



# **St. JOSEPH'S COLLEGE OF ENGINEERING**

(A Christian Minority Institution)

## **ADDITIONAL COURSE**

**2014-2015**

**OMR ROAD, CHENNAI-119**

**TAMIL NADU, INDIA**

**PHONE: 044 - 2450 1060, 044 - 2450 1449**

**FAX : 044 - 2450 0861**

**E-MAIL: JPRJOSEPHS@STJOSEPHS.AC.IN**

**WEBSITE: WWW.STJOSEPHS.AC.IN**

## **ADDITIONAL COURSES**

Skills and knowledge inculcated beyond curriculum education is necessary to succeed in today's world. Our college believes in nurturing the students into a wholesome professional and hence our students are encouraged to undergo Additional Courses and attend workshops. These courses develop in them an urge to keep them updated on the latest trends and improves their technical skills further.

These courses offer our students an edge over the others and have the following advantages:

- ❖ *Enhances learning skills, technical knowledge, creativity and ability to innovate.*
- ❖ *Exposure to recent trends in the core field augmenting the employability of the students.*
- ❖ *Ability to compete with students at a global level.*
- ❖ *Enables students to learn and understand the use of modern research tools.*

Keeping in mind the recent trends and to make sure that our students are technically stronger, these additional courses are made mandatory for all the students in the fourth and sixth semester.

It will be a - **54 hour (6 days)** program, for which the students will be charged nominally based on the course opted for. These students are divided into batches of 30 for better learning. In the academic year 2016-2017 a total of **6476** students have benefited from these courses.

# **St. JOSEPH'S COLLEGE OF ENGINEERING**

(A Christian Minority Institution)



Year :2014-2015

**OMR ROAD , CHENNAI-119**

**TAMIL NADU, INDIA**

**PHONE: 044 - 2450 1060, 044 - 2450 1449**

**FAX : 044 - 2450 0861**

**E-MAIL: JPRJOSEPHS@STJOSEPHS.AC.IN**

**WEBSITE: WWW.STJOSEPHS.AC.IN**

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Sl No	Name of the Course	Year	Organization / Institute	Course Duration	Date Conducted	No of Students Attended	Course Objective
1.	JAVA	II	Stigmata Solutions, EyeopenTechnologies, Digiterati and Silicon software services	7 Days	09.2.2015 to 15.2.2015	193	Ability to use the Java JDK environment to create, debug and run Java programs.
2.	.NET		Digiterati	7 Days		6	Technologies (CLR), .NET framework classes, C#, ASP.NET, and ADO.NET.,ASP.NET standard controls,ASP.NET Validation Controls and AJAX
3.	C and C++		EyeopenTechnologies	7 Days		9	To build good C/C++ programs.
4.	.NET	III	EyeopenTechnologies, Digiterati	7 Days	23-2-2015 to 1-3-2015	118	Technologies include the Common Language Runtime (CLR), .NET framework classes, C#, ASP.NET, and ADO.NET.,ASP.NET
5.	Android Application Development	III	Stigmata Solutions	7 Days	23-2-2015 to 1-3-2015	31	To understand Android applications.

## COMPANY PROFILE

### DIGITERATI

Digiterati was started in 1991 as India's first IT Finishing School for Information Technology at Chennai. Digiterati is Chennai's largest corporate training center with a unique distinction of training more than 1500 graduates on a single day simultaneously for India's top IT companies, like HCL TCS CTS Scope International Wipro Tech Mahindra Ford etc.

Digiterati uses a unique learning platform called TestOut to provide access to repeated practice to students. Digiterati conducts essential employability skills in Information technology at campuses readying them for placement.

## SILICON SOFTWARE SOLUTIONS



Silicon Software Solutions is a rapidly growing custom development and software company in beautiful Rajkot, Gujarat, India. We specialize in the development of custom software applications, GIS Services & Data Entry Projects. Our company carries out custom programming, database design, client-server and internet/intranet software application development. Over the years we have managed to build a solid team of software development professionals that come from various backgrounds and expand the creative potential of the company.

