### ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY

Approved by: Pharmacy Council of India, New Delhi &

Affiliated to The Tamilnadu Dr. M.G.R Medical University, Chennai.

#### Accredited by NAAC "A" Grade and ISO Certified

Ethirmedu, B. Komarapalayam - 638183, Namakkal Dist. Tamilnadu, India.

Website: www.jkkmmrfpharmacy.edu.in/e.mail: principal@jkkmmrfpharmacy.edu.in Contact No: +919789456750, +919943066944, +919943069944

> Dr. N. SENTHILKUMAR, Ph.D., Principal

> > DATE: 12.03.2024

#### **DEPARTMENT OF PHARMACEUTICAL REGULATORY AFFAIRS**

SEMINAR TITLE: REGULATORY AFFAIRS PROFESSIONALS LEARN ABOUT THE REGULATORY REQUIREMENTS AND APPROVAL PROCEDURE FOR DRUGS.

#### **REPORT**

Date: 10.03.2024 VENUE: SEMINAR HALL

#### **RESOURCE PERSONS**

1. Mr. K. JAGANATHAN M. PHARM,

ASSOCIATE PROFESSOR

DEPARTMENT OF PHARMACEUTICAL REGULATORY AFFAIRS

JKKMMRF'S ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY, KOMARAPALAYAM.

2. Mrs. S. SANGEETHA M. PHARM,

ASSISTANT PROFESSOR
DEPARTMENT OF PHARMACEUTICS

JKKMMRF'S ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY, KOMARAPALAYAM.

No. of students enrolled: 47

No. of students certified: 47

#### **OBJECTIVE:**

Regulatory Affairs (RA) professionals learning about regulatory requirements and approval procedures for drugs is to ensure that pharmaceutical products are developed, manufactured, and distributed in compliance with the regulations and guidelines of health authorities, Understanding Regulatory Frameworks, Facilitating Drug Development, Efficient Approval Process, Compliance with Good Practices, Mitigation of Risks, Post-Market Surveillance, Global Market Access, Promoting Ethical Standards.

#### Learning outcomes:

- **Proficiency in Drug Development and Approval Processes**: Demonstrate knowledge of the regulatory approval pathways for different types of drugs (e.g., NDAs, ANDAs, biologics, generics).
- Regulatory Compliance Identify and apply Good Manufacturing Practices (GMP), Good Clinical Practices (GCP), and Good Laboratory Practices (GLP) to ensure quality and safety.
- Global Regulatory Strategies Develop strategies to meet regulatory requirements in multiple jurisdictions for global market access.
- **Document Preparation and Submission** Gain expertise in preparing and compiling regulatory documents, including Investigational New Drug (IND) applications, Common Technical Documents (CTDs), and Marketing Authorization Applications (MAAs).
- **Post-Market Surveillance**: Understand requirements for post-market surveillance, including pharmacovigilance, product recalls, and updates to labeling or packaging. Ensure compliance with ongoing reporting obligations to regulatory agencies.

PROGRAM CO-ORDINATOR

HEAD OF THE DEPARTMENT

PRINCIPAL



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Dr. N. SENTHILKUMAR, Ph.D.,
Principal

Date: 04.03.2024

REF.NO: JKKM/PHARM RA/REG/REQ/2024/002

From:

Department of Pharmaceutical regulatory affairs, JKKMMRF'S Annai JKK Sampoorani Ammal College of Pharmacy. Komarapalayam, Namakkal [Dist.] Tamil Nadu, PIN: 638183.

To:

The Principal, JKKMMRF'S Annai JKK Sampoorani Ammal College of Pharmacy. Komarapalayam, Namakkal [Dist.] Tamil Nadu, PIN: 638183.

Subject: Letter for requesting Permission to Conduct on two days seminar regarding: -

Respected Sir,

We are writing this letter to request permission to conduct a ONE-DAY SEMINAR in the SEMINAR HALL on 10.03.2024. We wish to conduct seminar regarding the Regulatory affairs professionals learn about the Regulatory requirements and approval procedure for drugs.

We request you to kindly permit to conduct seminar program as this would be a great opportunity for Students to learn and that would help a great deal to shape the students. Looking forward to hearing from you.

