



# SS INSTITUTE OF PHARMACY

(A unit of VS Educational & Charitable Trust)

Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.

Affiliated to the Tamilnadu Dr. M.G.R. Medical University,  
and The Directorate of Medical Education, Chennai.

REF.NO:SSIP/ REQ/2023/005

Date: 26/09/2023

## From

Department of Pharmacy,  
SS institute of pharmacy,  
Sankari, Salem (DIST) - 637301.

## To

The principal,  
SS institute of pharmacy,  
Sankari, Salem (DIST) – 637301.


**Subject:** Letter for requesting permission to conduct **ADD ON COURSE** -Reg.

## Respected sir,


We are requesting you to grant permission to conduct add-on course in the seminar hall on **03/10/2023 to 19/10/2023**. We wish to conduct add on course on the title “**Blockchain Technology In Pharmaceuticals**”. This add-on course program would be a great opportunity for students to learn and that would help to shape the students.

Thanking you,

Yours truly,

  
PRINCIPAL,  
SS INSTITUTE OF PHARMACY,  
KUPPANUR (PO), SANKARI (TK),  
SALEM - 637301



  
PRINCIPAL,  
SS INSTITUTE OF PHARMACY,  
KUPPANUR (PO), SANKARI (TK),  
SALEM - 637301

NH-544, Kuppanur (Po), Sankari (Tk), Salem(Dt) – 637301, Tamilnadu, India

Phone : 04283 241080 | E-mail : [ssip1718@gmail.com](mailto:ssip1718@gmail.com) | Website : [www.ssip.edu.in](http://www.ssip.edu.in)



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21

DATE: 26/09/2023

## CIRCULAR

This is to inform that will B.PHARM students have the schedule of following value - added course to be conducted by our SS Institute of Pharmacy and it as mentioned below.

COURSE NAME	SCHEDULE	DURATION	VENUE	RESOURCE PERSON
BLOCK CHAIN TECHNOLOGY IN PHARMACEUTICALS	03/10/2023 to 19/10/2023	36 HOURS	SEMINAR HALL	M.PRAVEEN KUMAR

All the above-mentioned students must enroll and actively participate in the course without fail.

**Note:** Certificates will be issued for the eligible students after completion of the course and examination.



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SALEM - 637301

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**COURSE TITLE**  
**BLOCKCHAININ TECNOLOGY IN  
PHARMACEUTICALS**

**RESOURCE PERSON**  
**M.PRAVEENKUMAR**  
**ASSYT. PROFESSOR**  
**SS INSTITUTE OF PHARMACY**

**Topics-**

- 1.Blockchain and Drug Supply Chain  
Management
- 2.Blockchain in Clinical Trials
- 3.Smart Contracts in  
Pharmaceuticals

**BLOCKCHAIN**



**SS INSTITUTE  
OF PHARMACY,  
SANKARI**

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E-mail: ssip1718@gmail.com  
Website: www.ssip.edu.in  
Address: SS Institute of  
Pharmacy, Sankari , Salem