## STIGMATA TECHNO SOLUTIONS



Stigmata

Techno Solutions is a research technical consultant of few leading engineering colleges providing effective solutions for social problems. Stigmata Techno Solutions is promoted by a team of young professionals having vast experience in different domains. Stigmata team members are well qualified and experienced, also having very good recognition in the industry. Provide unique features that are unmatched in the industry.



VISYS

VISYS is one of the leading service providers that distinguish itself through its reliable and cost-effective service, end-to-end solution, extensive network of industry and powerful insight into the world's most dynamic market. It offers diverse portfolio of services covering Content Development, Corporate TRAINING, Recruitment, Business Consultation and Outsourcing. VISYS has a team of experts with more than 20 years of rich and real-time experience in the field of IT and Education.

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Sl. No	Name of the Course	Year	Organization / Institute	Course Duration	Date Conducted	No. of students attended	Course Objective
1	Real time Embedded system	III	Chipthing lab	6 DAYS	9.2.2015 to 14.2.2015	174	To gain practical knowledge in Embedded systems
2	C, C++	II	Eye open, Digiterati	6 DAYS	16.2.2015 to 22.2.2015	220	To improve Programming skill

## COMPANY PROFILE

**Chipthing Labs** is an innovative embedded system product design company located at Chennai, India. It has got more than 20 years of combined design experience in providing hardware and firmware solutions in the embedded systems space. They value creativity and innovation as the most important skill sets in our arsenal.



Eyeopen Technologies is a company which has defined a unique IT services & Training model to accommodate the needs of small, medium, large organizations and academic institutions which supports them in bringing the service level up while driving the cost down. Eyeopen leverage the most advanced learning technologies to develop best quality education and services that delivers measurable results.

### DIGITERATI

Digiterati was started in 1991 as India's first IT Finishing School for information Technology at Chennai. Digiterati conducts essential employability skills in Information technology at campuses readying them for placement.

## DEPARTMENT OF MECHANICAL ENGINEERING

---

Sl No	Name of the Course	Year	Organization / Institute	Course Duration	Date Conducted	No of Students Attended	Course Objective
1.	Octave Software for Engineering Applications”	III	EdX-Engine	64	06-03-2015 to 04-04-2015	29	Utilization Of Matlab In Scientific Study And Computational Fluid Dynamics
2.	“FEA-Theory and Practical Applications using LISA-FEA Package”	III	Pro- CAE	30	09-03-2015 to 13/03/2015	60	Finite element analysis commercially available LISA FEA software
3.	“New Product Development in CNC Machining”	III	Kriatek services	64	02-03-2015 to 13-03-2015	54	Visual inspection of cutting tool and creation of coding using Edge cam
4.	C, C++ Programming	II	Digiterati, Eyeopen Technologies	42	17-03-2015 to 23-03-15	238	Basics of computer coding in C and C++ language

# COMPANY PROFILE



Digiterati was started in 1991 as India's first IT Finishing School for Information Technology at Chennai. Digiterati is Chennai's largest corporate training centre with a unique distinction of training more than 1500 graduates on a single day simultaneously for India's top IT companies, like HCL TCS CTS Scope International Wipro Tech Mahindra Ford etc.



Eyeopen Technologies is a company which has defined a unique IT services & Training model to accommodate the needs of small, medium, large organizations and academic institutions which supports them in bringing the service level up while driving the cost down.

Eyeopen leverage the most advanced learning technologies to develop best quality education and services that delivers measurable results. Eyeopen team has vast years of experienced IT industry veterans with domain expertise to bring the best educational resources to diverse audiences.



At EdXengine, we are delivering education by leveraging technology to equip students with the technical skills they achieve and enhance their skill set to work on par with excellence.

The proposed additional program will help students simulate and solve Mechanical Engineering concepts using Octave/Matlab programming language. This course is designed such that, students learn the basic operators, functionalities of the language through solving a problem. This equips them with a skill set that allows to solve complex problems at a faster rate.