Looking forward for your approval.

Thank you

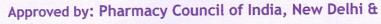
Yours sincerely,

Head of the department

Dr. N.SENTHILKUMAR, PRINCIPAL.











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Dr. N. SENTHILKUMAR, Ph.D.,
Principal

DATE: 10.3.2024

#### **CIRCULAR**

This is informed to the M.PHARM STUDENTS OF PHARMACEUTICS AND PHARMACEUTICAL REGULATORY AFFAIRS that the following SEMINAR can be conducted by the Department of Pharmaceutical regulatory affairs, JKKMMRF'S ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY, KOMARAPALAYAM and it will be commenced as per the schedule:

SEMINAR TITLE	SCHEDULE	VENUE	DURATION	SUB TOPICS	RESOURCE PERSON
Regulatory affairs professionals learn about the Regulatory	08.03.2024	SEMINAR HALL	FN (2 HOURS) 10.30 Am to 12.30 Pm	<ul> <li>Introduction to         <ul> <li>Intellectual Property</li> <li>Rights (IPR).</li> </ul> </li> <li>Types of IPR Relevant to         <ul> <li>Pharmaceuticals</li> </ul> </li> <li>Regulatory-Driven IP         <ul> <li>Considerations</li> </ul> </li> </ul>	Mr. K. JAGANATHAN M. PHARM,
requirements and approval procedure for drugs.			AN (2 HOURS) 2.00 Pm to 4 Pm	<ul> <li>Compulsory Licensing and Patent Limitations</li> <li>Generic Drugs and Patent Challenges</li> <li>Collaboration Between IPR and Regulatory Affairs</li> </ul>	Mrs. S. SANGEETHA M. PHARM,

**TOTAL HOURS-4 HOURS** 

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

NOTE: Certificates should be issued to all the students after completion of the all session.

PROGRAM COORDINATOR

HOD

PRINCIPAL

Dr. N.SENTHILKUMAR, PRINCIPAL.

#### AROLTA V

Mr.JKK Munirajah founder Trustee founded Annai JKK Samooorani Ammal Charitable Trust during 1971. He established many temples of learning to perpetuate the ever lasting memory his beloved mother. Presently the trust is run by Mrs. Vasantha Kumari Municajah as Managing Trustee and his son Mr. J.K.M. Jayaprakash as Correspondent, Trust runs, Paramedical Institutions offering Diploma, Graduate, Post Graduate & Ph.D. Courses and Research in Pharmacy, Nursing, Physiotherapy, Occupational Therapy & Allied Health Science at Komarapalayam, Namakkal District and also running Agriculture, Engineering, College of Education, Polytechnic, Community Polytechnic and an Industrial Training Centre and one more Pharmacy College at T.N.Palayam, Erode District, Also, the trust runs Matriculation School, Higher Secondary School for differently abled, deaf and dumb & mentally ill, Rehabilitation center for differently able children at Komaranalayam. These educational institutions are temples of learning and have contributed much to facilitate remarkable social changes in our society. The trust has won many national and state awards. These renowned Educational Institutions spared education to promote knowledge, wisdom and service-orientation.

> Venue: Seminar Hall Date: 10.03.2024

#### RESOURCE PERSONS



Mr. K. JAG ANATHAN M. PHARM.
ASSOCIATE PROFESSOR
DEPARTMENT OF PHARMACEL FICAL
REGULATORY AFFAIRS
JKKMMRF 'S ANALJEKK SAMPOORANI
AMMAL

COLLECT OF PHARMACY



MIS. S. SANGEFER A M. PHARM.
ASSISTANT PROFESSOR
DEPARTMENT OF PHARMACET FICS
JEKMMRF'S ANNAL JEE SAMPGORAN,
AMMAE
COLLEGE OF PHARMACY









JKKMMRF'S ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY. KOMARAPALAYAM. 638-183

ONE DAY SEMINAR

ORGANIZED BY

DEPARTMENT OF PHARMACEUTICAL REGULATORY AFFAIRS AND INTERNAL QUALITY ASSURANCE CELL

TOPIC: REGULATORY AFFAIRS
PROFESSIONALS FEARN ABOUT THE
REGULATORY REQUIREMENTS AND
APPROVAL PROCEDURE FOR DRUGS





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Principal

#### **DEPARTMENT OF PHARMACEUTICAL REGULATORY AFFAIRS**

ABOUT THE SEMINAR

ONE-DAY SEMINAR ON: REGULATORY AFFAIRS PROFESSIONALS LEARN ABOUT THE REGULATORY REQUIREMENTS AND APPROVAL PROCEDURE FOR DRUGS.

