-6, FLAT NO-214,MMRDA COLONY
JV LINK ROAD, OPPOSITE L&T, POWAI
MUMBAI
MAHARASHTRA - 400072
PH. NO :9820932826

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

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This certificate is awarded to

MUSTAFA MOHAMED ISMAIL SHAIKH

for successfully completing the course

Blockchain and its Applications

with a consolidated score of **52** %

Online Assignments	21.94/25	Proctored Exam	30/75

Total number of candidates certified in this course: **1965**

Prof. Jayanta Mukhopadhyay
Dean Outreach
IIT Kharagpur

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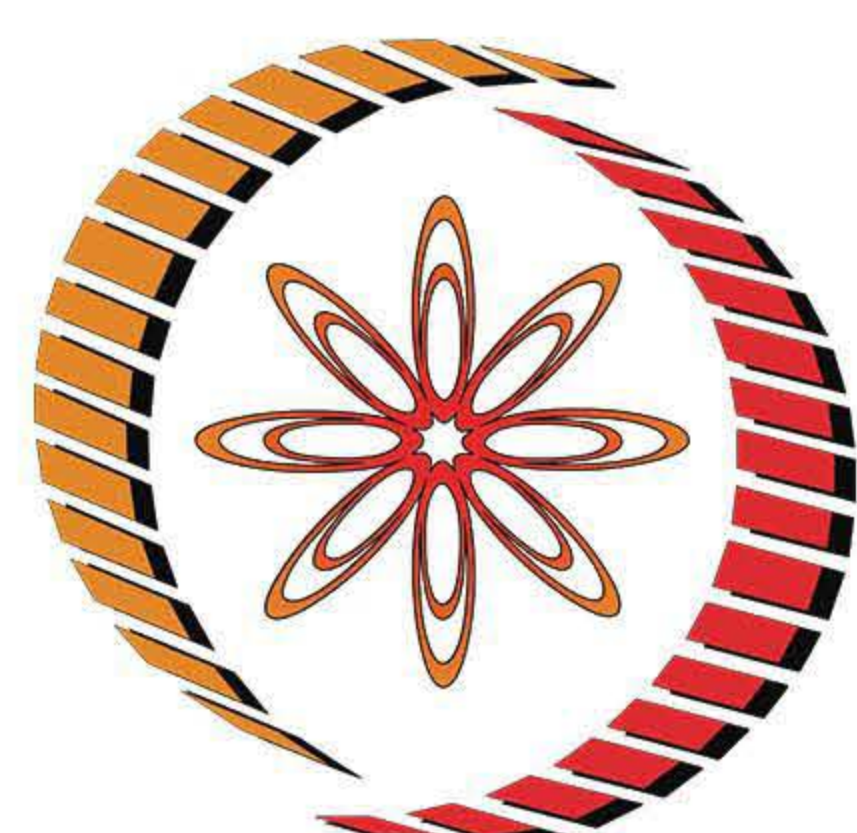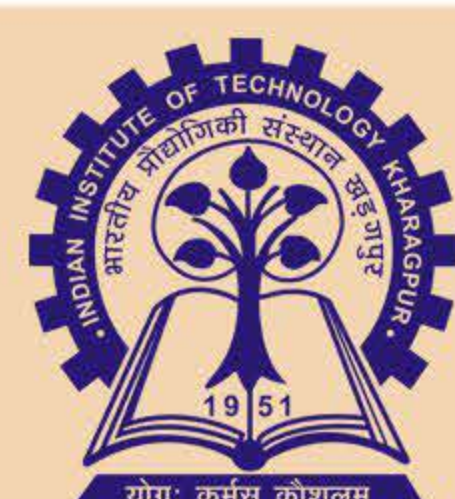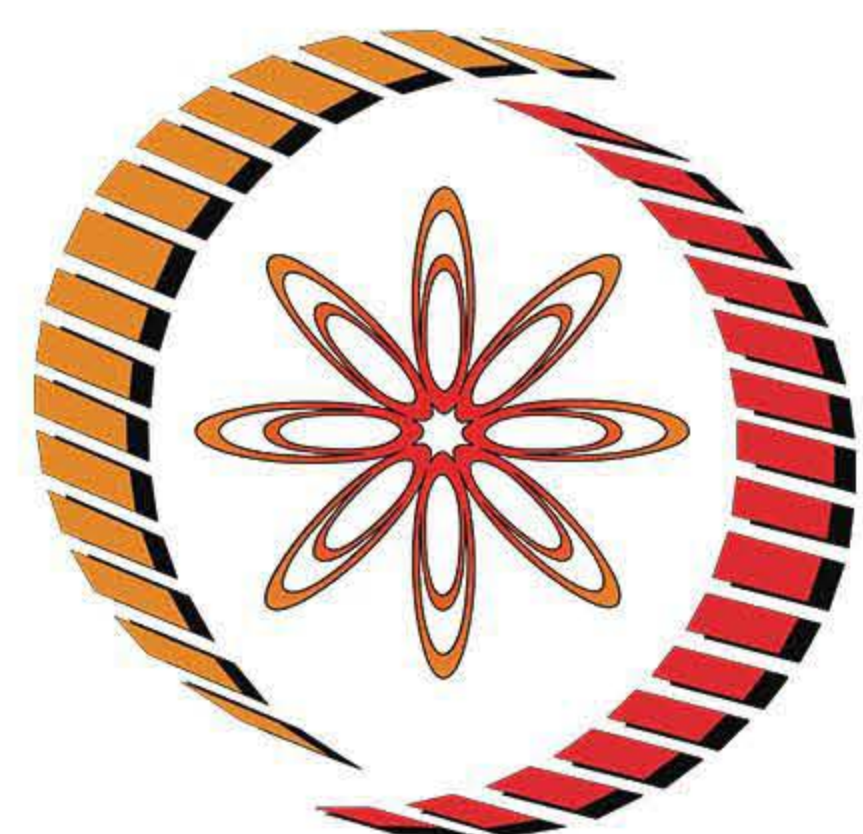
Roll No: NPTEL22CS44S23892089