DEPARTMRT OF PHARMACEUTICIES

Venue: SSIPSEMINAR HALL  
Date: 03/10/2023-19/102023

PRINCIPAL.  
SS INSTITUTE OF PHARMACY,  
SANKARI (TK).  
KUPPAHALLI, SALEM-57301







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## SYLLABUS

### BLOCKCHAIN TECHNOLOGY IN PHARMACEUTICALS

Sl. No.	Topic	DATE
1	<b>Introduction to Blockchain in Pharmaceuticals</b> <ul style="list-style-type: none"><li>- Overview of Blockchain Technology</li><li>- Key Benefits and Applications in the Pharmaceutical Industry</li></ul>	3/10/2023- 4/10/2023
2	<b>Drug Supply Chain and Authenticity</b> <ul style="list-style-type: none"><li>- Enhancing Transparency and Traceability in Drug Supply Chains</li><li>- Preventing Counterfeit Drugs and Verifying Drug Authenticity</li></ul>	5/10/2023- 7/10/2023
3	<b>Clinical Trials and Data Management</b> <ul style="list-style-type: none"><li>- Secure Storage and Management of Clinical Trial Data</li><li>- Improving Transparency, Trust, and Decentralization in Clinical Trials</li></ul>	9/10/2023- 13/10/2023
4	<b>Patient Data Privacy and Smart Contracts</b> <ul style="list-style-type: none"><li>- Ensuring Patient Data Privacy and Security</li><li>- Automating Processes and Compliance through Smart Contracts</li></ul>	16/10/2023- 17/10/2023
5	<b>Pharmacovigilance and Regulatory Compliance</b> <ul style="list-style-type: none"><li>- Real-Time Monitoring and Reporting of Drug Safety</li><li>- Ensuring Regulatory Compliance and Efficient Audits with Blockchain</li></ul>	18/10/2023- 19/10/2023

RESOURCE PERSON: M. Praveen Kumar

TOTAL HOURS: 36 Hrs



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## **ADD ON / CERTIFICATE VALUE ADDED COURSES ACADEMIC YEAR 2023-2024**





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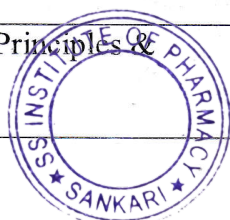
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## ACADAMIC YEAR 2023-2024

S.NO	NAME OF ADD ON CERTIFICATES PROGRAMS	COURSE CODE	NO OF STUDENTS ENROLLED	TYPE OF ADD ON CERTIFICATE PROGRAMS
1.	Advanced therapy topics in immunotherapy	23ATTI01	55	Self-framed course
2.	Green cell factories	23GCF02	58	Self-framed course
3.	Advanced techniques in enzymology .	23ATE03	70	Self-framed course
4.	Biomechanics and orthopaedic implants	23BOI04	58	Self-framed course
5.	Blockchain technology in pharmaceuticals	23BTP05	30	Self-framed course
6.	Cell designer modeling tool for gene-regulatory & biomedical networks	23CDMTGRBN06	27	Self-framed course
7.	Computational protein modeling and analytics	23CPMA07	59	Self-framed course
8.	Scientific writing in health research	24SWHR08	54	Self-framed course
9.	Systematic reviews for pharmacy health professionals	24SRPHP09	57	Self-framed course
10.	Advanced bioinformatics: Tools & applications	24ABTA10	111	Self-framed course
11.	Telemedicine: Principles & practices	24TPP11	58	Self-framed course



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## ADD ON COURSE – ENROLLMENT LIST

