ST MARYS INTEGRATED CAMPUS

DEPARTMENT
OF
COMPUTER SCIENCE AND ENGINEERING

Information Brochure

Program Educational Objectives (PEOs)

PEO1 : Graduate will establish himself/herself as effective professionals by solving real world problems using investigative and analytical skills along with the knowledge acquired in the field of Computer Science and Engineering.

PEO2 : Graduate will demonstrate his/her ability to adapt to rapidly changing environment in advanced areas of Computer Science and scale new height in their profession through lifelong learning.

PEO3 : Graduate will prove his/her ability to work and communicate effectively as a team member and /or leader to complete the task with minimal resources, meeting deadlines.

PEO4 : Graduate will embrace professional code of ethics in the profession while deliberately being part of projects which contributes to the society at large without disturbing the ecological balance.

Program Outcomes (POs)

PO1 : Engineering Knowledge: Apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.

PO2 : Problem Analysis: Identify, formulate, research literature and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.

PO3 : Design/ Development of Solutions: Design solutions for complex engineering problems and design system components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal and environmental considerations.

PO4 : Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data and synthesis of information to provide valid conclusions.

PO5 : Modern Tool Usage: Create, select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO6 : The Engineer and Society: Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional engineering practice.

PO7 : Environment and Sustainability: Understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate knowledge of and need for sustainable development.

PO8 : Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice.

PO9 : Individual and Team Work: Function effectively as an individual, and as a member or leader in diverse teams and in multi-disciplinary settings.

PO10 : Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations and give and receive clear instructions.

PO11 : Project Management and Finance: Demonstrate knowledge and understanding of engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12 : Life-long Learning: Recognize the need for and have the preparation and ability to Engage in independent and life- long learning in the broadest context of technological Change.

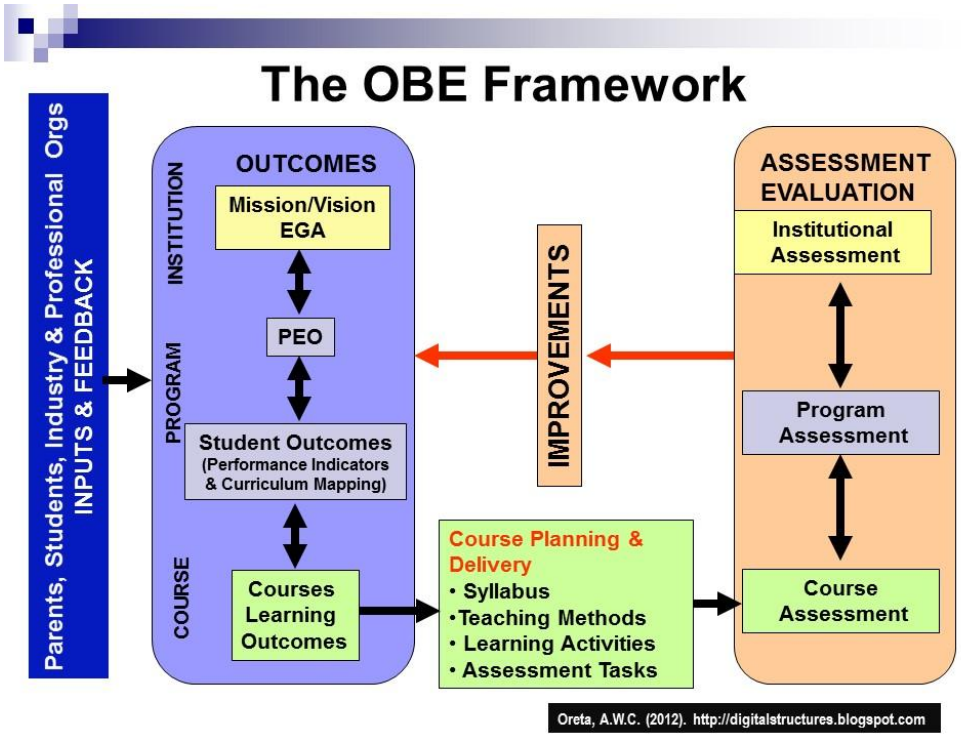
Program Specific Outcomes (PSO's)

PSO1 : To collect requirements, analyze, design, implement and test software Systems.

