



# St Berchmans College

Founded 1922

**AUTONOMOUS**

College with Potential for Excellence | Reaccredited by NAAC with A Grade

## MOOC/SWAYAM REPORT



**MOOC/SWAYAM Courses**

Massive Open Online Courses (MOOCs) are courses made available over the internet. Most forms of MOOCs provide unlimited participation at free of cost. Well-designed MOOCs are highly engaging with the participants. SWAYAM is an India specific MOOC that has been evolving everyday in terms of content, richness and breadth of courses. SWAYAM (Study Webs of Active-Learning for Young Aspiring Minds) is a digital platform which gives open access to information, education and learning to anywhere, anytime to everyone. It is a portfolio of interactive online courses made available free over internet under the initiative of Ministry of Human Recourse Development, Government of India. It is designed to achieve increased access, better equity and higher quality of educational opportunities. The objective of this effort is to take the best teaching learning resources to all, including the most disadvantaged. SWAYAM seeks to bridge the digital divide for students who have hitherto remained untouched by the digital revolution and have not been able to join the mainstream of the knowledge economy. This is done through a platform that facilitates hosting of all the courses, taught in classrooms from Class 9 till post-graduation to be accessed by anyone, anywhere at any time. All the courses are interactive, prepared by the best teachers in the country and are available, free of cost to any learner. More than 1,000 specially chosen faculty and teachers from across the country have participated in preparing these courses.

The courses hosted on SWAYAM are in 4 quadrants – (1) video lecture, (2) specially prepared reading material that can be downloaded/printed (3) self-assessment tests through tests and quizzes and (4) an online discussion forum for clearing the doubts. Steps have been taken to enrich the learning experience by using audio-video and multi-media and state of the art pedagogy / technology.

In order to ensure that best quality content is produced and delivered, nine National Coordinators have been appointed. They are:

**AICTE** (All India Council for Technical Education) for self-paced and international courses

**NPTEL** (National Programme on Technology Enhanced Learning) for Engineering

**UGC** (University Grants Commission) for non technical post-graduation education

**CEC** (Consortium for Educational Communication) for under-graduate education

**NCERT** (National Council of Educational Research and Training) for school education

**NIOS** (National Institute of Open Schooling) for school education

**IGNOU** (Indira Gandhi National Open University) for out-of-school students

**IIMB** (Indian Institute of Management, Bangalore) for management studies

**NITTTR** (National Institute of Technical Teachers Training and Research) for Teacher Training programme

Courses delivered through SWAYAM are available free of cost to the learners, however learners needs a SWAYAM certificate should register for the final proctored exams that come at a fee and attend in-person at designated

centres on specified dates. Eligibility for the certificate will be announced on the course page and learners will get certificates only if this criteria is matched. Universities/colleges approving credit transfer for these courses can use the marks/certificate obtained in these courses for the same.

NPTEL (National Programme on Technology Enhanced Learning) provides E-learning through online Web and Video courses in Engineering, Science and Humanities streams and organize the respective exams.

St Berchmans College became as SWAYAM NPTEL-Local Chapter on **3<sup>rd</sup> December 2019** and Dr. Sajini T was nominated as the Single Point of Contact (SPOC).

#### MOOC/SWAYAM Courses 2019-2020

Semester	Number of students enrolled	Number of students registered for exam	Number of students got certificates	Total number of courses enrolled
July-December	Nil	Nil	Nil	Nil
January-June	68	Nil	Nil	116
<b>Total</b>	<b>68</b>	<b>Nil</b>	<b>Nil</b>	<b>116</b>

#### MOOC/SWAYAM Courses 2020-2021

Semester	Number of students enrolled	Number of students registered for exam	Number of students got certificates	Total number of courses enrolled
July-December	92	13	7	143
January-June	65	13	13	110
<b>Total</b>	<b>157</b>	<b>26</b>	<b>20</b>	<b>253</b>