**NAME OF ADD ON COURSE :** BLOCKCHAIN TECHNOLOGY IN PHARACEUTICS

**COURSE INSTRUCTORS :** M.PRAVEEN KUMAR

**YEAR OFFERED :** 2<sup>nd</sup> SEM B.PHARM

**COURSE DURATION :** 36 hrs

S.NO	NAME OF THE STUDENT	REGISTER NO	COURSE
1.	AARTHI.H	560022523501	1 <sup>st</sup> B.PHARM
2.	AJAY.S	560022523502	1 <sup>st</sup> B.PHARM
3.	AJAY.V	560022523503	1 <sup>st</sup> B.PHARM
4.	AMULTHARA.L	560022523504	1 <sup>st</sup> B.PHARM
5.	ANUSHREE.V	560022523505	1 <sup>st</sup> B.PHARM
6.	BAGAVATHRAJ.G	560022523506	1 <sup>st</sup> B.PHARM
7.	BHARANI KUMAR.P	560022523507	1 <sup>st</sup> B.PHARM
8.	BHUVANESHWARAN.A	560022523508	1 <sup>st</sup> B.PHARM
9.	DEEPAK KUMAR.M	560022523509	1 <sup>st</sup> B.PHARM
10.	GAJALAKSHMI.K	560022523510	1 <sup>st</sup> B.PHARM
11.	GNANAMOORTHY.G	560022523511	1 <sup>st</sup> B.PHARM
12.	GOKULANAVANI SRI.M.N	560022523512	1 <sup>st</sup> B.PHARM
13.	JAYASEELAN.S	560022523514	1 <sup>st</sup> B.PHARM
14.	JOTHIKA.G	560022523515	1 <sup>st</sup> B.PHARM
15.	KAJENDIRAN.K.M	560022523516	1 <sup>st</sup> B.PHARM
16.	KANIMOZHI.S	560022523517	1 <sup>st</sup> B.PHARM
17.	KARMUKILAN.S	560022523518	1 <sup>st</sup> B.PHARM
18.	KARTHICKRAJA.P	560022523519	1 <sup>st</sup> B.PHARM
19.	KATHIRVEL.G	560022523520	1 <sup>st</sup> B.PHARM
20.	KRISHNAN.V	560022523521	1 <sup>st</sup> B.PHARM
21.	LAKSHMI.S	560022523522	1 <sup>st</sup> B.PHARM
22.	MADHAN.K	560022523523	1 <sup>st</sup> B.PHARM
23.	MANISHA.A	560022523524	1 <sup>st</sup> B.PHARM
24.	MYTHEENRAJ.R	560022523525	1 <sup>st</sup> B.PHARM
25.	NAVEEN KUMAR.M	560022523526	1 <sup>st</sup> B.PHARM
26.	NISHA.R	560022523527	1 <sup>st</sup> B.PHARM
27.	PERARASU.R	560022523528	1 <sup>st</sup> B.PHARM
28.	POOJA.V	560022523529	1 <sup>st</sup> B.PHARM
29.	POONGUZHALI.G	560022523530	1 <sup>st</sup> B.PHARM
30.	PRAKADEESH.S	560022523531	1 <sup>st</sup> B.PHARM

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(31)

## ADD ON COURSE – ATTENDANCE LIST

NAME OF ADD ON COURSE : BLOCKCHAIN TECHNOLOGY IN PHARACEUTICS

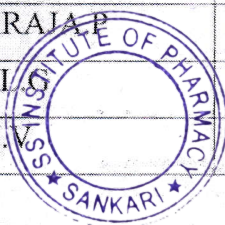
COURSE INSTRUCTORS : M.PRAVEEN KUMAR

YEAR OFFERED : 2<sup>nd</sup> SEM B.PHARM

COURSE DURATION : 36 hrs

31

S.NO	NAME OF THE STUDENT	REGISTER NO	ATTENDANCE					
			3/10/23	2/10/23	5/10/23	6/10/23	7/10/23	9/10/23
1.	AARTHI.H	560022523501	Pr	Pr	Pr	Pr	Pr	Pr
2.	AJAY.S	560022523502	Ajay	Ajay	Ajay	Ajay	Ajay	Ajay
3.	AJAY.V	560022523503	Ajay	Ajay	Ajay	Ajay	Ajay	Ajay
4.	AMULTHARA.L	560022523504	Am	Am	Am	Am	Am	Am
5.	ANUSHREE.V	560022523505	An	An	An	An	An	An
6.	BAGAVATHRAJ.G	560022523506	Ba	Ba	Ba	Ba	Ba	Ba
7.	BHARANI KUMAR.P	560022523507	Bh	Bh	Bh	Bh	Bh	Bh
8.	BHUVANESHWARAN.A	560022523508	Bh	Bh	Bh	Bh	Bh	Bh
9.	DEEPAK KUMAR.M	560022523509	De	De	De	De	De	De
10.	GAJALAKSHMI.K	560022523510	Ga	Ga	Ga	Ga	Ga	Ga
11.	GNANAMOORTHY.G	560022523511	Gn	Gn	Gn	Gn	Gn	Gn
12.	GOKULANAVANI SRI.M.N	560022523512	Go	Go	Go	Go	Go	Go
13.	JAYASEELAN.S	560022523514	Jay	Jay	Jay	Jay	Jay	Jay
14.	JOTHIKA.G	560022523515	Jo	Jo	Jo	Jo	Jo	Jo
15.	KAJENDIRAN.K.M	560022523516	Ka	Ka	Ka	Ka	Ka	Ka
16.	KANIMOZHI.S	560022523517	Ka	Ka	Ka	Ka	Ka	Ka
17.	KARMUKILAN.S	560022523518	Ka	Ka	Ka	Ka	Ka	Ka
18.	KARTHICKRAJ.A.P	560022523519	Ka	Ka	Ka	Ka	Ka	Ka
19.	KATHIRVEL	560022523520	Ka	Ka	Ka	Ka	Ka	Ka
20.	KRISHNAN.V	560022523521	Kr	Kr	Kr	Kr	Kr	Kr