Kriatec Services (P) Limited established by Top Notching Industry Professionals to make the Cost Saving Techniques and Benefits available to the Industries through Software Products, Cutting Tools and Consultancy Services in CNC Machining Application. Kriatec Services understood the need for seamless integration between Virtual CNC Machining Software – Edgecam, U.K, Cutting Tools, Fixture / Gauge Design and Readymade Trained Engineers availability for immediate employment. Kriatec Services (P) Ltd offers Industry Based Training Program to Educational Institutes for Readymade Engineers availability to the Industry.



ProCAE is to offer a training curriculum that improves the productivity of our students. The objective is to deliver an excellent source of information that is both easy to use and applicable to real life problems. ProCAE – is a training division of HEXDOF Engineering Services Pvt Ltd. ProCAE is an Authorized Training Centre of ALTAIR Hyper works (Hypermesh).

The courses range from an Introduction to Finite Element Analysis (FEA), Hypermesh, CFD, and Multi Body Dynamics to advanced topics using the ANSYS suite of tools. The objective is to deliver an excellent source of information that is both easy to use and applicable to real life problems. The Design and Analysis services offered are in the area of verticals like Automotive, Aerospace, Heavy Engineering, Power, Process, Turbo machinery, Home appliances and Medical equipment's.

## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

---

Sl No	Name of the Course	Year	Organization / Institute	Course Duration	Date Conducted	No of Students Attended	Course Objective
1.	PCB Design & Fabrication	II & III	InSysTronics Technologies	1 Day	01.10.2014	27 & 42	To Learn PCB layout design for SMD (Surface mount devices) components.
2.	Solar photovoltaic system design, Installation & Maintenance	III	Renewable Energy Research Foundation	4 Days	11.02.2015 to 14.02.2015, 20.02.2015, 21.02.2015, 23.02.2015 & 24.02.2015	146	To plan and execute an integrated programme on development and implementation of renewable energy projects
3.	C,C++	II	Digeterati, Eye opener	7 Days	08.02.2015 to 14.02.2015	142	To get well verse in basic programming languages.

## DEPARTMENT OF BIOTECHNOLOGY TECHNOLOGY

Sl No	Name of the Course	Year/ Degree	Organization / Institute	Course Duration	Date Conducted	No of Students Attended	Course Objective
1.	Animal Handling Techniques	I/M.Tech	KMS Health Centre Pvt. Ltd, Chennai	1 day	30, March 2015	11	To gain experience on Animal handling techniques
2.	Hazard Analysis and Critical Control Points (HACCP) principles in Food Safety Management System	III/B.Tech	National Institute Of Standards and Technology (NIST) Institute Private Limited, Chennai	2 days	26-27th February 2015	51	To acquire knowledge about quality control and quality assurance in food processing
3.	C and C++ Programming	II/B.Tech	EyeOpen Technologies, Chennai	7 days	23, February to 1, March 2015	32	To learn the basics of C and C++ language
4.	C and C++ Programming	II/B.Tech	Digiterti, Chennai's Largest Corporate Training Centre, Chennai	7 days	23, February to 1, March 2015	32	To learn the basics of C and C++ language
5.	Hands on training with various facilities at CNST	II/M.Tech	Centre for Nano Science and Technology, Anna University, Chennai	1 day	16, July 2014	9	To acquire knowlegde on Nano Science Technology

# COMPANY PROFILE



**KMS health center Pvt.Ltd.** an **ISO certified company** (ISO 9001:2008; ISO 13485:2003; ISOIEC 17025:2005) established in 2011 at Chennai, Tamilnadu, India . KMS a specialty Research firm; have two divisions- **KMS Pharma and KMS Bio-Tech. KMS Bio-Tech** has two wing biopharmaceutical & stem cell research, stem cell research a premium service center with a dual aim of servicing the stem cell processing requirements of hospitals and health care industry and providing leadership in stem cell research and development. Consistency and innovations are our goal. Biopharmaceuticals department is proficient in developing the generic alternatives to off-patent biologics, most commonly known as biosimilars. A fully integrated biosimilar development team includes R&D, clinical operations, medical affairs and global regulation. KMS offer specialist services to global biosimilar players in developing, purification & analysis of biologics/biosimilars.KMS Pharma, Research & Development firm, KMS R&D programs commence from lead generation to clinical trials. Our multi-disciplinary skills include integrated drug discovery and development capabilities in formulation and analytical development, preclinical, clinical pharmacology , and technology transfer.