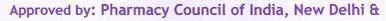
A seminar on "Regulatory Requirements and Approval Procedures for Drugs" is an essential learning opportunity for regulatory affairs professionals, equipping them with the knowledge and skills needed to navigate the complex and ever-evolving landscape of drug development and compliance. This seminar focuses on the critical role regulatory affairs play in ensuring that pharmaceutical products meet stringent safety, efficacy, and quality standards while adhering to local and international guidelines. Participants are introduced to the key regulatory frameworks governing drug approval, including the FDA in the United States, EMA in Europe, MHRA in the UK, and agencies in other regions like India, Japan, and China. A significant portion of the seminar is dedicated to understanding the drug development process, starting from preclinical research and clinical trials to the preparation and submission of regulatory dossiers, such as the Common Technical Document (CTD) and its electronic version (eCTD).

Through practical insights and case studies, attendees learn about critical submission milestones, such as Investigational New Drug (IND) applications, New Drug Applications (NDA), and Marketing Authorization Applications (MAA), along with fast-track and priority review pathways for innovative therapies. The seminar emphasizes the importance of region-specific compliance while also addressing global harmonization efforts led by organizations like the International Council for Harmonisation (ICH). Additionally, emerging trends such as the integration of digital tools in regulatory submissions, advancements in personalized medicine, and the regulatory challenges associated with biosimilars and gene therapies are explored. By participating, professionals gain a deeper understanding of regulatory strategies, enabling them to manage submissions efficiently, mitigate risks, and achieve timely drug approvals. This seminar not only enhances theoretical knowledge but also offers actionable insights that empower attendees to drive success in regulatory compliance and ensure patient access to safe and effective drugs worldwide.



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Dr. N. SENTHILKUMAR, Ph.D.,
Principal

# DEPARTMENT OF PHARMACEUTICAL REGULATORY AFFAIRS SEMINAR FEEDBACK FORM

STI	ID	FN	T	NΔ	ME:
210				INA	IVII /-

DATE:

YEAR/ COURSE:

NAME OF THE SEMINAR:

**DURATION:** 

#### **EVALUATE HONESTLY:**

Excellent	Good	Fair	Poor
	•		
	Excellent	Excellent Good	Excellent Good Fair

#### **Student Participation**

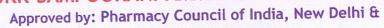
- On average, how many hours a week did you spend on this course (in and out of class)?
   A)0-2 B) 2-5 C)6-10 D)11-14 E)15UP
- What grade do you expect in this course?
   A)BELOW 50% B) 50-60% C) 60-70% D) 70-80% E) ABOVE 80%

HALAN MAY A CONTIGUED BHY WALL ON THE CONTIG

**8IGNATURE OF STUDENT** 

Dr. N.SENTHILKUMAR, PRINCIPAL,

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Principal

#### **DEPARTMENT OF PHARMACEUTICAL REGULATORY AFFAIRS**

#### STUDENT FEEDBACK FORM

NAME OF STUDENT:

**COURSE:** 

**SEMINAR TOPIC:** 

YEAR & SEMESTER: DATE & TIME:

- 1. Overall, how satisfied were you with this seminar?
  - Very satisfied
  - Satisfied
  - Neutral
  - Dissatisfied
  - Very dissatisfied
- 2. How clear were the ideas and concepts we presented?
  - Extremely clear
  - Very clear
  - Moderately clear
  - Not very clear
  - Not at all clear
- 3. What percentage of the information was new to you?
  - 100%
  - 75%
  - 50%
  - 25%
- 4. How informative did you find our seminar?
  - Extremely Informative
  - Very Informative
  - Moderately Informative
  - Not very informative
  - Not informative at all