## MOOC/SWAYAM Courses 2021-2022

Semester	Number of students enrolled	Number of students registered for exam	Number of students got certificates	Total number of courses enrolled
July-December	72	13	8	119
January-June	442	141	93	743
Total	514	154	101	862

- During 2021-22, Dr Sajini T became an ‘Active SPOC’
- Also received one mentor certificate- Mr. Jebin Joseph, Assistant Professor, Department of Botany, SB College

### CERTIFICATES OF THE COURSES



# NPTEL CERTIFICATE

## OF APPRECIATION



is awarded to

SAJINI T.

of

ST. BERCHMANS COLLEGE

CHANGANASSERY, KERALA

for his/her instrumental role as SPOC for the **SWAYAM-NPTEL** Local Chapter.  
Thank you for being NPTEL's brand ambassador at your esteemed institution.



Active SPOC based on Performance & Participation of  
Candidates for the JAN-APR 2022 semester



**PROF. ANDREW THANGARAJ**  
 NPTEL Coordinator  
 IIT Madras

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://nptel.ac.in/noc/>

Roll No: NPTEL20BT36S71830027

To  
ATHIRA P A  
PUTHUPARAMBIL  
KUZHIMATTOM P O  
PANACHIKKAD  
KERALA - 686533  
PH. NO :9946439826

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:1

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



Elite

# NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

**ATHIRA P A**

for successfully completing the course

## Plant Developmental Biology

with a consolidated score of **63** %

Online Assignments	20.83/25	Proctored Exam	42/75
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Total number of candidates certified in this course: **228**

**Prof. V. C. Srivastava**  
Coordinator, Continuing Education Centre  
IIT Roorkee

Sep-Oct 2020  
(4 week course)

**Prof. Inderdeep Singh**  
NPTEL Coordinator  
IIT Roorkee



Indian Institute of Technology Roorkee



Roll No: NPTEL20BT36S71830027

To validate and check scores: <https://nptel.ac.in/noc/>

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Roll No: NPTEL20PH21S31830230

To  
ASHIS JOSE ABRAHAM  
NJARACKAL HOUSE  
MADUKKAKUNNU PO  
POOVARANI, KOTTAYAM  
KERALA - 686577  
PH. NO :9207371059



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:2

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



Elite

# NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

**ASHIS JOSE ABRAHAM**

for successfully completing the course

**Solar Photovoltaics Fundamentals, Technology  
and Applications**

with a consolidated score of **74** %

Online Assignments	24.17/25	Proctored Exam	49.5/75
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Total number of candidates certified in this course: **161**

**Prof. V. C. Srivastava**  
Coordinator, Continuing Education Centre  
IIT Roorkee

Sep-Nov 2020  
(8 week course)

**Prof. Inderdeep Singh**  
NPTEL Coordinator  
IIT Roorkee



Indian Institute of Technology Roorkee



Roll No: NPTEL20PH21S31830230

To validate and check scores: <https://nptel.ac.in/noc/>

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://nptel.ac.in/noc/>

Roll No: NPTEL20CY23S71830001

To  
GINTU THOMAS  
KATTACKAL HOUSE, KANJAR P.O KANJAR  
KATTACKAL HOUSE, KANJAR P.O KANJAR  
THODUPUZHA  
KERALA - 685590  
PH. NO :9496509175

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:2

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



Elite

# NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

**GINTU THOMAS**

for successfully completing the course

## Application of Spectroscopic Methods in Molecular Structure Determination

with a consolidated score of **65** %

Online Assignments	21.25/25	Proctored Exam	43.5/75
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*Devendra Jalihal*

**Prof. Devendra Jalihal**  
Chairman  
Centre for Continuing Education, IITM

Total number of candidates certified in this course: **50**

Sep-Nov 2020  
(8 week course)