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SALEM - 637301

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21.	LAKSHMIS	560022523522						
22.	MADHAN.K	560022523523						
23.	MANISHA.A	560022523524						
24.	MYTHEENRAJ.R	560022523525						
25.	NAVEEN KUMAR.M	560022523526						
26.	NISHA.R	560022523527						
27.	PERARASU.R	560022523528						
28.	POOJA.V	560022523529						
29.	POONGUZHALL.G	560022523530						
30.	PRAKADEESH.S	560022523531						



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S.NO	NAME OF THE STUDENT	REGISTER NO	ATTENDANCE					
			11/10/23	13/10/23	16/10/23	17/10/23	18/10/23	19/10/23
1.	AARTHI.H	560022523501	Aarthi	Aarthi	Aarthi	Aarthi	Aarthi	Aarthi
2.	AJAY.S	560022523502	AJ	AJ	AJ	AJ	AJ	AJ
3.	AJAY.V	560022523503	Aj	Aj	Aj	Aj	Aj	Aj
4.	AMULTHARA.L	560022523504	LA	LA	LA	LA	LA	LA
5.	ANUSHREE.V	560022523505	VA	VA	VA	VA	VA	VA
6.	BAGAVATHRAJ.G	560022523506	BAG	BAG	BAG	BAG	BAG	BAG
7.	BHARANI KUMAR.P	560022523507	BP	BP	BP	BP	BP	BP
8.	BHUVANESHWARAN.A	560022523508	ABH	ABH	ABH	ABH	ABH	ABH
9.	DEEPAK KUMAR.M	560022523509	DM	DM	DM	DM	DM	DM
10.	GAJALAKSHMI.K	560022523510	GK	GK	GK	GK	GK	GK
11.	GNANAMOORTHY.G	560022523511	GN	GN	GN	GN	GN	GN
12.	GOKULANAVANI SRI.M.N	560022523512	GN	GN	GN	GN	GN	GN
13.	JAYASEELAN.S	560022523514	JS	JS	JS	JS	JS	JS
14.	JOTHIKA.G	560022523515	JG	JG	JG	JG	JG	JG
15.	KAJENDIRAN.K.M	560022523516	KM	KM	KM	KM	KM	KM
16.	KANIMOZHILS	560022523517	Kan	Kan	Kan	Kan	Kan	Kan
17.	KARMUKILAN.S	560022523518	KMS	KMS	KMS	KMS	KMS	KMS
18.	KARTHICKRAJA.P	560022523519	KR	KR	KR	KR	KR	KR
19.	KATHIRVEL.G	560022523520	KVG	KVG	KVG	KVG	KVG	KVG
20.	KRISHNAN.V	560022523521	KV	KV	KV	KV	KV	KV
21.	LAKSHMI.S	560022523522	LS	LS	LS	LS	LS	LS
22.	MADHAN.K	560022523523	MD	MD	MD	MD	MD	MD
23.	MANISHA.A	560022523524	MA	MA	MA	MA	MA	MA
24.	MYTHEENRAJ.R	560022523525	MR	MR	MR	MR	MR	MR
25.	NAVEEN KUMAR.M	560022523526	NM	NM	NM	NM	NM	NM