Were there any technical issues that prevented you from seeing or hearing the seminar
• Yes
• No
Would you like to learn more about this topic?
• Yes
• No
Rate the content of the slides/virtual aid?
Extremely clear
Very clear
Moderately clear
Not very clear
Not at all clear
How accurate was the session description?
Extremely clear
Very clear
Moderately clear
Not very clear
Not at all clear
How did the session compare to your expectations?
• Excellent
• Good
• Fair
• Poor
Not at all clear

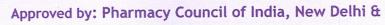
- 10. How would you rate the content of the seminar?
  - •
  - 2
  - 3
  - 4
  - 5

Student Name with Signature

Dr. N.SENTHILKUMAR, PRINCIPAL,



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Dr. N. SENTHILKUMAR, Ph.D.,
Principal

DATE: 10.03.2024

#### STUDENTS FEEDBACK ANALYSIS

S.NO	QUESTION DESCRIPTION	ANSWERS	MARKS	TOTAL MARKS	
		Very satisfied	5		
		Satisfied	3		
1	Satisfaction	Neutral	2	5	
		Dissatisfied	1		
		Very dissatisfied	0		
		Extremely clear	5		
		Very clear	4	A	
2	Clarity	Moderately clear	2	5	
		Not very clear	1		
		Not at all clear	0		
	1	100%	5	5	
	The percentage of the information was new	75%	4		
3		50%	3		
		25%	2		
		0%	1		
		Extremely Informative	5		
	Informative	Very Informative	3		
4		Moderately Informative	2	5	
		Not very informative	1		
		Not informative at all	0		
_	Tarkeitalian	Yes	5		
5 T	Technical issues	No	0	5	

6	Like to learn more about this topic	Yes	5	5
	Bike to learn more about this topic	No	0	<b>5</b> .
		Extremely clear	5	
7	Rate the content of the slides/virtual	Moderately clear	2	5
/	aid	Not very clear	1	
		Not at all clear	0	
		Extremely clear	5	
		Very clear	3	
8	Accuracy of the sessions	Moderately clear	2	5
	•	Not your clear		
		Not very clear	1	
		Not at all clear	0	
		Excellent	5	
		Good	3	
9	Session expectations	Fair	2	5
		Poor	1	
		Not at all clear	0	
		1	1	
		2	2	
10	Rate the content of the seminar	3	3	5
		4	4	
		5	5	

PROGRAM CO-ORDINATOR

HEAD OF THE DEPARTMENT

PRINCIPAL Dr. N.SENTHILKUMAR, PRINCIPAL,







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Principal

10.03.2024

#### **REPORT SUMMARY**

<b>Duration of the Course</b>	4 HOURS
Total participants Enrolled	47
<b>Successfully Completed</b>	47
Type of Feedback Assessment	Multiple Choice Questions (MCQ's)
	<ul> <li>Proficiency in Drug Development and Approval Processes:         Demonstrate knowledge of the regulatory approval pathways for different types of drugs (e.g., NDAs, ANDAs, biologics, generics).     </li> </ul>
	<ul> <li>Regulatory Compliance Identify and apply Good         Manufacturing Practices (GMP), Good Clinical Practices (GCP),         and Good Laboratory Practices (GLP) to ensure quality and         safety.</li> </ul>
Course Outcome	<ul> <li>Global Regulatory Strategies Develop strategies to meet regulatory requirements in multiple jurisdictions for global market access.</li> </ul>
	<ul> <li>Document Preparation and Submission Gain expertise in preparing and compiling regulatory documents, including Investigational New Drug (IND) applications, Common Technical Documents (CTDs), and Marketing Authorization Applications (MAAs).</li> </ul>
	<ul> <li>Post-Market Surveillance: Understand requirements for post- market surveillance, including pharmacovigilance, product recalls, and updates to labeling or packaging. Ensure compliance with ongoing reporting obligations to regulatory agencies.</li> </ul>



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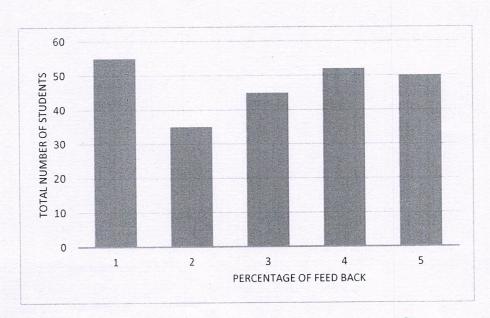
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### Feedback Question Analysis – Question Asked-Feedback Rating

