

## REGISTRATION FORM

ONE WEEK  
FACULTY DEVELOPMENT PROGRAM ON  
**INTERNET OF THINGS, AUGMENTED REALITY  
AND VIRTUAL REALITY**

(2<sup>nd</sup> January to 6<sup>th</sup> January 2023)

Institution Innovation Council (IIC) and  
Department of Computer Science & Engineering

D. Y. Patil College of Engineering and Technology,  
Kasaba Bawada, Kolhapur  
(An Autonomous Institute)  
(NAAC 'A' Grade Institute - NBA Accredited Courses)  
in collaboration with  
Lead College Activity Scheme,  
Shivaji University, Kolhapur

1) Name: .....

2) Designation: .....

3) Institute/ Industry Name: .....

.....

4) Phone/Cell No. ....

5) E-mail: .....

6) Fee Particular (NEFT/Cash/Gpay/UPI)

.....

### Declaration

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the course and shall attend the course for the entire duration.

Place:

Date:

Signature of Applicant

Sign and Seal by Authority

## REGISTRATION FEES PARTICULARS:

Outside Faculty – 1000/-  
Research Scholars (PG, PHD) - 750/-  
In-house Faculty – 500/-

Registrations are to be done on first come first serve basis (Limited Entries). Payment of requisite fees required to be paid by Gpay/UPI on 9975646421 or by Cash. The fee includes Training charges, course content, Kit, Food and High Tea during the sessions.

## HOW TO APPLY:

A filled form of application in the prescribed format duly signed by candidate should reach the FDP Coordinator. You may also send scanned application form through e-mail to [siddheshwar.patil@gmail.com](mailto:siddheshwar.patil@gmail.com) as an advanced copy. Selection will be intimated through mail or phone.

## ACCOMMODATION:

The participants has to arrange accommodation on their own expanses.

## FOR REGISTRATION CONTACT:

Mr. Siddheshwar V. Patil - 9975646421  
Mr. Milind. S. Wadagave - 96654 07252

## FDP VENUE:

Department of Computer Science & Engineering,  
D. Y. Patil College of Engineering and  
Technology, Kasaba Bawada, Kolhapur,  
416301 (Maharashtra)  
(An Autonomous Institute)  
(NAAC 'A' Grade Institute - NBA Accredited Courses)

ONE WEEK  
FACULTY DEVELOPMENT PROGRAM  
ON

## INTERNET OF THINGS, AUGMENTED REALITY AND VIRTUAL REALITY

(2<sup>nd</sup> January to 6<sup>th</sup> January 2023)



D Y PATIL  
COLLEGE OF  
ENGINEERING & TECHNOLOGY  
(AN AUTONOMOUS INSTITUTE)  
KASABA BAWADA, KOLHAPUR



INSTITUTION'S  
INNOVATION  
COUNCIL  
(Ministry of HRD Initiative)

## Organized by

Institution Innovation Council (IIC) and  
Department of Computer Science & Engineering

D. Y. Patil College of Engineering and Technology,  
Kasaba Bawada, Kolhapur  
(An Autonomous Institute)

(NAAC 'A' Grade Institute - NBA Accredited Courses)  
in collaboration with

Lead College Activity Scheme,  
Shivaji University, Kolhapur



## ABOUT DYPCET

D. Y. Patil College of Engineering & Technology, Kasaba Bawada, Kolhapur is a self-financing Autonomous Institute established in the year 1984 under the visionary leadership of Padmashree Dr. D. Y. Patil, Former Governor of Tripura, Bihar and West Bengal. UGC, New Delhi and Shivaji University, Kolhapur has conferred Autonomous status to the Institute in 2020. The Institution is approved by All India Council for Technical Education (AICTE), New Delhi, and Government of Maharashtra and affiliated to Shivaji University, Kolhapur. The Institute is accredited by National Assessment and Accreditation Council (NAAC), Bangalore with 'A' grade (CGPA-3.08). The Institute is offering quality technical education for the past 38 years. The Institute offers eight UG programmes and two PG programmes. Two departments of this Institution are recognized as research centers by Shivaji University, Kolhapur for promoting research culture in the Institute. Architecture department of the Institute is ranked amongst the top 13 Architecture Colleges in India by Outlook India and ranked 21st by India Today in 2021. Three UG programmes viz., B. Tech (Computer Science and Engineering), B. Tech. (Electronics & Telecommunication Engineering) and B. Tech. (Mechanical Engineering) are re-accredited by National Board of Accreditation (NBA), New Delhi for a period of three years from 2022 to 2025 (<https://coek.dypgroup.edu.in/>)

## WHO CAN ATTEND

- Academicians from all possible streams
- Research Scholars (PG, Ph. D.)
- Professionals from Industries, Research & Development and Scientists etc.