*Prof. Andrew Thangaraj*

**Prof. Andrew Thangaraj**  
NPTEL Coordinator  
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL20CY23S71830001

To validate and check scores: <https://nptel.ac.in/noc>

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://nptel.ac.in/noc/>

Roll No: NPTEL21CY10S11840091

To  
HARISANKAR S  
KOCHUPURACKAL  
CHANNANIKKAD (P. O)  
KOTTAYAM  
KERALA - 686533  
PH. NO :7510828170



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:1

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 Ministry of HRD, Govt. of India)



This certificate is awarded to

**HARISANKAR S**

for successfully completing the course

## Basics in Inorganic Chemistry

with a consolidated score of **52** %

Online Assignments	20.83/25	Proctored Exam	31.5/75
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Total number of candidates certified in this course: **390**

Jan-Feb 2021  
(4 week course)

**Prof. Sridhar Iyer**  
Head CDEEP & NPTEL Coordinator  
IIT Bombay



Indian Institute of Technology Bombay



Roll No:NPTEL21CY10S11840091

To validate and check scores: <https://nptel.ac.in/noc>

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://nptel.ac.in/noc/>

Roll No: NPTEL20CY18S71830208

To  
JYOTHI JAMES  
THALANANICKAL HOUSE  
PERINCHANKUTTY P O  
SENAPATHY  
KERALA - 685604  
PH. NO :9496139825



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.



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# NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

**JYOTHI JAMES**

for successfully completing the course



## Analytical Chemistry

with a consolidated score of **81** %

Online Assignments	22.78/25	Proctored Exam	57.75/75
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Total number of candidates certified in this course: 259

Prof. G P Raja Sekhar  
Dean, Continuing Education  
IIT Kharagpur

Sep-Dec 2020  
(12 week course)

Prof. Debjani Chakraborty  
Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL20CY18S71830208

To validate and check scores: <https://nptel.ac.in/noc/>

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://nptel.ac.in/noc/>

Roll No: NPTEL20BT36S71830287

To  
MERIN BRIJITH BENNY  
VILATHRA MELBIN COTTAGE(H) KAVALAM NORTH  
P.O KAVALAM. ALAPPUZHA.  
VILATHRA MELBIN COTTAGE(H) KAVALAM NORTH  
P.O KAVALAM. ALAPPUZHA  
ALAPPUZHA  
KERALA - 688506  
PH. NO :9207380889



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:1

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 Ministry of HRD, Govt. of India)



This certificate is awarded to  
**MERIN BRIJITH BENNY**  
for successfully completing the course



## Plant Developmental Biology

with a consolidated score of **92** %

Online Assignments	23.33/25	Proctored Exam	69/75
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Total number of candidates certified in this course: **228**

**Prof. V. C. Srivastava**  
Coordinator, Continuing Education Centre  
IIT Roorkee

Sep-Oct 2020  
(4 week course)

**Prof. Inderdeep Singh**  
NPTEL Coordinator  
IIT Roorkee



Indian Institute of Technology Roorkee



Roll No: NPTEL20BT36S71830287

To validate and check scores: <https://nptel.ac.in/noc/>

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://nptel.ac.in/noc/>

Roll No: NPTEL20CY18S71830321

To  
AMALA MARY SEBASTIAN  
KUNNATHU KUZHIYIL  
VADACKAL.P.O.  
ALAPPUZHA  
KERALA - 688003  
PH. NO :7902987620



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

# NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to  
**AMALA MARY SEBASTIAN**

for successfully completing the course



## Analytical Chemistry

with a consolidated score of **78** %

Online Assignments	22.16/25	Proctored Exam	55.5/75
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Total number of candidates certified in this course: **259**

Prof. G P Raja Sekhar  
Dean, Continuing Education  
IIT Kharagpur

Sep-Dec 2020  
(12 week course)

Prof. Debjani Chakraborty  
Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL20CY18S71830321

To validate and check scores: <https://nptel.ac.in/noc>