



தமிழ்நாடு அறிவியல் தொழில்நுட்ப மாநில மன்றம்
TAMIL NADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

(Established by Government of Tamilnadu)
Directorate of Technical Education Campus, Chennai - 600 025

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Web : www.tanscst.nic.in

Telefax : 044 - 2230 1552

E-mail : ms.tanscst@nic.in/enquiry.tanscst@nic.in

DR. R. SRINIVASAN, M.Sc., Ph.D., F.I.C.S., M.A.C.S. (USA).
Member Secretary

Ref: TNSCST/YSFS/VR/12/2021-2022

6668

27.10.2022

To

Jeyakumar.P
Assistant Professor,
Dept. of ECE
M.Kumarasamy College of Engineering
Karur – 639 113
9994723025 / jeyakumarpsg@gmail.com

Sir / Madam,


Sub: TNSCST – Young Scientist Fellowship (YSFS) – Selection Intimated – Reg.

Ref: Chairman Approval dated 21.10.2022

With reference to your application cited above, I am happy to inform you that you have been selected for the award of Young Scientist Fellowship for the year 2021-2022 for a period of 2 months subject to the following conditions:

- A total sum of **Rs.25620/-** will be provided towards fellowship for **2 months (Rs.20000/-)**. and II A/C travel fare (to and fro) from parent organization to the host institute. If you travel in lower class, the grant is to be reduced correspondingly to the actual train fare.
- Fellowship will not be paid if you avail any leave other than the casual leave during the training period.
- Date of relief and date of joining at the parent institution should be intimated to the Council.
- After completion of the programme, two copies of the YSFS Report along with the Certificate from the host Institution and 2 copies of the utilization certificate in the prescribed format should be submitted.
- You must send your **acceptance letter** as per the above conditions **before 15.11.2022** with appropriately **rescheduled** training / collaborative research.
- The YSFS program should be completed before the end of **July, 2023**.

Yours faithfully,


27/10/22
Member Secretary.
B.F

Copy to:

The Principal
M.Kumarasamy College of Engineering
Karur – 639 113

SCIENCE & ENGINEERING RESEARCH BOARD(SERB)

(a statutory body of the Department of Science & Technology, government of India)

Science and Engineering Research Board
3rd & 4th Floor, Block II
Technology Bhavan, New Mehrauli Road
New Delhi - 110016

Dated: 05-Dec-2022

ORDER

Subject: Financial Sanction under National Post-Doctoral Fellowship to **Dr. Jayaseelan Dhakshinamoorthy**, under the mentorship of **Ajaya Kumar Nayak**, at **National Institute Of Science Education And Research , Tehsildar Office, Khurda, Pipli, Near, Jatni, Bhubaneswar, Odisha-752050**- Release of 1st grant.

Sanction of **Science and Engineering Research Board (SERB)** is hereby accorded to the above mentioned fellowship at a total cost of **Rs. 21,31,200/-** (Rs. Rupees Twenty One Lakh Thirty One Thousand Two Hundred only) for a duration of 24 months.

The date of start of the fellowship is effective from the date of joining in the host institute .

The items of expenditure for which the total allocation of **Rs. 21,31,200/-** has been approved are given below:

Sl. No.	Budget Head	Amount
1.	Fellowship	Rs. 15,31,200 (@55,000/- per month and 16 % HRA share (consolidated))
2.	Research Grant	Rs. 2,00,000/- per annum
3.	Overheads	Rs. 1,00,000/- per annum

2. Sanction of the **SERB** is also accorded to the payment of **Rs. 10,65,600/-** (Rupees Ten Lakh Sixty Five Thousand Six Hundred only) under 'Grants-in-aid General' to **National Institute Of Science Education And Research, Tehsildar Office, Khurda, Pipli, Near, Jatni** being the first installment of the grant for the year 2022-2023 for implementation of the said research project.

3. The expenditure involved is debitable to

Fund for Science & Engineering Research (FSER)

This release is being made under National Post Doctoral Fellowship (N-PDF). (Engineering Sciences)

4. The Sanction has been issued to with the approval of the competent authority vide Diary No. **SERB/F/7276/2022-2023** dated **26 November, 2022**

5. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website (www.serb.gov.in).