NIST INSTITUTE PVT. LTD was founded in 2008. They are an ISO 9001:2008 Company (TUV SUD) certified and accredited Health, Safety and Environment (HSE) organization who predominantly qualify safety professionals and confer companies with HSEQ (Health Safety Environment Quality) standards. In order to bring the consciousness and importance of HSE among the professionals, they came forward to deliver various international accredited training courses.they hold a prominent reputation in our field with our ability to deliver high-quality services with better value additions and it is which unremittingly motivates them to qualify the students through innovation and to grow along with them in creativity, quality, productivity and set exemplary ethicalvalues. In industries where innovation occurs with technologies and

process in a persistent and changing pace, they value endurance and perseverance as high as adaptability to provide safety solutions.



Eyeopen Technologies is a company which has defined a unique IT services & Training model to accommodate the needs of small, medium, large organizations and academic institutions which supports them in bringing the service level up while driving the cost down. We at Eyeopen leverage the most advanced learning technologies to develop best quality education and services that delivers measurable results. The course topics in C language includes Introduction to problem solving and programming languages Arrays and strings, Functions, Structures and unions, Files and Pre-processor directives and Pointers. The course topics in C++ includes Introduction to OOPS, C++ Basics – Keywords, Variable Declaration, Operators and Datatypes, Arrays and Functions, Control flow statements, Constructors and destructors, Functions and operator overloading, Inheritance and pointers, Virtual function and polymorphism, IOStream String and Linking Concepts, Exception Handling, RTTI and Windows Programming Basics and Design patterns.



The Centre for Nanoscience and Technology was established at Anna University in 2005. The centre has been actively pursuing research in various aspects of Nanoscience and Technology including Chemical, Mechanical and Bio Synthesis of nanomaterials like semiconductor nanostructures, nanocrystalline thin films, carbon nanotubes and nanofibres, metallic nanoadhesives, polymer based nanocomposites, nanostructured ferroic materials, etc. The centre has been periodically conducting seminars, workshops and training programs in Nanoscience and Technology. , Scanning Electron Microscope, Particle Size Analyser.

## DEPARTMENT OF CHEMICAL ENGINEERING

---

Sl No	Name of the Course	Year	Organization / Institute	Course Duration	Date Conducted	No of Students Attended	Course Objective
1.	ASPEN HYSYS	III	Chemsys Process Engineering (P) Ltd.	4 days	09-02-2015 to 13-02-2015	43	To learn Aspen Hysys in chemical process industries
2.	C LANGUAGE	III	IIT, Bombay	1 Day	13/08/2014	46	To enhance the programming aspects in C/C++.
3.	C/C++ course	II	Eye open Technologies and Digiterati	6 days	09-02-2015 to 15-02-2015	70	To facilitate the fundamentals of structured and Object Oriented programming concepts



**Chemsys**

## COMPANY PROFILE

Chemsys was established by a team of professional engineers in 2008 & is the abbreviated form of chemical process systems. At Chemsys we provide complete engineering design solution for oil & gas, hydrocarbons and chemical industry from concept till completion as well as carry out training activities.

Chemsys is a multi-disciplinary design and engineering company led by team of expert professional's having rich industrial and design experience. Because of our strong experienced, efficient and qualified team within the span of just 9 years Chemsys executed more than 50+ Engineering Projects across the globe.

We are equipped with the Aspen Plus & Aspen HYSYS Simulation software that optimizes process manufacturing for oil & Gas, Petrochemicals, Chemicals, pharmaceuticals, engineering and construction, and other industries that manufacture and produce products from a chemical process.