To
SHREEPAD SUBRAMANYAM MURTHY
SARVODAY NIWAS 66-B2, PANCHARATNA AREA
MANJARLI, BADLAPUR WEST, 421503
BADLAPUR
MAHARASHTRA - 421503
PH. NO :9272664619

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

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Elite

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TOP TOPPER 5%

This certificate is awarded to

SHREEPAD SUBRAMANYAM MURTHY

for successfully completing the course

Blockchain and its Applications

with a consolidated score of **73** %

Online Assignments	23/25	Proctored Exam	50.37/75

Total number of candidates certified in this course: **1965**

Prof. Jayanta Mukhopadhyay
Dean Outreach
IIT Kharagpur

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(12 week course)

Prof. Debjani Chakraborty
Coordinator, NPTEL
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Roll No: **NPTEL22CS44S23892105**

To
SHRINIVAS DHANANJAY DESHPANDE
6-204 GOKUL NAGARI
KHADAKPADA
KALYAN
MAHARASHTRA - 421301
PH. NO :8104845272

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:3
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

NPTEL Online Certification
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SHRINIVAS DHANANJAY DESHPANDE

for successfully completing the course

Blockchain and its Applications

with a consolidated score of **52** %

Online Assignments	22.16/25	Proctored Exam	30/75

Total number of candidates certified in this course: **1965**

Prof. Jayanta Mukhopadhyay
Dean Outreach
IIT Kharagpur

Jan-Apr 2022
(12 week course)

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur

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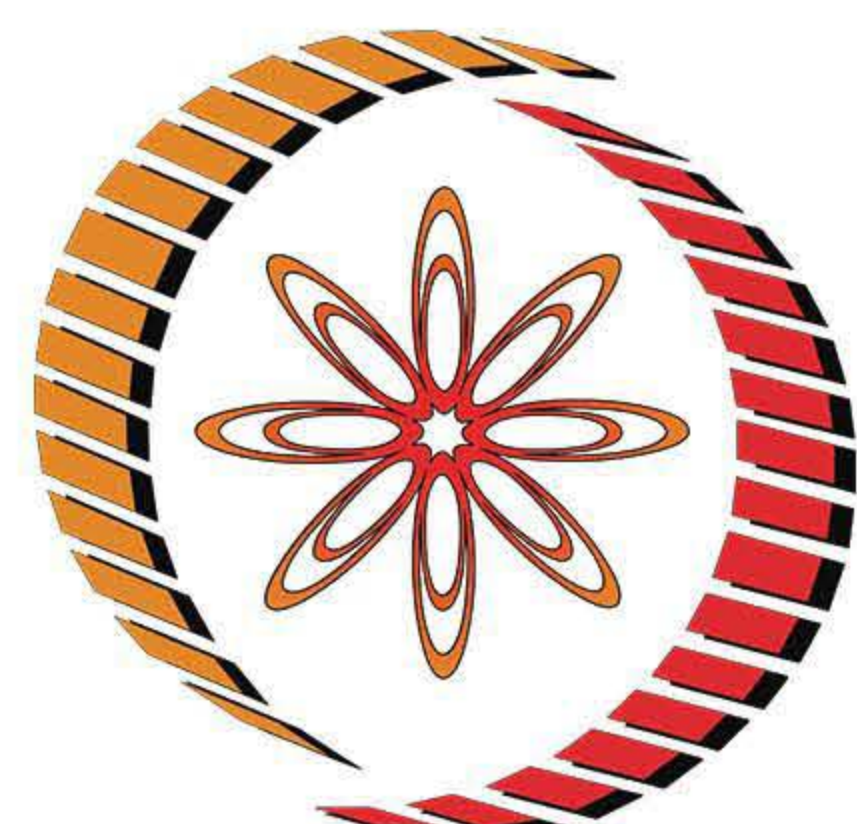शिक्षित भारत, उन्नत भारत

Roll No: NPTEL22CS44S14110023

To
VIRAJ VILAS PARAB
KAMATSRUSHTI, PARABWADI, B-14, KANKAVLI
NEAR RAILWAY OFFICE
KANKAVLI
MAHARASHTRA - 416602
PH. NO :8180962099

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:3
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

Elite

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This certificate is awarded to

VIRAJ VILAS PARAB

for successfully completing the course

Blockchain and its Applications
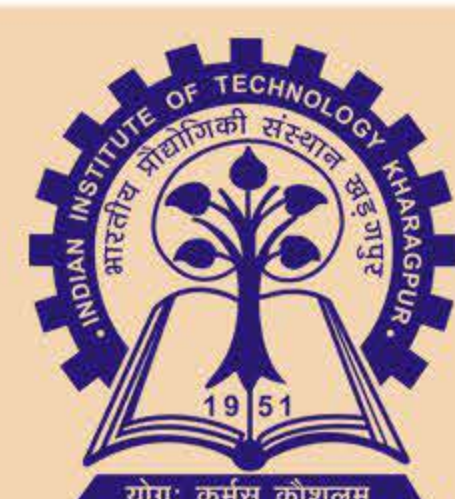
with a consolidated score of **60** %

Online Assignments	21.47/25	Proctored Exam	38.38/75

Total number of candidates certified in this course: **1965**

Prof. Jayanta Mukhopadhyay
Dean Outreach
IIT Kharagpur

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Prof. Debjani Chakraborty
Coordinator, NPTEL
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