6. Like to learn more about this topic
7. Rate the content of the slides/virtual aid
8. Accuracy of the sessions
9. Session expectations
10. Rate the content of the seminar





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Principal

### **LIST OF PARTICIPANTS**

S.NO	NAME	YEAR
1.	CHANDRU D	M.PHARM (III RD SEM
	CHANDRU D	PHARMACEUTICS)
2.	GOWTHAM M	M.PHARM (III RD SEM
	GOWTHAMIM	PHARMACEUTICS)
3.	VALAIVADACI D	M.PHARM (III RD SEM
	KALAIYARASI R	PHARMACEUTICS)
4.	VOTUALC	M.PHARM (III RD SEM
	KOTHAI S	PHARMACEUTICS)
5.	MANU DITA DA TITI D	M.PHARM (III RD SEM
	MANI BHARATHI P	PHARMACEUTICS)
6.	MOHAMMED AABITH M	M.PHARM (III RD SEM
	MOHAMMED AABITH M	PHARMACEUTICS)
7.	MOLIANIA MANNIANIA	M.PHARM (III RD SEM
	MOHANA KANNAN M	PHARMACEUTICS)
8.	NAVEEN KUMAR M	M.PHARM (III RD SEM
	NAVEEN KUMAR M	PHARMACEUTICS)
9.	PRASANTH R	M.PHARM (III RD SEM
	FRASANTHK	PHARMACEUTICS)
10.	VATHENDIRAN S	M.PHARM (III RD SEM
	VATHENDIKAN S	PHARMACEUTICS)
11.	AVINASH V	M.PHARM (III <sup>RD</sup> SEM
	AVINASH V	PHARMACEUTICS)
12.	BHAVATHARANI R	M.PHARM (I <sup>ST</sup> SEM
	BHAVATHAKANIK	PHARMACEUTICS)
13.	CHANDAN KUMAR V	M.PHARM (I <sup>ST</sup> SEM
	CHANDAN KUWAK V	PHARMACEUTICS)
14.	DEEPAPRIYA K	M.PHARM (I <sup>ST</sup> SEM
	DEEPARKITAK	PHARMACEUTICS)
15.	HARIHARAN M	M.PHARM (I <sup>ST</sup> SEM



Dr. N.SENTHILKUMAR,

		PHARMACEUTICS)
16.	KAVIN V R	M.PHARM (I <sup>ST</sup> SEM
		PHARMACEUTICS)
17.	VIDUTUUVA V	M.PHARM (I <sup>ST</sup> SEM
	KIRUTHIKA K	PHARMACEUTICS)
18.	MONISHA J	M.PHARM (I <sup>ST</sup> SEM
	MONISHA J	PHARMACEUTICS)
19.	NANDHINI J	M.PHARM (I <sup>ST</sup> SEM
	NANDHINI J	PHARMACEUTICS)
20.	NIVEDHA S	M.PHARM (I <sup>ST</sup> SEM
	NIVEDIIA 3	PHARMACEUTICS)
21.	PRADEEP S	M.PHARM (I <sup>ST</sup> SEM
	FRADLEI 3	PHARMACEUTICS)
22.	RASIGA S	M.PHARM (I <sup>ST</sup> SEM
	RASIGA S	PHARMACEUTICS)
23.	RENUGA R	M.PHARM (I <sup>ST</sup> SEM
		PHARMACEUTICS)
24.	SELVAMANI R	M.PHARM (I <sup>ST</sup> SEM
		PHARMACEUTICS)
25.	SENTHIL KUMAR S	M.PHARM (I <sup>ST</sup> SEM
	SENTINE ROWARS	PHARMACEUTICS)
26.	SESHAGIRIVASAN K	M.PHARM (I <sup>ST</sup> SEM
		PHARMACEUTICS)
27.		M.PHARM (III RD SEM
	ANBUDURAI S	REGULATORY
		AFFAIRS)
28.		M.PHARM (III <sup>RD</sup> SEM
	DURAI K	REGULATORY
		AFFAIRS)
29.		M.PHARM (III RD SEM
	RAGHU A	REGULATORY
		AFFAIRS)
30.		M.PHARM (III RD SEM
	SILAMBARASAN D	REGULATORY /
		AFFAIRS)