PSO2 : To analyze the errors and debug them accordingly.

SMICH CSE Department

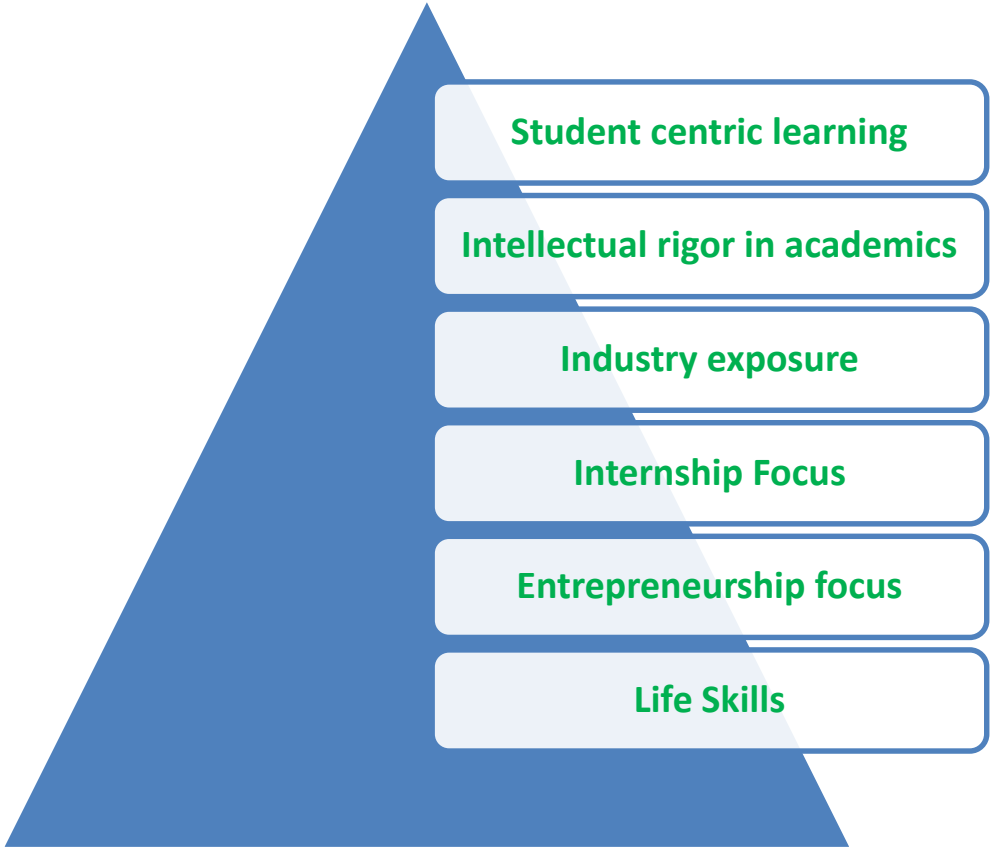
Our Teaching Pedagogy



Demo Based Learning
Experimental Learning

Self Learning activities
beyond class room

Key Dimensions



DEPARTMENT CORE ASSESTS

- Well established infrastructure •

  Llaboratories with high end configured systems which meets laboratory curriculum needs as well as research needs •

  Self motivated, practical thinking and well trained, certified faculty
- Student centric learning approach •

  Active R & D centers across various computing domains •

  Continuous mentoring and monitoring students progress •

  Internship opportunities to students •

  Placement preparation right from second year •

  Workshops on cutting edge technologies
- Online and offline student assessment

Industry Interaction / MOU's /Academic Collaboration programs

NEN

HP Training Center

IBM SOFTWARE Centre of Excellence

TATA CONSULTANCY SERVICES Experience certainty.