6. Overhead expenses are meant for the host Institute towards the cost for providing infrastructural facilities and general administrative support etc. including benefits to the staff employed in the project.

7. As per rule 211 of GFR, the accounts of project shall be open to inspection by sanctioning authority/audit whenever the institute is called upon to do so.

8. The release amount of **Rs. 10,65,600/-** (Rupees Ten Lakh Sixty Five Thousand Six Hundred only) will be drawn by the Under Secretary of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:

PFMS Unique Code	NISER
Account Name	NISER R&D
Account Number	147601000016205
Bank Name & Branch	INDIAN OVERSEAS BANK Chandrasekharapur Branch, Chandrasekharapur, IOP Campus, Sachivalaya Marg, PO-Sainik School, Bhubaneswar-751005.
IFSC/RTGS Code	IOBA0001476
Email id of A/C Holder	financeofficer@niser.ac.in
Email id of PI	seelan.ece@gmail.com
Email id of Mentor	ajaya@niser.ac.in

9. The institute will furnish Utilization certificate(UCs) financial year wise to the SERB and an audited statement of accounts pertaining to the grant immediately after the end of each financial year.

10. The institute will maintain separate audited accounts for the fellowship. A part or whole of the grant must be kept in an interest earning bank account which is to be reported to SERB. The interest thus earned will be treated as credit to the institute to be adjusted towards further installment of the grant.

11. The File no. **PDF/2022/002556** may also be mentioned in all research communications arising from the above project with due acknowledgement of **SERB**.

12. As this is the first grant for the fellowship, no previous U/C is required.

13. The institute may refund any unspent balance to SERB by means of a Demand Draft favoring "**FUND FOR SCIENCE AND ENGINEERING RESEARCH**" payable at New Delhi.

14. The organization/institute/university should ensure that the technical support/financial assistance provided to them by the Science & Engineering Research Board, a statutory body of the Department of Science & Technology (DST), Government of India should invariably be highlighted/ acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.

15. In addition, the investigator/host institute must also acknowledge the support provided to them in all publications, patents and any other output emanating out of the project/program funded by the Science & Engineering Research Board, a statutory body of Department of Science & Technology (DST), Government of India.

Sukumar Dey

(Dr. Sukumar Dey)
Scientist C

dey.sukumar@serb.gov.in

To,
Under Secretary
SERB, New Delhi

Copy forwarded for information and necessary action to: -

1.	The Principal Director of Audit, A.G.C.R. Building, IIIrd Floor I.P. Estate, Delhi-110002
2.	Sanction Folder, SERB, New Delhi.
3.	File Copy
4.	<p>Dr. Jayaseelan Dhakshinamoorthy School of Physical Sciences National Institute of Science Education and Research, Tehsildar office, khurda, pipli, near, jatni, Bhubaneswar, Odisha-752050 Email: seelan.ece@gmail.com Mobile: 919952825449</p> <p>Ajaya Kumar Nayak Reader-F School of Physical Sciences National Institute of Science Education and Research, Tehsildar office, khurda, pipli, near, jatni, Bhubaneswar, Odisha-752050 ajaya@niser.ac.in (Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit www.serb.gov.in.)</p>
5.	<p>OSD (Finance), National Institute Of Science Education And Research, Tehsildar Office, Khurda, Pipli, Near, Jatni</p> <p>(Receipt of Grant may be intimated by name to the undersigned)</p>

Sukumar Dey

(Dr. Sukumar Dey)
Scientist C

dey.sukumar@serb.gov.in

Reviewer Certificate

This certificate is awarded to

MEIVEL SADASIVAM

for serving as a reviewer for

The Journal of Engineering



Thank you for reviewing 1 manuscript in 2022

28 March 2023
Date

Naomi Climer and Lionel Tarassenko
Chief Advisor



IFET COLLEGE OF ENGINEERING

AN AUTONOMOUS INSTITUTION

Approved by AICTE, Permanently Affiliated to Anna University,

Recognized under section 2(f) & 12(B) of UGC Act- 1956. Recognized Research Centre of Anna University (ECE)

IFET Nagar, Gangarampalayam, Villupuram - 605 108. Website: www.ifet.ac.in



CERTIFICATE OF APPRECIATION

PRESENTED TO

Mrs. B. Neethi aadithiya

Assistant Professor, M.Kumarasamy College of engineering

As a token of appreciation for her notable service as a Technical Reviewer for reviewing the manuscripts submitted in the Second IEEE International Conference on "Smart Technologies and Systems for Next Generation Computing (ICSTSN 2023)" held at IFET College of Engineering on 21st and 22nd April 2023.