## ABOUT FDP

IOT, Augmented and Virtual Reality is a rapidly evolving field, ready to take on the world in unimaginable ways. It is bound to create an all-pervasive and highly immersive experience, spreading its tentacles in all possible domains, in all possible ways — be it teaching, learning, driving, flying an aircraft, touristic activities, maintenance of machines, or in any field. AR/VR enhance the real-world environment where the objects residing in the real world are augmented by computer-generated perceptual information and where a make-belief world is created when none exists in physical form, depending upon its requirement and purpose.

## FDP SCHEDULE

Day & Date	Session Content
2 <sup>nd</sup> January 2023 (Monday)	Start with Augmented Reality
	Introduction To AR, Theory of Virtual Buttons
	AR Vs. VR, Real Time AR with IoT product
3 <sup>rd</sup> January 2023 (Tuesday)	Real-Time Examples of AR, UI & Navigation in 3D
	Barberian Model, Database in Unity
	Introduction to Unity 3D with reference to Augmented Reality
4 <sup>th</sup> January 2023 (Wednesday)	Introduction to Vuforia Engine, AR with IoT
	Integrating Vuforia Engine into Unity 3D, Image Theory, Importing Assets
	Selecting Models, Applying Animation, Ground Detection
5 <sup>th</sup> January 2023 (Thursday)	VR Environment Design, Controlling devices over cloud
	Introduction to lens studio Application
	3D objects Handling, Game Physics, Hands-on Sessions
6 <sup>th</sup> January 2023 (Friday)	Theory of Filters, Snapchat Filters, Instagram Filters
	AI in Games, Oculus Quest-2 (Advance Version), Hands-on Sessions

## RESOURCE PROFESSIONALS

- Rahul Gupta, Managing Director, The Intellect Technologies
- Aditya Vyavahare, Research and Development Engineer
- Manish Jadhav, Unity Developer
- Abhijeet Kudache, Android and Unity Developer

### Equipments Involved:

Android Device, IOS Device, IoT Kit, VR box, Lens Studio, Arduino

### Softwares Involved:

Unity 3D, Android SDK, Visual Studio Code, Vuforia Engine.

## PATRONS

**Hon'ble Dr. D. Y Patil**  
Founder, DYP Group

**Hon'ble Dr. Sanjay D. Patil**  
President, DYP Group

**Hon'ble Shri. Satej D. Patil**  
Vice-President, DYP Group

**Hon'ble Shri. Raturaj S. Patil**  
Trustee, DYP Group

**Hon'ble Shri. Pruthviraj S. Patil**  
Trustee, DYP Group

**Prof. Dr. A. K. Gupta**  
Executive Director, DYP Group

**Prof. Dr. S. D. Chede**  
Principal, DYPCET

**Prof. Dr. G. A. Patil**  
Dean Academics, DYPCET

**Prof. Dr. L. V. Malade**  
Registrar, DYPCET

## ORGANISING COMMITTEE

<b>Ms. R. J. Dhanal</b>	I/C HOD CSE
<b>Dr. J.D. Jadhav</b>	I/C HOD Data Science
<b>Mrs. S. S. Kokate</b>	I/C HOD AIML
<b>Dr. P. R. Jagtap</b>	IIC President
<b>Mr. S. V. Patil</b>	FDP Co-ordinator
<b>Ms. S. B. Patil</b>	Assistant Professor
<b>Mrs. R. S. Jadhav</b>	Assistant Professor
<b>Mr. O. A. Terdalkar</b>	Assistant Professor
<b>Mrs. S. S. Killikatt</b>	Assistant Professor
<b>Dr. V. I. Pujari</b>	Assistant Professor
<b>Mr. M. S. Wadagave</b>	Assistant Professor
<b>Mr. N. M. Shinde</b>	Assistant Professor
<b>Mrs. P. S. Gholap</b>	Assistant Professor