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26.	NISHA.R	560022523527	Nish	Nish	Nish	Nish	Nish	Nish
27.	PERARASU.R	560022523528	Per	Per	Per	Per	Per	Per
28.	POOJA.V	560022523529	Poo	Poo	Poo	Poo	Poo	Poo
29.	POONGUZHALI.G	560022523530	Pong	Pong	Pong	Pong	Pong	Pong
30.	PRAKADEESH.S	560022523531	Pra	Pra	Pra	Pra	Pra	Pra



*Amr*  
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ADD ON COURSE	BLOCKCHAIN TECHNOLOGY IN PHARMACEUTICALS
DEPARTMENT	PHARMACY
ACADEMIC YEAR	2022-2023
DATE	03/10/2023 to 19/10/2023
VENUE	SEMINAR HALL
NAME: MANISHA - A	COURSE: II - SEM

ANSWER ALL THE QUESTIONS:  
MULTIPLE CHOICE QUESTIONS

DATE: 19/10/2023  
MARKS: 15

What is the primary benefit of blockchain technology in the pharmaceutical supply chain?

- a) Reducing production costs
- ☒ b) Enhancing transparency and traceability of drug products
- c) Increasing the speed of drug discovery
- d) Improving the aesthetics of pharmaceutical packaging

2. How does blockchain help in combating counterfeit drugs in the pharmaceutical industry?

- a) By encrypting drug formulations
- ☒ b) By providing an immutable ledger of the drug's journey from manufacturer to consumer
- c) By increasing the shelf life of drugs
- d) By reducing the production cost of drugs

3. Which of the following is a key feature of blockchain that makes it suitable for pharmaceutical applications?

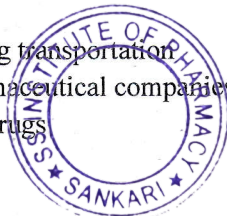
- a) Centralization
- ☒ b) Decentralization and immutability
- c) High transaction fees
- d) Single point of failure

4. On the context of clinical trials, how can blockchain improve data integrity?

- a) By reducing the number of participants
- b) By securely recording and timestamping trial data, making it tamper-proof
- ☒ c) By simplifying the trial design
- d) By eliminating the need for regulatory approvals

5. Which aspect of drug distribution can be most effectively monitored using blockchain technology?

- a) The color of drug packaging
- b) The temperature conditions during transportation
- ☒ c) The marketing strategies of pharmaceutical companies
- d) The pricing of over-the-counter drugs



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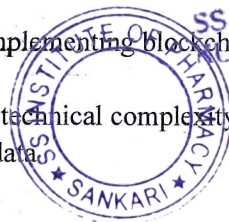


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6. How can blockchain facilitate regulatory compliance in the pharmaceutical industry?
  - a) By automatically generating compliance reports based on recorded transactions
  - b) By reducing the number of regulations
  - c) By increasing the number of intermediaries
  - d) By centralizing all pharmaceutical operations
7. Which of the following best describes the use of smart contracts in the pharmaceutical industry?
  - a) Automated contracts that execute terms of agreements without the need for intermediaries
  - b) Legal documents that require manual approval
  - c) Traditional contracts stored in a centralized database
  - d) Paper-based contracts signed by multiple parties
8. What role does blockchain play in ensuring the security of patient data in pharmaceutical research?
  - a) It allows public access to all patient data
  - b) It provides a secure, decentralized platform for storing and sharing encrypted patient data
  - c) It eliminates the need for patient consent
  - d) It centralizes patient data for easier access
9. Which blockchain feature is particularly beneficial for conducting audits in the pharmaceutical industry?
  - a) Anonymity
  - b) Immutability and audit trail
  - c) High energy consumption
  - d) Complex coding requirements
10. How can blockchain technology help in improving pharmacovigilance?
  - a) By automating adverse event reporting and ensuring data transparency
  - b) By reducing the number of adverse events
  - c) By centralizing all pharmacovigilance data
  - d) By eliminating the need for adverse event monitoring
11. What is a potential challenge of implementing blockchain in the pharmaceutical industry?
  - a) Lack of data security
  - b) High implementation costs and technical complexity
  - c) Easy modification of recorded data
  - d) Lack of regulatory interest