Eyeopen Technologies is a company which has defined a unique IT services & Training model to accommodate the needs of small, medium, large organizations and academic institutions which supports them in bringing the service level up while driving the cost down. We at Eyeopen leverage the most advanced learning technologies to develop best quality education and services that delivers measurable results.

## DEPARTMENT OF INFORMATION TECHNOLOGY

Sl No	Name of the Course	Year	Organization / Institute	Course Duration	Date Conducted	No of Students Attended	Course Objective
1.	.NET, J2EE	III	Digeterati (corporate training center)	6 Days	23-02-2015 to 01-03-2015	121	To learn advanced java concepts in web service development.
2.	JAVA language	II	Digeterati, Silicon software solution, Eye open Technologies, Stigmata (corporate training center)	6 Days	09-02-2015 to 15-02-2015	50	To skilled in basics of server side applications.

## COMPANY PROFILE

### DIGITERATI

Digiterati was started in 1991 as India's first IT Finishing School for Information Technology at Chennai. Digiterati is Chennai's largest corporate training center with a unique distinction of training more than 1500 graduates on a single day simultaneously for India's top IT companies, like HCL TCS CTS Scope International Wipro Tech Mahindra Ford etc.

### SILICON SOFTWARE SOLUTIONS



Silicon Software Solutions is a rapidly growing custom development and software company in beautiful Rajkot, Gujarat, India. We specialize in the development of custom software



applications, GIS Services & Data Entry Projects, our company carries out custom programming, database design, client-server and internet/intranet software application development. Over the years we have managed to build a solid team of software development professionals that come from various backgrounds and expand the creative potential of the company.

The expertise that they possess embraces a wide range of custom programming skills involving the latest and most effective development technologies, such as .NET (ASP.NET, C#, VB.NET), XML and the quality and reliability of the custom software applications that we develop.

## **STIGMATA TECHNO SOLUTIONS**



Stigmata Techno Solutions is a research technical consultant of few leading engineering colleges providing effective solutions for social problems. Stigmata Techno Solutions is promoted by a team of young professionals having vast experience in different domains. Stigmata team members are well qualified and experienced, also having very good recognition in the industry. Provide unique features that are unmatched in the industry.

Stigmata Techno Solutions is one of the leading development services. Stigmata Techno Solutions LLP is a global service provider of information technology, website designing & development, HR placement center, Research and Training & Development which was started in the year 2010 as Input Output Solutions. This is a mobile application development company having an expertise team strictly dedicated to conceptualize, deliver, and support mobile media solutions for start-ups and leading organizations.

## **VISYS**



VISYS is one of the leading service providers that distinguish itself through its reliable and cost-effective service, end-to-end solution, extensive network of industry and powerful insight into the world's most dynamic market. It offers diverse portfolio of services covering Content Development, Corporate Training, Recruitment, Business Consultation and Outsourcing.

## DEPARTMENT OF MASTER OF COMPUTER APPLICATION

Sl No	Name of the Course	Year	Organization / Institute	Course Duration	Date Conducted	No of Students Attended	Course Objective
1.	.NET	II	Silicon software solutions	6 Days	16-02-2015 to 22-02-2015	49	To develop essential skills in writing code for web application development
2.	J2EE	II	StigmataTechno solutions (corporate training center)	6 Days	16-02-2015 to 22-02-2015	34	To learn about cross-platform capabilities and security features, that provides worldwide Internet solutions.

## COMPANY PROFILE

### SILICON SOFTWARE SOLUTIONS



Silicon Software Solutions is a rapidly growing custom development and software company in beautiful Rajkot, Gujarat, India. We specialize in the development of custom software applications, GIS Services & Data Entry Projects. Our company carries out custom programming, databas design, client-server and internet/intranet software application development. Over the years we have managed to build a solid team of software development professionals that come from various backgrounds and expand the creative potential of the company. The expertise that they possess embraces a wide range of custom programming skills involving the latest and most effective development technologies.