Short Term Course on React Outreach: Empowering Tomorrow's Web Developer
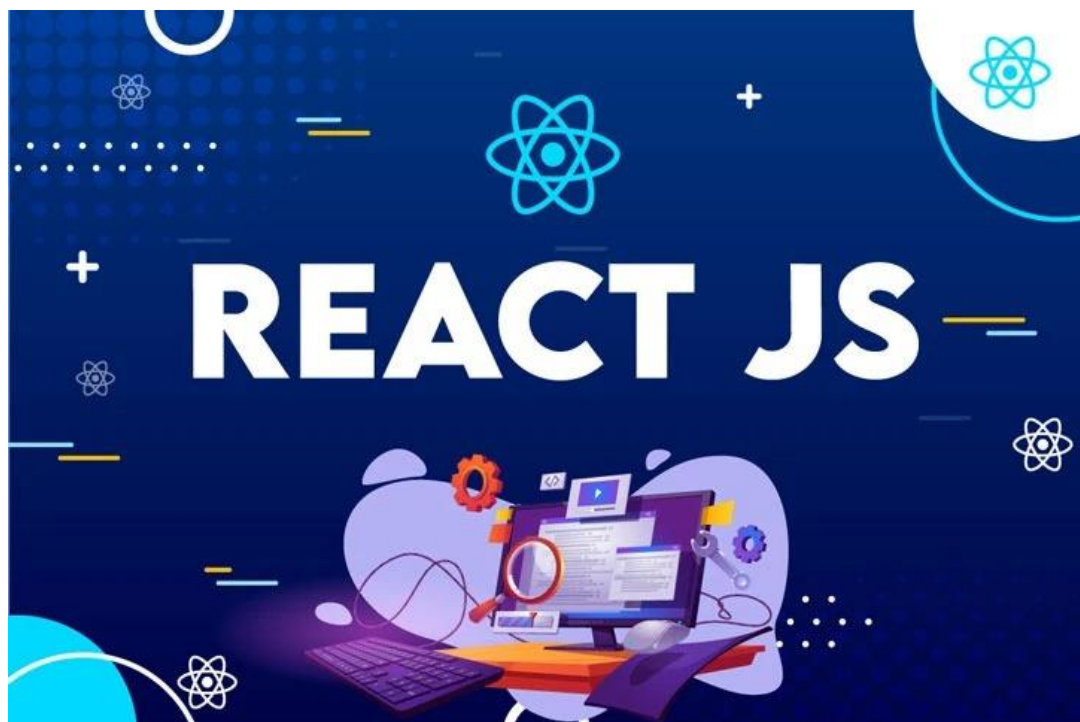**November 09, 2024 – November 15, 2024**
Time: 05:30 PM to 07:30 PM

Organized by
SCHOOL OF COMPUTER SCIENCE AND ENGINEERING
&
HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)
LOVELY PROFESSIONAL UNIVERSITY, PHAGWARA (PUNJAB)

BACK DROP AND RATIONALE

In today's digital landscape, developing interactive and user-friendly web applications is crucial, and React has become a leading tool for building dynamic user interfaces.

The short-term course on React Outreach: Empowering Tomorrow's Web Developer is designed to equip participants with essential React skills through expert-led sessions covering key concepts like components, state management, and routing that can enhance their performance at their workplaces.

LEARNING OUTCOMES

After doing this course the participants will:

• Understand the core principles of React JS, including components, state, and props.

• Learn how to create dynamic and interactive user interfaces using React.

• Master the use of hooks for managing state and side effects.

• Get hands-on experience with modern React features such as context, lazy loading, and suspense.

• Build real-world applications, from single-page apps to complex, scalable projects.

• Gain knowledge of best practices for code organization, performance optimization, and testing in React applications.

• Explore the React ecosystem, including tools like React Router for navigation and Redux for state management.

PROGRAM HIGHLIGHTS

• Recorded video lectures
• Live Demonstration and hands on Experience
• Admission to a WhatsApp group for discussion and peer learning

WHO CAN ATTEND?

• Budding Corporate Professionals, Entrepreneurs and Members of Academia seeking to update the skills..
• LPU Associates: Faculty and Staff members , Students, Alumni.

PROGRAM DURATION AND MODE: 6 days online sessions in synchronous mode, practice sessions, post training evaluations and action learning project.

PROGRAM STRUCTURE:

The program will be in virtual mode. Recording of all the lectures would be available for the reference. Course would comprise of live demo and practice sessions.

