

PROGRAM SCHEDULE

DAY 1

09.00-10.00 am : Registration & Inauguration
10.00-11.30 am : Session - I
11.30-01.00 pm : Session - II
01.00-02.00 pm : Lunch Break
02.00-03.30 pm : Session - III
03.30-05.00 pm : Session - IV
05.15-07.00 pm : Laboratory

DAY - 2 & 3

09.00-10.30 am : Session - I
10.30-12.00 pm : Session - II
12.00-01.30 pm : Session - III
01.30-02.30 pm : Lunch Break
02.30-04.00 pm : Session - IV
04.00-05.30 pm : Session - V
05.30-07.00 pm : Laboratory

DAY - 4

09.00-10.30 am : Session - I
10.30-12.00 pm : Session - II
12.00-01.30 pm : Session - III
01.30-02.30 pm : Lunch Break
02.30-04.00 pm : Session - IV
04.00-05.30 pm : Session - V
05.30 pm onwards : Valedictory Ceremony

REGISTRATION DETAILS

1. Registration Fees Rs. 1200/- for faculty members & Industry delegates.
2. Registration Fees Rs. 800/- for M.Tech Students.
3. Upto 10 Nos. of OITS life members which will be subsidised by 50% of Registration fees. For this they are required to apply by email to **Prof. S. Padhy, President OITS** email id : **spadhy04@yahoo.co.in**

N.B. : The fees should be paid in form of DD in favour of "ORISSA COMPUTER ACADEMY", payable at Bhubaneswar. In case of more than one member xerox copy of registration form can be used.

ACCOMMODATION

A good number of hotels are available in the city in the range of **Rs. 500/- to Rs. 700/-** per day (Twin bed facility). The organising committee can arrange the confirmed accommodation for the participants on request accompanied by an advance amount of Rs. 2000/- in the form of D.D. in favour of "**Orissa Computer Academy**" payable at Bhubaneswar. To and fro journey expenditure will be born by the participants.

Site Seeing of Bhubaneswar, Puri and Konark can be arranged for the participants (more than 10) on payment basis.

CONTACT

email : events.oca@gmail.com
Mr. Bikash Chandra Pattanaik
Mob. : 093373 02901
Mr. Satya Ranjan Mohapatra
Mob. : 094376 36675

CONVENOR

Dr. R.K. Malu, Principal, OCA

ORGANISING COMMITTEE

1.

Workshop on COMPUTER GRAPHICS & MULTIMEDIA (With OpenGL Programming)



Organised by:

ORISSA COMPUTER ACADEMY
&
DEPARTMENT OF CSE & IT,
KRUPAJAL ENGINEERING COLLEGE

In Collaboration with :
Orissa Information Technology Society
(OITS)

ORISSA COMPUTER ACADEMY

Pubasasan, Kauasalyaganga, Bhubaneswar - 2

☎ : 0674-2465128, 2465570

website : www.krupajalgroup.org

ORISSA COMPUTER ACADEMY (OCA)

established in the year 1995, which started with its flagship program - MCA (full time). It rose to the occasion and appeared on the horizon of computer education as a boom to the young and aspiring computer professionals. Since its inception, in keeping with excellent academic tradition in the state of Orissa, contributed over 800 software engineers who have excelled in the field of expertise. Being a part of Krupajal Group, OCA is able to draw the excellent interdisciplinary faculty and various infrastructure facilities.

KRUPAJAL ENGINEERING COLLEGE (KEC)

With an aim to develop highly skilled engineers, fully prepared for the requirements and challenges of engineering professional in 21st Century has been established in the year 1999. Constantly evolving, it is now among the premier engineering Colleges in the state of Orissa and offers learning programmes in most of the traditional and emerging disciplines.

Our computer science and engineering department is prepared to meet the challenges and is playing a leadership role in shaping the education of the 21st Century by providing unique educational and research opportunity in the forefront of computer engineering and application.

OBJECTIVES OF THE WORKSHOP

Computer Graphics offers a very powerful tool to simulate environments and situations in the virtual domains. This has resulted in becoming indispensable in a variety of areas of human activity. Computer Graphics is a very appealing field of study. We can learn to write programs that create and manipulate pictures rather than

strings of text and numbers. Since our eye-brain system is highly attuned to recognising visual pattern, Computer Graphics is used in diverse areas as engineering, medicine, business, industry, art, entertainment, advertisement, education, training etc. Now a days we have machines attending Tera-flop processing speeds but manipulating pictorial data is still a challenge for the IT professionals.

The objectives of the workshop is to

1. Prepare the faculty for teaching efficiently the computer graphics course at MCA and B.Tech levels.
2. Expose the professionals for building a virtual environment and situation using computer graphics, animation and multimedia.
3. Encourage the research people to adopt computer graphics as an area of exploration.

COURSE CONTENTS

- Introduction, Line and Circle drawing algorithms, Clipping (Line and Polygon).
- 2-Dimensional & 3-Dimensional Geometric Transformation.
- 2-Dimensional & 3-Dimensional Viewing, Projections.
- Bezier Curves & Surfaces, B-Spline Curves and Surfaces.
- Fractal Geometric Methods.
- Visible Surface Detection Methods.
- Illumination and Rendering Methods.
- Animation Methods.

- Multimedia Systems.
(Speech, Audio, Images & Video)
- Multimedia Communication.

LABORATORY

Implementation Using OpenGL.

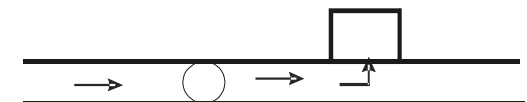
EXPERTS

1. **Dr. Dipti Prasad Mukherjee**, Professor, Indian Statistical Institute (ISI), Kolkata
2. **Dr. B.P.Acharya**, Professor (Retd.), Utkal University.
3. **Dr. S. Padhy**, Professor, Utkal University.
4. **Dr. A.K. Bisoi**, Professor & Head, Department of Computer Application (U.U.)
5. **Dr. Jibitesh Mishra**, Professor, CET, BPUT
6. **Dr. P.K. Jena**, Reader (Retd.)
7. **Mr. Satyananda Champati Ray**, SIT, Bhubaneswar

ABOUT OITS

Orissa information Technology Society (OITS) was established in the year 1997 in the state of Orissa with the noble thought of bringing information Technology to grass root level of the state. Since its inception it has proved its substance by organizing many workshops and other development programs in the field of IT.

SKETCH MAP



Workshop on **COMPUTER GRAPHICS & MULTIMEDIA**

Registration Form :

1. Name _____
2. Discipline _____
3. Name of the Institute _____

4. Mailing Address _____

5. Contact No. _____
6. E-mail _____
7. Sponsoring Authority _____
8. **Registration Details :**
Amount Rs. _____
Drawn on Bank _____
Date _____
9. Kindly register me as a participant.

Place :

Date :

Signature of the Applicant

To be sent to :

The Convenor
Workshop on Graphics & Multimedia
ORISSA COMPUTER ACADEMY
Pubasasan, Kauasalyaganga, Bhubaneswar - 2
☎ : 0674-2465128, 2465570
email : events.oca@gmail.com

Note : In case more than one participants, please use
photocopy of the enrolment form.