



**IP Facilitation Center ( IPFACE)**  
 750, NCL Innovation Park  
 Dr. Homi Bhabha Road, Pune -411008  
 Email: ipassociate@ipface.org  
 ipasso@ipface.org  
 Phone: +91-20-6401-1026



<b>Certification Course on Patents for Scientists and Engineers</b> 3:15-5:15 pm; 2 hours daily; 7 days <b>Organized by IPFACE, Venture Center</b>																			
<b>LEARN/ GAIN</b>	<ul style="list-style-type: none"> <li>• Certificate of Completion on Patents</li> <li>• Basic understanding of patents for students and researchers to enable them to make the best use of the patenting system.</li> <li>• Learn how to seek protection for your (or your organization's) inventions, secure rights and license/ commercialize patents.</li> </ul>																		
<b>FOR WHOM</b>	<ul style="list-style-type: none"> <li>• Students of sciences, engineering, pharma, medicine and allied disciplines</li> <li>• Researchers and inventors with science/ engg backgrounds</li> <li>• Practicing engineers and industrial scientists</li> <li>• Individual inventors</li> <li>• Entrepreneurs with knowledge intensive product/ service offerings</li> </ul>																		
<b>LEAD FACULTY</b>	Dr Nitin S Tewari. Scientist, Intellectual Property Group, NCL, Pune																		
<b>ORGANIZERS</b>	<ul style="list-style-type: none"> <li>• Intellectual Property Group, CSIR- National Chemical Laboratory, Pune</li> <li>• IP Facilitation Center, Venture Center, Pune</li> </ul>																		
<b>IPFACE LEAD</b>	Ashutosh Prachand, IPFACE, Venture Center, NCL Innovation Park, Pune -411008																		
<b>WHEN</b>	Day 1: Friday 7 Feb 2014, 3:15-5:15 pm   Day 2: Saturday 8 Feb 2014, 3:15-5:15 pm Day 3: Monday, 10 Feb 2014, 3:15-5:15 pm   Day 4: Tuesday, 11 Feb 2014, 3:15-5:15 pm Day 5: Wednesday, 12 Feb 2014, 3:15-5:15 pm Day 6: Thursday, 13 Feb 2014, 3:15-5:15 pm   Day 7: Friday, 14 Feb 2014, 3:15-5:15 pm																		
<b>WHERE</b>	E-Class Room, Venture Center, 100 NCL Innovation Park , Dr. Homi Bhabha Road, Pune-411008																		
<b>CONTACT</b>	Ms. Lipika Biswas 100, NCL Innovation Park, Dr. Homi Bhabha Road, Pune – 411008 Phone: +91-20-25865877/64011024 ; Email: <a href="mailto:eventsdesk@venturecenter.co.in">eventsdesk@venturecenter.co.in</a> For more information and registration visit- <a href="http://www.ipface.org/workshops.php">http://www.ipface.org/workshops.php</a>																		
<b>COST</b>	<ul style="list-style-type: none"> <li>• <b>Fees:</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Medium and large companies/ others:**</td> <td align="right">Rs. 8000/-</td> </tr> <tr> <td>Micro and small enterprises/ individuals:**</td> <td align="right">Rs. 4000/-</td> </tr> <tr> <td>Non-profit organizations/ academic organizations:**</td> <td align="right">Rs. 4000/-</td> </tr> <tr> <td>Students with valid ID card:</td> <td align="right">Rs. 900/-</td> </tr> <tr> <td>NCL-TEC members</td> <td align="right">Rs. 500/-</td> </tr> <tr> <td>NCL or IISER sponsored or employees</td> <td align="right">Rs. 2000/-</td> </tr> <tr> <td>IPFACE members , VC resident incubatees, AIP members</td> <td align="right">Rs. 2000/-</td> </tr> </table> </li> <li>• <b>Discounts*:</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>First 10 registrations</td> <td align="right">20%</td> </tr> <tr> <td>Group of 4 and above</td> <td align="right">30%</td> </tr> </table> </li> </ul> <p><b>*Only 1 discount applicable.</b>  <b>**Group discount applicable for first three categories only.</b>  <b>Number of seats limited to 35</b></p>	Medium and large companies/ others:**	Rs. 8000/-	Micro and small enterprises/ individuals:**	Rs. 4000/-	Non-profit organizations/ academic organizations:**	Rs. 4000/-	Students with valid ID card:	Rs. 900/-	NCL-TEC members	Rs. 500/-	NCL or IISER sponsored or employees	Rs. 2000/-	IPFACE members , VC resident incubatees, AIP members	Rs. 2000/-	First 10 registrations	20%	Group of 4 and above	30%
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### INTRODUCTION AND OBJECTIVES