Matfale. J.

CONFERENCE CHAIR

G. J. J.

PRINCIPAL

OP

CHAIRMAN



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to
DR M LAKSHMANAN
for successfully completing the course

Design, Technology and Innovation

with a consolidated score of **61** %

Online Assignments	19.92/25	Proctored Exam	41/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **297**

Jul-Sep 2022
(8 week course)

Prof. Sridhar Iyer
Head CDEEP & NPTEL Coordinator
IIT Bombay



Indian Institute of Technology Bombay



Roll No: NPTEL22DE16S24160136

To validate the certificate



No. of credits recommended: 2 or 3



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

RAMESH M

for successfully completing the course

Accreditation and Outcome Based Learning

with a consolidated score of **61** %

Online Assignments	14.08/25	Proctored Exam	47.25/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **857**

Aug-Oct 2022

(8 week course)

Prof. Debjani Chakraborty

Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL22GE27S64230174

To validate the certificate



No. of credits recommended: 2 or 3



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

RAMESH M

for successfully completing the course

Introduction to Machine Learning

with a consolidated score of **60** %

Online Assignments	22.5/25	Proctored Exam	37/75
--------------------	---------	----------------	-------

Total number of candidates certified in this course: **2034**

Jul-Sep 2022

(8 week course)

Prof. Debjani Chakraborty

Coordinator, NPTEL

IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL22CS97S14160021

To validate the certificate



No. of credits recommended: 2 or 3



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

JAYAKUMAR V

for successfully completing the course

Development Research Methods

with a consolidated score of **60** %

Online Assignments	18.75/25	Proctored Exam	41.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **150**

Aug-Oct 2022

(8 week course)

Prof. T. V. Bharat

Head, Centre for Educational Technology
NPTEL Coordinator, IIT Guwahati



Indian Institute of Technology Guwahati



Roll No: NPTEL22HS127S64520488

To validate the certificate



No. of credits recommended: 2 or 3



3rd International Conference on Communication, Computing, and Industry 4.0 (C2I4) – 2022

Date: 15th & 16th December 2022

Organized by: CMR Institute of Technology, Bengaluru, India

IEEE Conference ID: #56876

Certificate of Appreciation

This certificate is presented to **Dr.M. Lakshmanan, Associate Professor, M.Kumarasamy College of Engineering, Karur** for his/her contribution as the session chair in 3rd International Conference on Communication, Computing, and Industry 4.0 (C2I4) Organised by CMR Institute of Technology, Bengaluru, India on 15th-16th, December 2022.