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12. In what way can blockchain technology support personalized medicine?
- a) By storing and managing vast amounts of genetic and patient-specific data securely
  - b) By increasing the production of generic drugs
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14. What is the potential impact of blockchain on pharmaceutical supply chain management?
- a) Increased complexity in supply chain processes
  - b) Enhanced transparency, reducing the risk of fraud and errors
  - c) Decreased visibility of supply chain activities
  - d) Centralization of all supply chain data
15. Which of the following best describes the concept of a "blockchain consortium" in the pharmaceutical industry?
- a) A single pharmaceutical company using blockchain
  - b) A group of stakeholders in the pharmaceutical industry collaboratively using a shared blockchain network
  - c) A government-mandated blockchain platform
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ADD ON COURSE	BLOCKCHAIN TECHNOLOGY IN PHARMACEUTICALS
DEPARTMENT	PHARMACY
ACADEMIC YEAR	2022-2023
DATE	03/10/2023 to 19/10/2023

## ANSWER KEY:

DATE: 19/10/2023

### MULTIPLE CHOICE QUESTIONS

MARKS: 15

What is the primary benefit of blockchain technology in the pharmaceutical supply chain?

- a) Reducing production costs
- b) Enhancing transparency and traceability of drug products**
- c) Increasing the speed of drug discovery
- d) Improving the aesthetics of pharmaceutical packaging

2. How does blockchain help in combating counterfeit drugs in the pharmaceutical industry?

- a) By encrypting drug formulations
- b) By providing an immutable ledger of the drug's journey from manufacturer to consumer**
- c) By increasing the shelf life of drugs
- d) By reducing the production cost of drugs

3. Which of the following is a key feature of blockchain that makes it suitable for pharmaceutical applications?

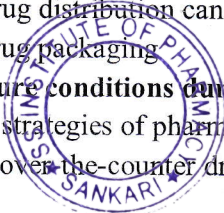
- a) Centralization
- b) Decentralization and immutability**
- c) High transaction fees
- d) Single point of failure

4. On the context of clinical trials, how can blockchain improve data integrity?

- a) By reducing the number of participants
- b) By securely recording and timestamping trial data, making it tamper-proof**
- c) By simplifying the trial design
- d) By eliminating the need for regulatory approvals

5. Which aspect of drug distribution can be most effectively monitored using blockchain technology?

- a) The color of drug packaging
- b) The temperature conditions during transportation**
- c) The marketing strategies of pharmaceutical companies
- d) The pricing of over-the-counter drugs



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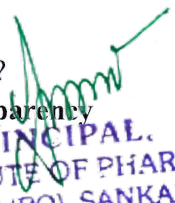
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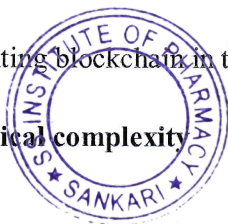
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6. How can blockchain facilitate regulatory compliance in the pharmaceutical industry?
  - a) **By automatically generating compliance reports based on recorded transactions**
  - b) By reducing the number of regulations
  - c) By increasing the number of intermediaries
  - d) By centralizing all pharmaceutical operations
7. Which of the following best describes the use of smart contracts in the pharmaceutical industry?
  - a) **Automated contracts that execute terms of agreements without the need for intermediaries**
  - b) Legal documents that require manual approval
  - c) Traditional contracts stored in a centralized database
  - d) Paper-based contracts signed by multiple parties
8. What role does blockchain play in ensuring the security of patient data in pharmaceutical research?
  - a) It allows public access to all patient data
  - b) **It provides a secure, decentralized platform for storing and sharing encrypted patient data**
  - c) It eliminates the need for patient consent
  - d) It centralizes patient data for easier access
9. Which blockchain feature is particularly beneficial for conducting audits in the pharmaceutical industry?
  - a) Anonymity
  - b) **Immutability and audit trail**
  - c) High energy consumption
  - d) Complex coding requirements
10. How can blockchain technology help in improving pharmacovigilance?
  - a) **By automating adverse event reporting and ensuring data transparency**
  - b) By reducing the number of adverse events
  - c) By centralizing all pharmacovigilance data
  - d) By eliminating the need for adverse event monitoring
11. What is a potential challenge of implementing blockchain in the pharmaceutical industry?
  - a) Lack of data security
  - b) **High implementation costs and technical complexity**
  - c) Easy modification of recorded data
  - d) Lack of regulatory interest