Dr. N.SENTHILKUMAR, PRINCIPAL,



31.		M.PHARM (III RD SEM
	SWARNAMBIGAI J	REGULATORY
		AFFAIRS)
32.		M.PHARM (III RD SEM
	VINOTHKUMAR V	REGULATORY
		AFFAIRS)
33.		M.PHARM (I <sup>ST</sup> SEM
	ARAVINTHRAJ U	REGULATORY
		AFFAIRS)
34.		M.PHARM (I <sup>ST</sup> SEM
	AYESHA THASNEEM V M	REGULATORY
		AFFAIRS)
35.		M.PHARM (I <sup>ST</sup> SEM
	BRUNDHA R	REGULATORY
		AFFAIRS)
36.	t end of	M.PHARM (I <sup>ST</sup> SEM
	DINESH S	REGULATORY
		AFFAIRS)
37.		M.PHARM (I <sup>ST</sup> SEM
	ELAVARASAN P	REGULATORY
		AFFAIRS)
38.		M.PHARM (I <sup>ST</sup> SEM
	GOPINATH P	REGULATORY
		AFFAIRS)
39.		M.PHARM (I <sup>ST</sup> SEM
	JAYAPRIYA R	REGULATORY
		AFFAIRS)
40.		M.PHARM (I <sup>ST</sup> SEM
	JEGANATHAN B	REGULATORY
		AFFAIRS)
41.		M.PHARM (I <sup>ST</sup> SEM
	JOHN PAUL E	REGULATORY
		AFFAIRS)
42.	KARTHIKEYAN S	M.PHARM (IST SEM

Dr. N.SENTHILKUMAR,



		REGULATORY
		AFFAIRS)
43.		M.PHARM (I <sup>ST</sup> SEM
	MAHAVISHNU J	REGULATORY
		AFFAIRS)
44.		M.PHARM (I <sup>ST</sup> SEM
	RANJITH R	REGULATORY
		AFFAIRS)
45.		M.PHARM (I <sup>ST</sup> SEM
	ROHIT SUNDHAR S	REGULATORY
		AFFAIRS)
46.		M.PHARM (I <sup>ST</sup> SEM
	SNEHA A	REGULATORY
		AFFAIRS)
47.		M.PHARM (I <sup>ST</sup> SEM
	VIJAY A	REGULATORY
		AFFAIRS)



Dr. N.SENTHILKUMAR, PRINCIPAL,

ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY

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Ethirmedu, B. Komarapalayam - 638183, Namakkal Dist. Tamilnadu, India.

Website: www.jkkmmrfpharmacy.edu.in/e.mail: principal@jkkmmrfpharmacy.edu.in Contact No: +919789456750, +919943066944, +919943069944



Dr. N. SENTHILKUMAR, Ph.D., Principal

Date: 10/3/2024

#### **SEMINAR PHOTOS**

Title: Introduction to Intellectual Property Rights (IPR), Types of IPR Relevant to Pharmaceuticals and Regulatory-Driven IP Considerations

Resource Person Speech with Students



Title: Compulsory Licensing and Patent Limitations, Generic Drugs and Patent Challenges and Collaboration between IPR and Regulatory Affairs

Resource Person Speech with Students





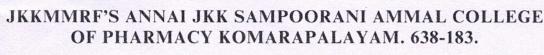












ONE DAY SEMINAR ON

**TOPIC:** Regulatory affairs professionals learn about the Regulatory requirements and approval procedure for drugs.

ORGANIZED BY

## DEPARTMENT OF PHARAMACEUTICAL REGULATORY AFFAIRS AND INTERNAL QUALITY ASSURANCE CELL CERTIFICATE OF PARTICIPATION

This certify that Mr./ Ms./ Mrs./ Dr. has participated in One Day Seminar on Regulatory affairs professionals learn about the Regulatory requirements and approval procedure for drugs held on 10.03.2024.

**Organizing Secretary** 





PRINCIPAL