Dr. Viji K
Organizing Secretary

Dr. Chitra K
Conference Chair

Dr. Sanjay Jain,
Principal, CMRIT, Bengaluru



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Next GEN Skill Conclave

23rd Dec 2022, Radisson Blu Plaza Delhi Airport, New Delhi

Educator Excellence Award - 2022

Awarded to

Umapathi K

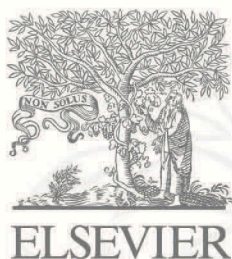
M. Kumarasamy College of Engineering

for his/ her excellent work as educator and valuable contribution to

blueprism
University

Dr. Satya Ranjan Biswal
Chief Technology Officer (CTO)
EduSkills





Energy Reports

Certificate of Reviewing

Awarded for 2 reviews between November 2022 and December 2022
presented to

SUVETHA SUNDDARARAJ

in recognition of the review contributed to the journal

The Editors of Energy Reports



Reviewer Certificate

This certificate is awarded to

S. SATHISH KUMAR

for serving as a reviewer for

IET Power Electronics



Thank you for reviewing 2 manuscripts in 2022

23 March 2023
Date

Volker Pickert
Editor-In-Chief

WILEY

Reviewer Certificate

This certificate is awarded to

S. SATHISH KUMAR

for serving as a reviewer for

**International Journal of Circuit Theory and
Applications**

International Journal of
Circuit Theory *and* Applications

Thank you for reviewing 1 manuscript in 2022

20 April 2023
Date

Ahmed El Wakil
Editor-In-Chief

Reviewer Certificate

This certificate is awarded to

S. SATHISH KUMAR

for serving as a reviewer for

The Journal of Engineering



Thank you for reviewing 1 manuscript in 2022

28 March 2023
Date

Naomi Climer and Lionel Tarassenko
Chief Advisor

WILEY

Reviewer Certificate

This certificate is awarded to

S. SATHISH KUMAR

for serving as a reviewer for

Optimal Control Applications and Methods

**Optimal Control
Applications and Methods**

Thank you for reviewing 2 manuscripts in 2022

14 March 2023
Date

Mike Grimble
Managing Editor



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to
DR M LAKSHMANAN
for successfully completing the course

Roadmap for Patent Creation

with a consolidated score of **70** %

Online Assignments	20.38/25	Proctored Exam	49.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **716**

Jan-Mar 2023
(8 week course)


Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23GE22S44890441

To validate the certificate



No. of credits recommended: 2 or 3



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to
SOMASUNDARAM PL
for successfully completing the course

Data Mining

with a consolidated score of **68** %

Online Assignments	16.25/25	Proctored Exam	51.75/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **4368**

Jan-Mar 2023
(8 week course)

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS43S34890104

To validate the certificate



No. of credits recommended: 2 or 3



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to
MANIRAJ P
for successfully completing the course

Enhancing Soft Skills and Personality

with a consolidated score of **71** %

Online Assignments	19/25	Proctored Exam	51.59/75
--------------------	-------	----------------	----------

Total number of candidates certified in this course: **12752**

Pathish

Prof. B. V. Ratish Kumar
Chairman, Centre for Continuing Education
IIT Kanpur

Feb-Apr 2023

(8 week course)

Satyaki Roy

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur



Indian Institute of Technology Kanpur



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Roll No: NPTEL23HS30S43920100

To validate the certificate



No. of credits recommended: 2 or 3



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to
R PUNITHAVATHI
for successfully completing the course

Educational Leadership

with a consolidated score of **63** %

Online Assignments	23.75/25	Proctored Exam	39/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **817**

Jul-Sep 2022
(8 week course)

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL22HS109S14160094

To validate the certificate



No. of credits recommended: 2 or 3



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to
VIJAY A
for successfully completing the course

Computer Networks and Internet Protocol

with a consolidated score of **69** %

Online Assignments	20.88/25	Proctored Exam	48.22/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **3082**

Jan-Apr 2023
(12 week course)


Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS48S34570513

To validate the certificate



No. of credits recommended: 3 or 4



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to
AROCKIA RANJITHKUMAR
for successfully completing the course

Introduction to Abstract and Linear Algebra

with a consolidated score of **69** %

Online Assignments	24.17/25	Proctored Exam	45/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **804**

Jul-Sep 2022

(8 week course)

Prof. Debjani Chakraborty

Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL22MA78S24160260

To validate the certificate



No. of credits recommended: 2 or 3



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to
AROCKIA RANJITHKUMAR
for successfully completing the course

Engineering Mathematics - I

with a consolidated score of **68** %

Online Assignments	23.85/25	Proctored Exam	44.63/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **154**

Jul-Oct 2022
(12 week course)


Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL22MA77S44520621

To validate the certificate



No. of credits recommended: 3 or 4



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to
VIJAY A
for successfully completing the course

Cloud Computing

with a consolidated score of **65** %

Online Assignments	24.91/25	Proctored Exam	39.8/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **9640**

Jul-Oct 2022
(12 week course)


Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL22CS87S54520370

To validate the certificate



No. of credits recommended: 3 or 4



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to
SOWMIYA M
for successfully completing the course

Cloud Computing

with a consolidated score of **61** %

Online Assignments	24.91/25	Proctored Exam	36.22/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **9640**

Jul-Oct 2022
(12 week course)


Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL22CS87S54520240

To validate the certificate



No. of credits recommended: 3 or 4



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to
KANIMOZHI S
for successfully completing the course

