

SRI DURGA MALLESWARA SIDDHARTHA MAHILA KALASALA

An Autonomous college in the jurisdiction of Krishna University, Vijayawada
Reaccredited at 'A++' by NAAC, A College with Potential for Excellence

Sponsored by: Siddhartha Academy of General and Technical Education, Vijayawada, AP, India, PIN:520010

AICTE Training and Learning (ATAL) Academy

One Week Faculty Development Program

Implementing Cybersecurity and IoT in AI: Recent Trends

Organized By Department of Computer Science

9th - 14th September 2024



Brochure / Flyer



About Sri Durga Malleswara Siddhartha Mahila Kalasala

With the belief that "There is no greater pillar of stability than a strong, free and educated woman", the Siddhartha Academy of General and Technical Education forayed into education of women by launching Sri Durga Malleswara Siddhartha Mahila Kalasala in 1983. Since its inception, the college has been providing quality education to young women training them to become skilful, resourceful, holistic entities and assets to the society. The conferment of A++ grade by the NAAC in 2021, CPE status in 2016, ISO 9001- 2015 certification and a clutch of awards such as 79th Rank of NIRF(2017), top ranking by India Today, Education World Rankings, Grand Jury National Ranking have proved that the institution is a force to reckon with. Further accolades such as the "College with Best NSS units", "Best Eco-Friendly Award", "Best Library Award", "Life Saviour Award", have proved the excellence and professional standards being implemented by the dedicated band of faculty and Management. The Cultural Team, deemed the crown jewel of the college's attributes has received the state Golden Nandi award twice for One Act Play (2018 & 2023) and has been invited by TANA, North America for its technically brilliant, aesthetic Folk Orchestra (2015).

About The Department

The Department of Computer Science was launched in 1989 and since has been disseminating knowledge and skills related to Information Technology that has been revolutionizing the world. Keeping in view the steady and rapid advances in computing methods and technologies prevalent today, the Department keeps itself abreast in Programming and Problem Solving techniques of Computer Science. Students are provided vital skills and techniques enabling them to generate a wide range of applications in the real-time world of computing.

With 10 state of the art Computer Laboratories equipped with over 500 systems with latest configuration, the Department provides innovative and cutting edge knowledge and training to aspiring students. While Projects, Hands – on Training, Discussion Forums and Interactive Learning form a vital aspect of pedagogy, Hackathons, Research Programmes and Code Fests provide the necessary innovative aspect of Education.

AICTE Training and Learning (ATAL) Academy

ATAL Academy has been established with the vision "To empower faculty to achieve goals of Higher Education such as access, equity and quality". The setting up of ATAL Academy and NWRO (Camp Office) of AICTE in Jaipur was digitally announced with establishment of its other centers in the country. ATAL academy will conduct a series of workshops in thrust areas identified by AICTE. Technical education in India contributes to a major share of the overall education system and plays a vital role in the social and economic development of our nation.

CHIEF PATRONS

Dr. C.Nageswara Rao, President, SAGTE
Sri P. Lakshmana Rao, Secretary, SAGTE
Sri N. Lalitha Prasad, Joint Secretary, SAGTE
Sri S. Venkateswara Rao, Treasurer, SAGTE

PATRON

Dr. S. Kalpana, Principal, SDMSMK

ADVISORY COMMITTEE

Prof. L. K. Mohana Rao, Academic Advisor, SAGTE

Dr. R. Madhavi, S.O, SDMSMK

PROGRAM CO-ORDINATOR

Dr. Mohana Rupa S.V.D.
Assistant Professor, Coordinator IQAC

CO-COORDINATORS

Dr.V. Sandhya Lakshmi
Head, Dept. of Management , SDMSMK
V.S. Krishna Veni, Dept. of CS, SDMSMK

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Smt.P. Harika, 9493243247



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ABOUT THE FDP

Cyberattacks are consistently being launched in the internet domain that seeks unauthorized entry into sensitive health information, personal identity database, intellectual data, government data repository, industrial information and so on. Cybersecurity in the digitized modern society should help the users to maintain the data privacy without compromising their addiction towards social engineering. The composition of technologies, practices and processes that are developed to defend the data, programs, networks and devices amid attacks, unauthorized access or damage is referred to as cybersecurity. Phishing, malware, ransomware and social engineering attacks are widely gaining popularity and hence ethical hacking can be a solution to identify these vulnerabilities prior to exploitation. Currently, the most cyberattacked sectors include healthcare, manufacturing, financial services, government and transportation. This FDP course will focus on various types of cyberattacks, cryptography, analysis of cyber threats and its countermeasures along with IOT and AI in future research direction in the domain of information security.

Outcomes of the FDP

The FDP aims at

- Increasing the knowledge and skills of faculty and students to make them more employable to acquire global competencies.
- Accessing of modern tools used in field of cyber security.
- Providing Effective teaching Methodologies to convey complex cyber security concepts to students.
- Enabling educators to do collaborative research in the domain of cyber security.

Registration:

Participants can sign up and register for the program in AICTE ATAL website links:
<https://www.aicte-india.org/atal>

Last date for receipt of applications

03.09.2024

Intimation to selected candidates

05.09.2024

Target Participants:

Faculty members from AICTE approved institutions, Research Scholars, Industry personnel and PG students, Participants from Government, Industry Bureaucrats / Technicians / Professionals .

- External Participants (traveling more than 20KM one side to attend the FDPs) who attend at least 90% of the sessions shall be reimbursed with the cost of traveling , with a blanket amount of Rs. 1600/-
- Working lunch will be provided
- Accommodation will be provided on request (on payment)
- No registration fee
- Max. No. of Participants: 50 Nos.
- Mode of Delivery: In house (offline)
- Resource Persons are from reputed Universities / Industry

Requirements to get Certificate

Continuous Comprehensive Assessment of Candidates shall be carried out and certificate will be issued up on achieving at least 70% to receive overall in following aspects in the weightage mentioned below

- 1 Attendance - minimum 80% attendance - (individual)- weightage 20%
- 2 One assessment - combination of MCQs/short answer type/reasoning based, etc. (Individual) - weightage 10%
- 3 2 Page Article Summary / Per Team - (Team & Individual) - weightage - 30%
- 4 Output of Practical Sessions - (Individual) weightage 15%
- 5 Report / Outcome of Industrial / Visit - Cteam) at the last session - weightage = 10%
- 6 Reflection Journal - (individual)- at the last session - weightage - 15%

For further details Contact

Smt. M. Praveena - 9700142649

Smt. P. Harika - 9493243247



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Mandatory Registration Form

1. Name: _____

2. Designation: _____

3. Organization: _____

4. Address for correspondence with e-mail: _____

5. Telephone / Mobile No: _____

6. Teaching/Industry Experience: _____

7. Research area: _____

Place: _____

Date: _____

Approval from present employer / organization of the applicant:

The applicant is a research scholar / an employer and will be permitted to participate in the above program, if selected.

Signature of the Applicant

Signature and the Seal of Head of the
Institution/Department/Section