  
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## ADD ON COURSE – MARK LIST

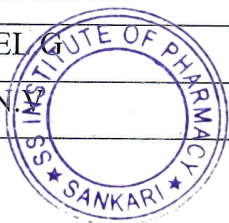
**NAME OF ADD ON COURSE** : BLOCKCHAIN TECHNOLOGY IN PHARMACEUTICS

**COURSE INSTRUCTORS** : M.PRAVEEN KUMAR

**YEAR OFFERED** : 2<sup>nd</sup> SEM B.PHARM

**COURSE DURATION** : 36 hrs

S.NO	NAME OF STUDENT	REGISTER NO	MARKS (15)	PERCENTAGE (%)
1.	AARTHI.H	560022523501	12	80%
2.	AJAY.S	560022523502	12	80%
3.	AJAY.V	560022523503	14	93%
4.	AMULTHARA.L	560022523504	13	86%
5.	ANUSHREE.V	560022523505	13	86%
6.	BAGAVATHRAJ.G	560022523506	15	100%
7.	BHARANI KUMAR.P	560022523507	14	93%
8.	BHUVANESHWARAN.A	560022523508	15	100%
9.	DEEPAK KUMAR.M	560022523509	13	86%
10.	GAJALAKSHMI.K	560022523510	13	86%
11.	GNANAMOORTHY.G	560022523511	13	86%
12.	GOKULANAVANI SRI.M.N	560022523512	13	86%
13.	JAYASEELAN.S	560022523514	15	100%
14.	JOTHIKA.G	560022523515	15	100%
15.	KAJENDIRAN.K.M	560022523516	14	93%
16.	KANIMOZHIL.S	560022523517	15	100%
17.	KARMUKILAN.S	560022523518	13	86%
18.	KARTHICKRAJA.P	560022523519	13	86%
19.	KATHIRVEL	560022523520	12	80%
20.	KRISHNAN	560022523521	13	86%



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21.	LAKSHMI.S	560022523522	14	93%
22.	MADHAN.K	560022523523	12	80%
23.	MANISHA.A	560022523524	13	86%
24.	MYTHEENRAJ.R	560022523525	14	93%
25.	NAVEEN KUMAR.M	560022523526	12	80%
26.	NISHA.R	560022523527	14	93%
27.	PERARASU.R	560022523528	15	100%
28.	POOJA.V	560022523529	13	86%
29.	POONGUZHALI.G	560022523530	13	86%
30.	PRAKADEESH.S	560022523531	13	86%

TOTAL NUMBER OF STUDENT : 30

TOTAL NUMBER OF PERCENTAGE : 89.5%



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## ADD ON COURSE : SUMMARY REPORT

**Course code and Name :** 23BCTP05/ Block Chain Technology In Pharmaceuticals

**Date Of Add On Programme :** 03/10/2023 to 19/10/2023

**Course Duration :** 36 Hours

**Year Offered :** 2<sup>nd</sup> Sem B.Pharm

**Course Instructors :** M.Praveen Kumar., M.Pharm.

**Course Outcomes :**

- **Drug Traceability and Anti-Counterfeiting:** Learn how blockchain technology can enhance drug traceability and combat counterfeiting. Understand how immutable records and transparent supply chains can improve the authenticity and safety of pharmaceuticals.
- **Supply Chain Management:** Develop insights into how blockchain can optimize pharmaceutical supply chains by improving tracking and transparency of drug products from manufacturing to distribution. Learn how blockchain can address challenges related to inventory management, recall processes, and supply chain integrity.