Patents help inventors and companies protect their inventions. Patents have become a key component of today's knowledge economy. Increasingly, students, researchers and practicing scientists and engineers are expected to be aware of patents and know enough about patents to carry out their responsibilities effectively. This workshop aims to provide students, researchers and practicing scientists and engineers to learn about patents, be able to identify inventions, know how to protect their inventions, understand the patenting process sufficiently to engage with and interact with patent professionals, and strategize its commercialization. This workshop is intended as a rapid 7 day training program ending with the participants either receiving a Certificate of Completion or a Certificate of Participation.

### PROGRAMME OUTLINE

Lecture topics:

- Introduction to intellectual property and, more specifically, patents. Parts of a patent document.
- Identifying inventions. Carrying out preliminary searches using free patent databases to understand patent landscape, patentability etc.
- Integrating IP with research
- Drafting, filing and prosecution
- Protecting inventions outside India. PCT applications. Foreign filings.
- Patent enforcement, infringement, and commercialization.
- Case studies with workshop on planning patent related actions/ decisions.

The workshop shall conclude everyday with a 20-question multiple choice question paper. Participants have to complete 4 out of 6 question papers with 75% right answers to earn a "Certificate of Completion". Other participants shall receive a "Certificate of Participation".

### WHO IS IT FOR?

- Students of sciences, engineering, pharma, medicine and allied disciplines
- Researchers and inventors with science/ engg backgrounds
- Practicing engineers and industrial scientists
- Individual inventors
- Entrepreneurs with knowledge intensive product/ service offerings

### COURSE INCLUDES

- Handouts (Course notes, Inventor Guidance Notes, Case studies)
- Restricted website with online resources for participants (Slides, Inventor Guidance Notes, Case studies)
- Certificate of Completion or Certificate of Participation
- Free one-year reference membership for Venture Center Library
- Tea and snacks



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WORKSHOP SCHEDULE				
Date	Timing	Duration	Session title	Speakers
<b>Day 1</b> 7 Feb 2014	1500-1515	15 min	Tea and snacks Registration and pick-up of workshop handouts	
	1515-1525	10 min	Welcome to IPFACE and Venture Center Introduction to the workshop	PA/VP
	1525-1645	80 min	Introduction to Intellectual Property Introduction to patents – Why? What? How? Getting familiar with patent documents Getting familiar with key online websites	NS Tewari
	1645-1655	10 min	Q&A	
	1655-1715	20 min	Question paper 1	IPFACE team
<b>Day 2</b> 8 Feb 2014	1500-1515	15 min	Tea and snacks Returning of marked Question Paper 1	
	1515-1645	90 min	Identifying inventions in your work. Types of inventions patented. Examples. Patentability: Exceptions; Basic criteria Carrying out preliminary searches using free patent databases to understand patent landscape, patentability etc.	NS Tewari
	1645-1655	10 min	Q&A	
	1655-1715	20 min	Question paper 2	IPFACE team
<b>Day 3</b> 10 Feb 2014	1500-1515	15 min	Tea and snacks Returning of marked Question Paper 2	
	1515-1645	45 min	Types of applications/specifications, filing and prosecution/ examination. Process flows, timelines.	Pallavi Joshi
	1600-1645	45 min	Set up of Patent Offices; Search engines/resources used; Examination Report; Patent Strategies;	NS Tewari