Big Data Computing

with a consolidated score of **65** %

Online Assignments	24.58/25	Proctored Exam	40.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **2264**

Pathish

Prof. B. V. Ratish Kumar
Chairman, Centre for Continuing Education
IIT Kanpur

Aug-Oct 2022

(8 week course)

Satyaki Roy

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur



Indian Institute of Technology Kanpur



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Roll No: NPTEL22CS65S44520264

To validate the certificate



No. of credits recommended: 2 or 3



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to
GEEITHA S
for successfully completing the course

Introduction to Internet of Things

with a consolidated score of **67** %

Online Assignments	23.91/25	Proctored Exam	43.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **9793**

Jul-Oct 2022
(12 week course)


Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL22CS96S44520137

To validate the certificate



No. of credits recommended: 3 or 4



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to
R MEKALA
for successfully completing the course

Introduction to Internet of Things

with a consolidated score of **63** %

Online Assignments	24.13/25	Proctored Exam	39/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **9793**

Jul-Oct 2022
(12 week course)


Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL22CS96S44520266

To validate the certificate



No. of credits recommended: 3 or 4



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to
SUJATHA R
for successfully completing the course

Foundation of Cloud IoT Edge ML

with a consolidated score of **70** %

Online Assignments	23.71/25	Proctored Exam	46.68/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **1649**

Prof. B. V. Ratish Kumar
Chairman, Centre for Continuing Education
IIT Kanpur

Feb-Apr 2023

(8 week course)

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur



Indian Institute of Technology Kanpur



स्वच्छ भारत, उन्नत भारत

Roll No: NPTEL23CS65S33920190

To validate the certificate



No. of credits recommended: 2 or 3



Elite

NPTEL Online Certification

(Funded by the MOE, Govt. of India)

This certificate is awarded to

SHAFIYA M

for successfully completing the course



Matrix Analysis with Applications

with a consolidated score of **88** %

Online Assignments	24.58/25	Proctored Exam	63.75/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: 220

Sanjeev Manhas

Prof. Sanjeev Manhas
Coordinator, Continuing Education Centre
IIT Roorkee

Priya Maheshwari

Prof. Priya Maheshwari
NPTEL Coordinator
IIT Roorkee



Indian Institute of Technology Roorkee

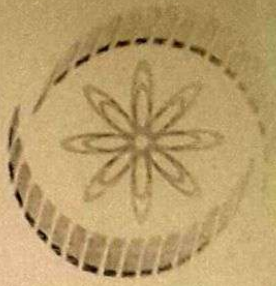


Roll No.: NPTEL22MA53S13610053

To validate the certificate



No. of credits recommended: 2 or 3



NPTEL Online Certification

(Funded by the MOE, Govt. of India)

This certificate is awarded to

DR K RAJESH KUMAR

for successfully completing the course

Managing Change in Organizations

with a consolidated score of **66** %

Online Assignments	25/25	Proctored Exam	41.25/75
--------------------	-------	----------------	----------

Total number of candidates certified in this course: **275**

Jan-Mar 2023

(8 week course)

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23MIG37545080921

To validate the certificate



No. of credits recommended: 2 or 3



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to
KAYATHRI S
for successfully completing the course



Cloud Computing

with a consolidated score of **75** %

Online Assignments	25/25	Proctored Exam	49.96/75
--------------------	-------	----------------	----------

Total number of candidates certified in this course: **9640**

Jul-Oct 2022
(12 week course)

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL22CS87S64520088

To validate the certificate



No. of credits recommended: 3 or 4



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

RAMYA S

for successfully completing the course

Introduction to Industry 4.0 and Industrial Internet of Things

with a consolidated score of **62** %

Online Assignments	24.78/25	Proctored Exam	36.74/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **7689**

Jan-Apr 2023

(12 week course)

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS52S33920351

To validate the certificate



No. of credits recommended: 3 or 4



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to
SARATHAM
for successfully completing the course



Computer Networks and Internet Protocol

with a consolidated score of **75** %

Online Assignments	23.28/25	Proctored Exam	51.28/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **3082**

Jan-Apr 2023
(12 week course)


Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS48S33920397

To validate the certificate



No. of credits recommended: 3 or 4