SAP®

Infosys® POWERED BY INTELLECT DRIVEN BY VALUES

Tech Mahindra IT Services and Telecom Solutions

CISCO Networking Academy

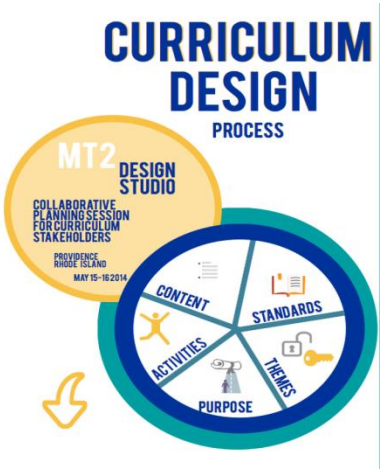
Sun ORACLE

IUCEE Indo Universal Collaboration for Engineering Education

salesforce

intel®

Creators @ Computer science & engg.



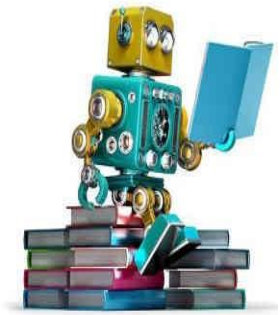
Focus on Skills, Student centric Learning and entrepreneurial mindset

Curriculum designed by Industry and International Experts with cutting edge topics and latest Pedagogy

Best faculty with strong research in futuristic areas of computer science, engineering and technology

→ **With Activity Based and student centric Learning**

Faculty Research Centers



Artificial intelligence and machine learning

Cloud computing

Computer Networks and security

Image and Video Processing

Software engineering

Data Science

Student Training Programs

- Training on Cisco Networking Certification
- Training on SAP platform
- Training on Sales force
- DELL training
- ICT Academy training
- Training on image processing techniques

CSE Students@ SMICH Secured Internships

amazon

opentext™
The Information Company

ALLTECHMEDIA

ivy comptech

BERKADIA®

hostanalytics

ggk tech
Delivering Commitments

liquidhub
consulting • solutions • outsourcing

Recruiters


TATA
Infosys
CSC
Mahindra Satyam
Tech Mahindra
SYNTEL
Consider IT Done
REDPINE SIGNALS
ADP
BOSCH
Invented for life
CONVERGYS
Broadridge
Accurate | Dependable | Efficient
MPHASIS
Virtusa
Apps Associates
Extreme Expertise
TATA ELXSI
Engineering Creativity
VOLVO
Vijay
sasken
Mold-Tech
Automotive Robotics
INTERGRAPH
IVRCL
IVRCL Infrastructures & Projects Ltd.
VisionTek
AMW
THE GLOBAL TRUCK
AXIS-IT&T
SHOPPER'S STOP
Infotech
Creating Business Impact
GENPACT
MAVERIC
independent testing
INIZER TECHNOLOGIES
Zeta Technologies
Consolidated Construction Consortium Ltd
VENTURE INFOTEK
Sapient
GEOMETRICS
Innovation • Experience • Results
SlashSupport
POWER MECH PROJECTS LTD
Rofous
KARVY
Deloitte.
Vijai Electricals Ltd.
General Electrics
NESS
MEDHA
QUEST
WIPRO
Applying Thought
SONATA
TRANSFORM
Honeywell

Placements-some of premium packages

sno	Company name	package
1	Amazon	16lakhs
2	Ivy comptech	8 lakhs
3	Berkadia	6.78 lakhs
4	NCR	5.5 laksh
5	OPEN TEXT	5.2 lakhs
6	salesforce	5 lakhs
7	State street	5 lakhs
8	GGK Tech	4 lakhs
9	UHG	3.6 lakhs

SMICH R & D CENTERS

- **Center for Data Science**
- **Center for Image processing**
- **Center for Network Security**
- **Center for Open source technologies**
- **Center for cloud computing**
- **Center for Software Engineering**
- **Center for Mobile Application Development**