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			Oppositions/Revocations. Protecting inventions outside India. PCT applications. Foreign filings. Jurisdictions, laws and treaties.	
	1645-1655	10 min	Q&A	
	1655-1715	20 min	Question paper 3	IPFACE team
<b>Day 4</b> 11 Feb 2014	1500-1515	15 min	Tea and snacks Returning of marked Question Paper 3	
	1515-1645	90 min	Invited talk on general overview on research planning and integrating it with patents; Developing patent portfolios; Planning experiments to strengthen your patents.	S. Sivaram
	1645-1655	10 min	Q&A	
	1655-1715	20 min	Question paper 4 (20 min)	IPFACE team
<b>Day 5</b> 12 Feb 2014	1500-1515	15 min	Tea and snacks Returning of marked Question Paper 4	
	1515-1600	45 min	Patent enforcement, infringement. Examples and cases.	NS Tewari
	1600-1645	45 min	Technology/patent licensing/commercialization	M. Nandagopal
	1645-1655	10 min	Q&A	
	1655-1715	20 min	Question paper 5	IPFACE team
<b>Day 6</b> 13 Feb 2014	1500-1515	15 min	Tea and snacks Returning of marked Question Paper 5	
	1515-1645	90 min	Great inventions not patented (Ex: SPREADSHEETS). Success stories of patents with actual cases "GOOGLE" "BLACKBERRY" "MRI" "ELECTRIC BULB" etc	NS Tewari
	1645-1655	10 min	Q&A	
	1655-1715	20 min	Question paper 6	IPFACE team





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<b>Day 7</b> 14 Feb 2014	1500-1515	15 min	Tea and snacks Returning of marked Question Paper 6	
	1515-1715	120 min	Group sessions on case studies with workshop on planning patent related actions/ decisions. Summarizing FAQs Discussions/explanations on Question Papers Workshop feedback Certificate distribution	NS Tewari  IPFACE team


LEAD FACULTY	
	<p><b>Nitin S Tewari</b>            Scientist, IP Group / NCL Innovations</p> <p>Patent drafting &amp; prosecution, IP portfolio planning, management and value addition            PhD (Biomed Research), WoS-C fellow of DST, Patent Agent</p>

SPEAKERS	
	<p><b>Dr. S. Sivaram</b>            Ex-Director of NCL and Founder Chairman of Venture Center.</p> <p>Masters Degree in Chemistry from IIT Kanpur            PhD (Organic Chemistry) from Purdue University            Experience in research on polymer synthesis, high performance polymers and surface chemistry of polymers.</p>
 <b>Dr Magesh Nandagopal</b>	<p><b>Dr Magesh Nandagopal</b>            Scientist, NCL Innovations</p> <p>New product development in chemical/material sciences, Assessment, Valuation, portfolio management &amp; marketing. Scientist, NCL Innovations. PhD (Polymer Science) &amp; MBA (Finance &amp; Operations), University of Connecticut</p>



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 <p><b>Pallavi Joshi</b></p>	<p><b>Pallavi Joshi</b> Intellectual Property, Patent drafting, IP Training programs and workshops</p> <p>Jr. IP Associate, IP Facilitation Center Previously, Research Associate Fellow (IP) at Dow Chemical Intl. Pvt. Ltd., Pune PG Diploma in Patents Law from NALSAR University, Hyderabad M.Sc. Biotechnology from University of Pune 2011 B.Sc. Biotechnology from University of Pune 2009</p>
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ABOUT THE ORGANIZERS	
	<p>IPFACE aims to promote awareness and adoption of intellectual property rights amongst entrepreneurs and MSMEs in India while also making accessible high-quality IP services and resources. IPFACE is a project of the Venture Center supported by the Ministry of Micro, Small and Medium Enterprises, Government of India and National Chemical Laboratory, Council of Scientific and Industrial Research, India.</p> <p><b>For more information about IPFACE services, visit <a href="http://www.ipface.org">www.ipface.org</a></b></p>
	<p>The National Chemical Laboratory, India is a research, development and consulting organization with focus on chemistry and chemical engineering. It has a successful record of research partnership with industry. NCL Innovations is resource center of NCL that supports, promotes and champions the cause of technology innovations within NCL.</p> <p><b>For more information about NCL Innovations &amp; IP group NCL, visit <a href="http://www.nclinnovations.org/">http://www.nclinnovations.org/</a></b></p>
	<p>Entrepreneurship Development Center (Venture Center) – a CSIR initiative, is a Section 25 company hosted by the National Chemical Laboratory, Pune. Venture Center strives to nucleate and nurture technology &amp; knowledge-based enterprises by leveraging the scientific &amp; engineering competencies of the institutions in the Pune region. The Venture Center is a technology business incubator supported by the Department of Science &amp; Technology's National Science &amp; Technology Entrepreneurship Development Board (DST-NSTEDB). Venture Center's focuses on technology enterprises offering products &amp; services exploiting scientific expertise in the areas of materials, chemicals and biological sciences &amp; engineering.</p> <p>For more information, visit <a href="http://www.venturecenter.co.in/">http://www.venturecenter.co.in/</a></p>