

JOB OPPORTUNITIES

This degree gives the students a variety of professional options. Both public and private sector offer a range of jobs.

- Planning Sectors (Urban and Rural planning and GIS Engineers Design Industries)
- Consultants for large architecture projects, project design, graphic design, industrial design etc.,
- Construction (Project management building designers, environmental designers, construction engineers for MEP services, etc.,)
- Software Industry, development of MEP services layouts

Building Services engineers work closely with other construction professionals like architects, structural engineers and quantity surveyors. The administrator commissioning for sustainable and energy efficient buildings. With building services new roles are emerging in the areas of renewable energy, sustainability, low carbon technologies and energy management. With buildings accounting for 50% of all carbon emissions, building services engineer has a wide-ranging career path in:

Design: Designing layouts and requirements for building services for residential and commercial developments

Construction: Supervising construction of building services, commissioning systems and ongoing maintenance and operation of services.

Environmental: Developing new energy saving methods of construction, designing new and improved energy conservation systems for building

Heating, ventilation and Air Conditioning (HVAC):

Specializing in the design, development, construction and operation of HVAC system.

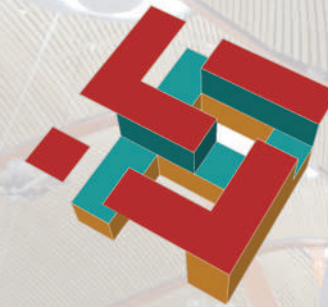
Electrical Technology: Specializing in the design and development of electrical systems required for safe and energy sustaining operation of buildings.

For more details:

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SCHOOL OF PLANNING AND ARCHITECTURE



B.Tech.

BACHELOR OF TECHNOLOGY

FACILITIES AND
SERVICES PLANNING

Prof. Dr. D. Vijay Kishore

B.Arch., M.U.P., Ph.D., FITP, FIIA

OSD & Vice Chancellor (I/c)

Prof. EC. Surendranatha Reddy

B.Sc., B.Ed., M.Sc., Ph.D.

Registrar (I/c)



**Dr. YSR ARCHITECTURE
AND FINE ARTS UNIVERSITY**

Established under Sub Section (2) of the Section (1) of the
Jawaharlal Nehru Architecture and Fine Arts University
(Amendment) Act, 2019 of A.P. Legislative Act No. 15 of 2020

Kadapa, Y.S.R. District, Andhra Pradesh

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🌐 www.ysrafu.ac.in

Dr. YSR Architecture and Fine Arts university is established in January, 2020 at Kadapa, YSR District by the Government of Andhra Pradesh under the aegis of Hon'ble Chief Minister **Sri. Y.S. Jagan Mohan Reddy garu**. The courses offered equip students to meet the challenges of the future as we transition into digital era. They are taught innovative methods of design thinking considering the constraints on resources, environmental changes and rapid urbanization. The students attain a wholistic development by participating in various case studies, design typologies and working with different disciplines as a group taught by our experienced faculty to have a bright career in the design field.

School of Planning and Architecture is offering courses in,

- Bachelor of Design (Interior Design)
- Bachelor of Architecture (B.Arch.),

and three Bachelor of Technology (B.Tech.) courses in,

- Digital Techniques in Design and Planning (DTDP)
- Urban and Regional Planning (Planning)
- Facilities and Services Planning (FSP)

FACILITIES AND SERVICES PLANNING (FSP)

Eligibility

10+2 or 10+3 Diploma from State Board of Technical Education with a Minimum pass percentage.

How to Apply

The students have to qualify in EAMCET.

EAMCET Course Code **FSP**

Annual Intake 60

Course Duration 4 Years/ 8 Semesters

The school of planning and architecture offers B.Tech. in Facilities and Services Planning (FSP)/ Building Technology Services (BTS) full-time degree program. It is an interdisciplinary course, which relates to design, planning and maintenance of residential, commercial, hospitality, healthcare and institutional buildings, such as convention centers for an example. Duties may include the care of Heating, Ventilation, Air Conditioning, electric power, plumbing, fire safety and protection and lighting systems.

FSP is an interdisciplinary engineering design, construction, operation, renovation, and maintenance of buildings, as well as with their impact on the surrounding environment. The discipline requires pertinent knowledge integrated from traditional well-established disciplines such as,

Civil Engineering for building structures and foundations.

Mechanical Engineering for Heating, Ventilation and Air-Conditioning system (HVAC) and Transportation systems in Building

Environmental Engineering for Green Building Concepts and understanding Environmental Impacts of Built Environment

Automation Engineering for Building Automation

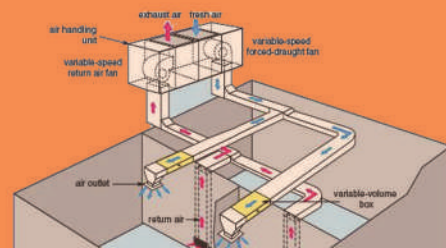
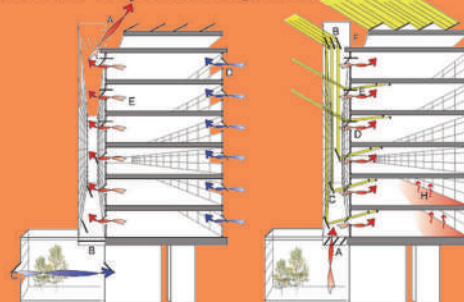
Physics for building science, Lighting and Acoustics

Chemistry and **Biology** for Indoor Air Quality (IAQ)

Electrical Engineering for power distribution, control and electrical systems

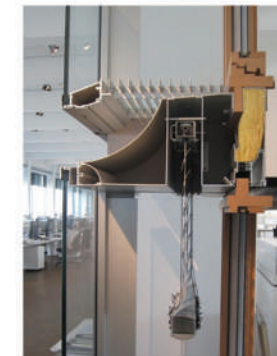
Architecture for form, function, building codes and specifications

Economics for Project Management.



COURSE STRUCTURE

The curriculum is structured for 4 years and is divided into 8 semesters. The (1 to 7) semesters consists of full-time study and workshops followed by practical training in professional offices and field visits. The 8th Semester consists of a full project in areas like planning, design, HVAC, fire detection and fire fighting systems etc.,



COURSE MODULES

- Building Services Studio
- Graphics & Presentation
- Engineering Physics
- Engineering Chemistry
- Surveying and Leveling
- Computer Application
- Building Materials
- Engineering Mathematics
- Structural Mechanics
- Fluid Mechanics & Hydraulics
- Building Materials
- Building Technology
- Illumination Engineering
- Climatology and Built Environs
- Basics of Electrical Engineering
- Mathematical Methods
- Electrical Systems
- Thermodynamics
- Water Supply Systems
- Waste Water Systems
- Refrigeration Systems