November 9, 2024 to November 15, 2024 Time: 5:30 PM to 07:30 PM	
Day and Date	**Topic**
November 09, 2024 (Saturday)	Introduction to ES6 and JSX Installation
November 11, 2024 (Monday)	Components, State and Event Handling
November 12, 2024 (Tuesday)	React Hooks and Side Effects
November 13, 2024 (Wednesday)	Routing and Navigation with React Router
November 14, 2024 (Wednesday)	State Management with Redux
November 15, 2024 (Wednesday)	Project Presentation and Submission

RESOURCE PERSONS

Dr. Karthick Panneerselvam is an accomplished faculty member at School of Computer Science and Engineering, Lovely Professional University. He has a strong academic background and diverse professional experience. Before transitioning to academia, Dr. Karthick spent approximately six years in the IT industry, gaining valuable insights and expertise. He has served Wipro Technologies as a Project Engineer, specializing in various areas such as Database management, Network Backup, Backing Applications, and Networking.

Mr. Vimal Gunasekar is currently working as a Technical Lead at TD in the Greater Toronto Area, Canada, a position he has held since September 2021. With over 8 years of experience at Capgemini as a Software Engineer, Vimal has specialized in JavaScript technologies, including Node.js, React.js, MongoDB, Express, and MySQL. He is proficient in writing APIs using Express.js and Laravel (PHP) and has extensive experience with both SQL and NoSQL databases, particularly MySQL and MongoDB. Vimal is also an AWS Certified Technical Professional and an Oracle Certified Professional, underscoring his expertise and commitment to continuous learning in the field of software engineering.

IMPORTANT DATES AND REGISTRATION FEE

Registration Link	*Registration Fee per participant	Registration Closes
https://www.lpu.in/hrd/	**LPU Associates Rs. 1500/-**	**November 07, 2024 (Thursday)**
	External Participants Rs.2000/-	

* Fee once paid is non-refundable.

MODE OF PAYMENT

Online Payment: Net Banking/Debit Card/Credit Card /UPI (G Pay, Paytm etc.)

HOW TO REGISTER

Step 1: Go to **http://www.lpu.in/hrd/**

Step 2: As a new user enter your particulars to Register/ Create an Account

Step 3: Login to your Account. If already registered, you can directly Login and access your account.

Step 4: Click on "Register" to register for the desired course available on the Home page.

Step 5: Select the Payment mode and make payment accordingly.

Note: For Course Details click on "View brochure" in the "Courses available" Tab

PLATFORM

Online: https://myclass.lpu.in/

CERTIFICATION

Participation certificates will be awarded subject to meeting participation criteria i.e.,100% attendance and Min 50% marks in Post Training Evaluations and Action Learning Project.

PROGRAM CONVENERS

Dr. Sunaina Ahuja
Professor and Dean
Human Resource Development Center
Lovely Professional University

Dr. Prateek Agrawal
Professor & Associate Dean, School of Computer Science and Engineering

PROGRAM COORDINATORS

Mr. Ajay Kumar Sharma
Assistant Professor
COD- Corporate Outreach Training
Human Resource Development Center
Lovely Professional University

Dr. Chirag Sharma
Assistant Professor and HOD
School of Computer Science and Engineering
Lovely Professional University

ABOUT THE HOST INSTITUTION

Lovely Professional University has been accredited with National Assessment and Accreditation Council (NAAC A++) with 3.68 score on 4 point scale, highest score in 1st cycle of Accreditation among all government and private Universities. It is also ranked 9th amongst top Universities in India and listed among the 601-800 Universities in the world by the prestigious Times Higher Education World University Rankings 2024. LPU ranks 27th amongst all government and private Universities in India as per NIRF Ranking 2024 This success is achieved by the unmatchable ability of the University in ensuring inclusive and equitable quality education and promoting lifelong learning opportunities to all, providing inclusive and sustainable economic growth, strengthening the means of implementation, and revitalizing the global partnership for sustainable development. The University has secured 3rd position in the World University Rankings for Innovation –WURI 2023. Lovely Professional University has been ranked 12th globally and 1st in India amongst both government and private Universities in the Fourth Industrial Revolution Category. LPU is ranked 3rd in India and 235th globally in QS World University rankings: Sustainability 2024, Governance category. The University is acclaimed for academic excellence and multidisciplinary program offerings. Every year thousands of students are mentored to emerge as global citizens and seasoned professionals, as a result of the curriculum, pedagogy, evaluation schemes and holistic development initiatives adopted at the University.

LPU-Human Resource Development Center (LPU-HRDC) is mandated with the charge of Faculty Development and Outreach Training. HRDC engages with the maestros in industry and academia to ensure capacity building for developing industry ready professionals. Outreach Training Programs organized by LPU-HRDC focus on core-competence development, experiential learning approaches, and developing sustainable systems. LPU-HRDC hosts the local chapter of SWAYAM – NPTEL offering Massive Open Online Courses in all disciplines.

School of Computer Science & Engineering is among the best Colleges for Computer Science and Engineering in Punjab, India, LPU School of Computer Science and Engineering encourages all-round development through industry adapted curriculum focusing on enhancing both technical skills and soft skills. Each year, our coders set the benchmark a step higher by securing placements in top international brands like Microsoft, Google and Apple.

CONTACT US
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