Sow the seeds of Success, today....

ST. MARGARET ENGINEERING COLLEGE BROCHURE 2018-19

Approved by AICTE and Affiliated to Rajasthan Technical University, Kota
Chairman Message

Our Founder, Late Sh. P. C. Malik once had a dream and today it has become a reality. He had a bright vision for the youth of the nation and thus giving a shape to his vision is an engineering institute, St.Margaret Engineering College, Neemrana. We are on a mission to develop it as a top technical institute for the future generation.

Late Sh. P. C. Malik was working towards his goal with a sheer dedication when Almighty called him to his heavenly abode. Since then I have been looking after his dream and vowed to him carry his legacy forward with the same dedication as his.

After taking this responsibility over my shoulder, a realization doomed upon that it isn’t that easy to move ahead in this competitive world. But with the right amount of determination and team coordination, we are able to take SMEC to great heights.

According to me, having knowledge is just not sufficient, applying that knowledge with innovation and right skills is the need of the hour.

We are inculcating within our students not just academic knowledge but also interpersonal and social skills so that they become a responsible citizen of the country. The changing trends in the industry and technology are leading everyone to a better and more realistic future, to cope with such trends we have to build our university curriculum accordingly. Not just this, our University offers various vocational and short-term courses that builds one’s skills apart from the academic knowledge. With respect to Swami Vivekananda’s saying, ‘Arise, awake and stop not till the goal is reached’ we are in the race to win. May God give us courage and strength.

B.R. Goswami
CHAIRMAN
Spread over the foothills of Aravali is a dynamic and widespread campus of SMEC. The lush green campus of the college provides ecological sustainability through its academic programs.

SMEC is an engineering institute located in Neemrana, Rajasthan. The education system of the college has been transforming the youth of our nation into civilized and employable citizens.

Neemrana is now an Industrial hub of Rajasthan and is almost midway between the National Capital Delhi and the state capital jaipur, which makes it a desirable location for students. It provides a comfortable, clean and healthy environment for students to live as well as study.

The college is surrounded all over with industrial buildings and other IT companies which provide students with hands-on experience.

“Studying at SMEC was the good decision of my life. I got to know new people and be one step ahead in my future career. Most importantly it gave me the confidence to believe I could do it!”

Disha Arora
B.Tech Student
Our MISSION

St. Margaret Engineering College, Neemrana is on a mission to develop an institute with high quality education in the country. They have been building their name in the field of education by:

- Making their students Industry updated and developing in them the technical skills they need to be a part of the Industry.

- Imparting high values, morals and ethics among the future technocrats and supervisors.

- Shaping world class leaders who have not only technical / managerial expertise but also initiative, confidence, creativity and zeal to achieve their goals and serve humanity in general.

- Forming world-class pioneers who have specialized/managerial ability as well as initiative, certainty, innovativeness, and an enthusiasm to accomplish their objectives and serve humankind whenever required.
Vision
Empowering today’s youth by providing them adequate resources and skills not just to become a better student, but to grow as an individual who is well versed in his/her responsibilities personally and professionally.

SMEC has long-term goals for their students as well as it’s faculty members. We are targeting not just today’s youth but also looking forward to be a part of foremost institutes of India to which the future generation will look up to.

Our Success Story
With Vision, comes the heightened motivation.
Our steps to success includes thinking beyond the boundaries with devotion, diligent work and sense of duty regarding Management, students and the staff members.
We may not be as big as IITs/NITs, yet we seek to turn our students as phenomenal technocrats if not with a very high speed but definitely with unique set of values and quality education which provides them with the strength to withstand any hurdle of life.
There still exists a little difference among the developed and developing nations with regard to the technical skills and knowledge. In a time of fast flowing and free information, the syllabus, and curriculum of different institutes is almost same worldwide. However, the quality of Engineers is still not the same in the various organizations, it is usually the infrastructure and culture of every institute that decides the nature of the product. The infrastructure of SMEC which is being designed smartly will prove to be a great help in instilling the innovative skills among the students. The result of the university and records of placement justifies itself.
The Technical Industry is changing at a fast pace and so is the way individuals work. We are an institute that caters to the changing needs of the industry. We train and teach our students to aggressively adapt an ever changing environment and leave a mark in their industry.