**Course Type :** Add on Course

**Assessment Mode:**

**Total Duration :** 36 Hours

**Number of Participants :** 30

**Scheme of Exam :** MCQ type, offline Mode

**Date of Exam :** 19/10/2023

**Course Coordinator**



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PHARMACEUTICAL

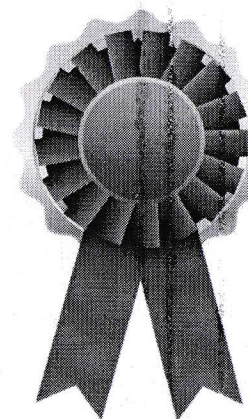
.....03/10/2023 TO 19/10/2023.....

COORDINATOR



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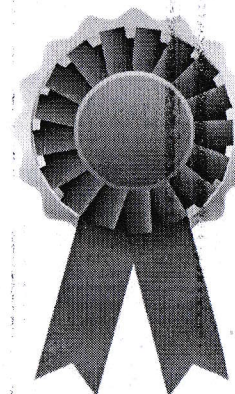
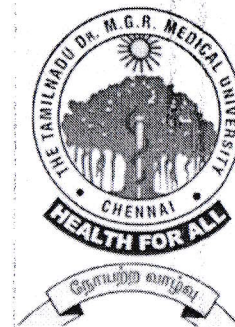
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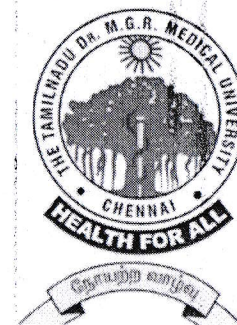
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## STUDENT FEEDBACK FORM

STUDENT NAME: Perrarasu.R

DATE: 19/10/2023

YEAR/COURSE: B. Pharm- II Sem.

NAME OF THE ADD ON COURSE: Blockchain Technology in Pharmaceutics

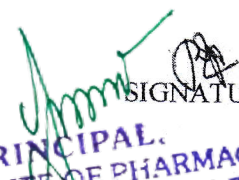
COURSE CODE: 23 BTP05

DURATION: 36 hrs.

EVALUATE HONESTLY:

Questions	Excellent	Good	Fair	Poor
How was the objectives of the training	✓			
How satisfied are you with our seminar	✓			
How would you rate the clarity and effectiveness of the presenter's delivery	✓			
Was the seminar duration appropriate		✓		
How engaging and interactive was the seminar		✓		
Usefulness of the information provided	✓			
Overall quality of session			✓	



  
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## PHOTOGRAPH

DATE : 7/10/23

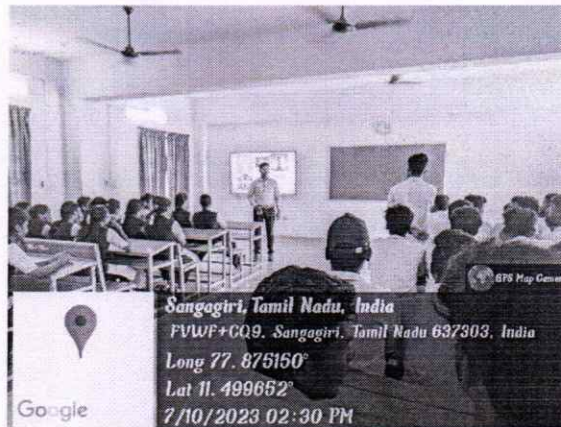
### BLOCKCHAIN TECHNOLOGY IN PHARACEUTICS

NAME OF ADD ON COURSE : BLOCKCHAIN TECHNOLOGY IN PHARACEUTICS

COURSE INSTRUCTORS : M.PRAVEEN KUMAR


YEAR OFFERED : 2<sup>nd</sup> SEM B.PHARM

COURSE DURATION : 36 hrs



Add-on course regarding the Topic Application of Blockchain Technology In Pharaceutics 7/10/23 the speech delivered By M.Praveen Kumar.,M.Pharm. which was an interactive session and students could able to understand the Application of Blockchain Technology In Pharaceutics in the fields of pharmaceutical sciences



  
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