Our research says, that over 30 new technologies like Artificial Intelligence, Automation, Nano-technology, Computing, Wireless power etc. have been added to be included in the curriculum of next decade. Our institute is moving ahead keeping all these technologies in mind.
Eligibility Criteria

For B.Tech 1st Year

An engineering aspirant must fulfill the following eligibility requirements:

- Must have passed 10+2 class from a recognized board with 45% marks in the subject combination of Physics, Mathematics and Chemistry / Computer Science / Biology / Biotechnology.
- Must be less than 23 years of age on 1st Oct. of the year of admission.

For B.Tech 2nd Year (lateral entry)

The candidate should have passed Diploma from recognized polytechnic with minimum 45% marks (40% for SC/ST candidates of Rajasthan) or the candidates should have passed B.Sc. degree from a recognized university with atleast 45% marks (40% for SC/ST candidates of Rajasthan) and Passed XII Standard with mathematics as a subject.

For M.Tech 1st Year

B.E. / B.Tech. with 55% marks and 50% marks in case of SC/ST candidates.

Procedure

Admission to M.Tech / B.Tech 1st Year shall be made in accordance with the entrance examination / procedure prescribed by Rajasthan State Govt. / Rajasthan Technical University from time to time. Lateral admission of diploma holders (in engineering) / BSc (with Maths at +2 standard)-directly to B.Tech 2nd Year is carried out as per provision of LEEP / Rajasthan State Govt. as notified from time to time.

Fee Structure

The interim college fee for those admitted to B.Tech/ M.Tech in the academic session 2018-2019 is

- ✔️ College Fees - ₹ 80,000 p.a. (payable semester wise)
- ✔️ Caution Money - ₹ 7,500 (Refundable) - One Time

This Fee is subject to final approval by the State Level Fee Determination Committee.
Psychometric Report Based Analysis

We are the First and Foremost College in Rajasthan to have Psychometric Report Based evaluation for students.

Psychometric test helps us to know our students well and thus work on their strengths and weaknesses. According to this test and the results, we guide and counsel our students to achieve their full potential. Our mentor programs are specially made to assist individuals develop patience, insights, communication and leadership skills.
“Earn While you Learn Initiative”

SMEC believes in making students independent enough to earn from the first day itself. We have introduced several vocational courses that help students to impart the in-demand skills of the industry. The classes and training for Vocational Courses is undertaken by experienced mentors and industry experts.

Some of the prominent courses offered are as follows:

- **Artificial Intelligence**
- **Internet of Things**
- **Robotics**
- **Blockchain**
- **Cybersecurity**

These courses help students not just to gain a mere degree but to utilize technical and other conceptual skills that help them find a suitable job in the near future.

**Govt Programs**

- PMKvy (Pradhan Mantri Kaushal Vikas Yojana supported by NSDC)

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**Faculty Development Programs**

A student is only as good as the teacher. Keeping that in mind, regular workshops and technical training is provided to the staff in order to keep them updated about the recent developments in their respective fields. A glimpse of the programs undertaken:

- AAKASH workshop by IIT Bombay
- Engineering Thermodynamics by IIT Bombay
- DBMS by IIT Bombay

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**Student Development Programs**

These programs are designed in a way that let students interact directly with the industry experts and get exposure to the latest industry updates. Trained professionals conduct workshops and sessions in order to impart industrial skills in the students, right from the beginning.

**Programs offered:**

- VLSI and VERILOG by Dkop
- PLC, SCADA and HMI by Technisis
- Robotics and Embedded Systems by Yogiki
Courses offered

**B.Tech**
- Computer Science Engineering 45
- Electronics and Communication Engineering 60
- Mechanical Engineering 60

**M.Tech**
- Computer Science Engineering 9
- Digital Communication 9
- Production Engineering 9

Department of Computer Science & Engineering:
Constituting eminent professors and vibrant student body is a Computer Science Department of SMEC with all the systems of latest configuration. This department equip the students with sound knowledge of latest technology and the innovation driven techniques so that they are able to contribute in a rapidly developing industry.

Department of Mechanical Engineering:
Mechanical Engineering has a broad path in today's world. Mechanical engineers play a crucial role in designing and creating the automotive, aeronautics, robotics, and manufacturing equipments. The department of Mechanical Engineering at SMEC emphasis on developing the students on their chosen career path.

Department of Electronics and Communication Engineering:
The department has faculty members having years of experience in their field. This department aims to bridge the gap between a human labour and the latest technology. The syllabus is designed in such a way that caters to the ever challenging needs of the technical growth in every area of electrical engineering.
Department of Applied Science and Humanities:
Department of Applied Science and Humanities provides basic science and humanities courses to grow student's analytical and reasoning skills, this knowledge helps them grow themselves as an individual. Students can then act, think and take decisions independently.

SMEC believes that a healthy body breeds a healthy mind, thus apart from academics it is important for students to grow as an individual. Our regular Extra-Curricular activities like Music, Dance, Art, Health check-up camps and seminars allow students to explore all spheres of their personality.
The T&P cell of the college prepare students not just to be a part of the race but to come out as a winner. Its Industry Related Training Cell makes students capable enough to be a part of an ever changing world, through practical exposure, cost effective and innovative Research, they are trained to work as a team.

**Technical Training**

The college has a tie up with IT giants like NIIT, technisys, sofcon, yogiki, Grinar Solutions, STG, Kyron etc. To develop students technically and intellectually, college organises various workshops and seminars from time to time. These technical Training workshops teaches them the skills needed to design, develop, implement, maintain or support a particular product or technology.

“At SMEC, we are committed to providing high quality teaching in an environment conducive to learning, where each student can fulfil their potential. We promise to give you every opportunity to develop academically and personally and to provide all the individual support and guidance you need during this critical stage of your education.”

Abhishek Chaudhary
HEAD OF DEPARTMENTS
Industry Institute Partnership Cell

IIPC’s main focus is to strengthen the relationship between the university and Industry. The cell identifies the needs and requirements as per the changing trends of the industry and promotes institutes to follow and incorporate the same. The cell organizes various placement sessions, industrial training, R&D projects, workshops, and internships to meet the demands of Industry. This partnership programme between the industry and the institute also prepares students to adopt the latest technology, skills and be a part of an ever-changing and dynamic world. IIPC also helps students in interacting with premier organizations of the industry.

Internships

SMEC believes “Experience is the best teacher”, thus providing students with a hands-on experience while they are pursuing their studies is what we are known for. We are into (Memorandum of Understanding) MOU with leading organizations of our industry to facilitate students with regular training sessions and internship opportunities.

100% Placement Assurance

SMEC guarantees a 100% Job placement opportunity for all the students. The on Campus Placement Cell is designed to create the pioneers of future generation. Our placement opportunities have generated a bundle of professional Individuals.

We guarantee our students a 100% Job assurance*

*Terms and conditions apply

- Each individual should have more than 80% Attendance.
- Each individual should complete more than 80% of his/her assignments as per the given deadlines.
- A student must have participated in online sessions/live projects and other workshops.
Neemrana Industrial Association (NIA)

SMEC has tie ups with huge corporate sectors of Neemrana Industrial Association. This initiative not only brings an Industry-Institution growth but also let the students of college grow rapidly by meeting people from varied departments of Industry and gaining a practical exposure.

We have been a part of NIA since long. In collaboration with it, SMEC was able to organize a lot of events and workshops to grow and guide the students in right direction. In the year 2016, we successfully organised a T20 Cricket tournament which witnessed more than 32 Companies.

Infrastructure

Spread over 25 acres of institutional area, SMEC is covered all over by industrial buildings and a large number of national and multinational industries. The campus of the university is built with all the facilities and requirement for an overall development of an individual. Divided into different blocks and units, the campus is created in a way that lets students explore all the avenues, starting from the academic block, playground area to the hostel units, it has all the major sections to meet a student's requirements.

Well equipped labs, library, Canteen, Stationary shop and a Dispensary adds up to the infrastructure of the college.

Facilities

- World-class Library
- Boys & Girls Hostel
- Gym
- Banking
- Healthcare
- Transportation