

DAYALBAGH EDUCATIONAL INSTITUTE (Deemed University)



TECHNICAL COLLEGE

* ‘Education, more education, education made perfect is the panacea for all our country’s ills and evils’.



Founding Father of the College,
Sir Anand Sarup, Kt.

* DEI Technical College



**Established in 1927 as a Technical School
&
Developed into a Technical College in 1930**

In the year 1930,

1. A Diploma Course of 4 years duration in combined **Electrical and Mechanical Engineering &**
2. A **Certificate** Course of **2 years** duration in **Automobile Engineering** were started
which were affiliated to the Industries Department of the U.P.
Govt.

Later

1. In **1957**, under the **Second Five Year Plan**, on the recommendations of the AICTE, separate 3 years courses in Electrical and Mechanical Engineering were started.
2. In the year **1966**, the college was affiliated to the Directorate of Technical Education, U.P. and later on, the **Automobile Certificate** course was also converted into **3 years Diploma Automobile course**.



In the year 1986 , the academic and administrative control of the Technical College came under D.E.I. (Deemed University), Dayalbagh, Agra

OPEN TO ALL

The Institute is open to all irrespective of caste, creed, race, religion, economic position or social status.

COURSES OFFERED

GROUP -A (Intake - 620)

6 SEMESTERS

- Automobile Engineering (60)
- Electrical Engineering (120)
- Electronics Engineering (60)
- Mechanical Engineering (60)
- Civil Engineering (60)
- Architecture Assistantship (30)
- Leather Technology (30)
- Vocational Automobile (100)
- Vocational IT (100)

GROUP -B (Intake- 60)

6 SEMESTERS

- Textile Designing (30)
- Interior Designing & Decoration(30)

GROUP -C (Intake - 60)

4 SEMESTERS

- **Garment Technology (30)**
- **Home Science (30)**

GROUP- D (Intake- 60)

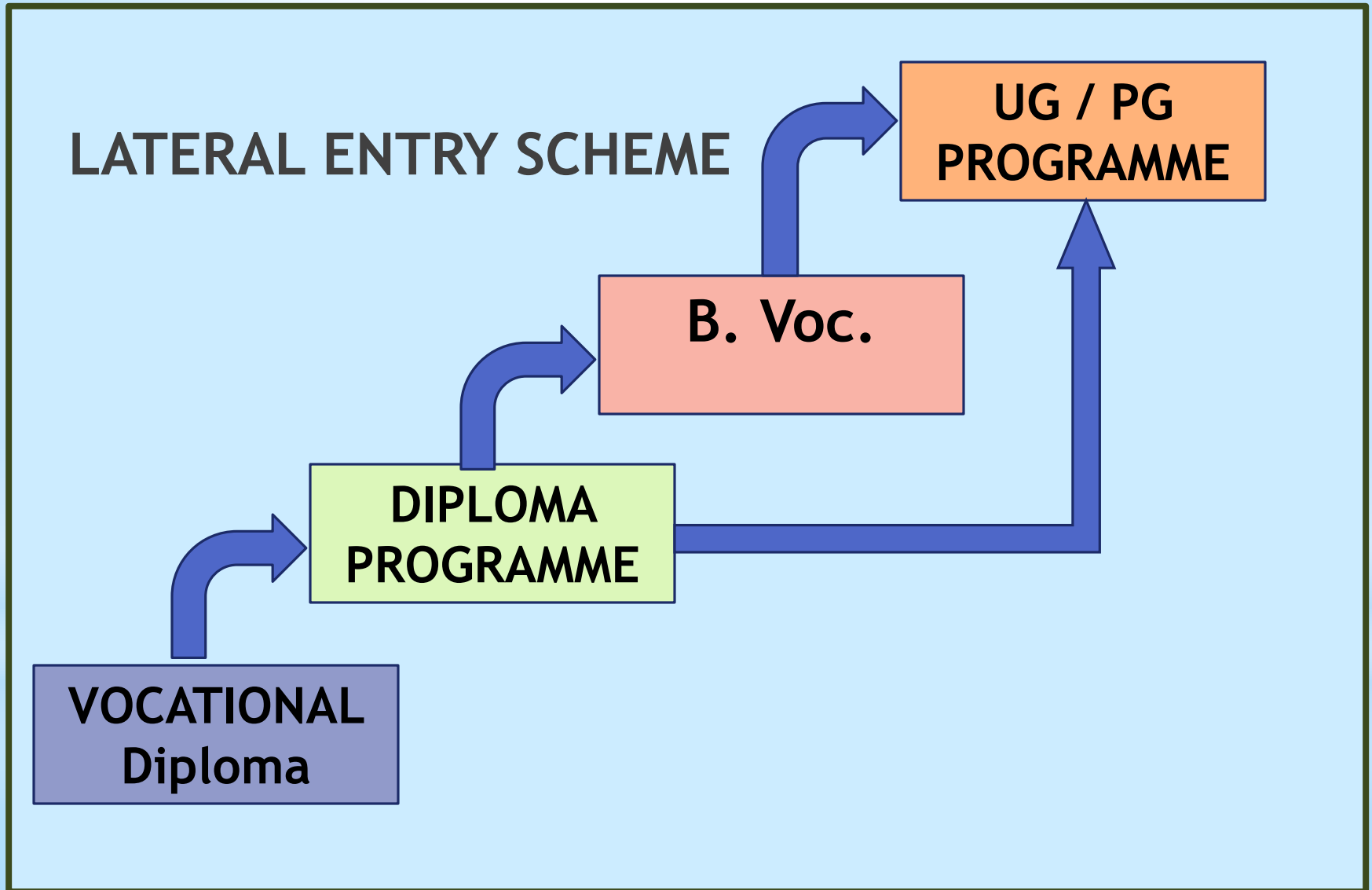
4 SEMESTERS

- **Modern Office Management & Secretarial Practice (60)**

Significant Highlights

- Government aided private institution.
No capitation fee.
- Nominal fees (Approx Rs 8000/- pa).
- Academic schedule strictly followed.
- Highly qualified staff.
- Excellent student placement.
- Opportunities to Vertical Growth

* Opportunities to Vertical Growth



Organization Chart: Administrative

- Governing Body
- Technical College Managing Council
- Director, DEI
- Principal, Technical College
- Heads / Coordinators of Departments
- Section/ Workshop / Lab. Incharges

AUTOMOBILE ENGINEERING



Programs Offered by the Auto. Department

- Three-year Diploma in Automobile Engineering.
- Three-year Vocational Diploma in Automobile.
Aligned with NSQF.

Supporting Other Programmes

- UGC approved Three-year B. Voc. in Automobile **(DDUKK)**
With multiple entry and exit options.
- One-year Certificate in Motor Vehicle Mechanic (4-wh) **(CART)**
Aligned to ASDC Auto Service Technician Level-3 course.
- One-year Certificate in Two-wheeler Technician **(CART)**
Aligned to ASDC Two-wheeler and Three-wheeler Technician course.
- One-year Certificate in Two-wheeler Servicing **(CART)**
DEI-TVS Community Programme
- One-year Certificate in Two-wheeler Sales **(CART)**
DEI-TVS Community Programme

MoU with Maruti Suzuki India Ltd, Gurgaon



MoU with India Yamaha Motor Pvt Ltd, Surajpur



* MoU with TVS Motor Co, Hosur



MoU for Yamaha Training School (YTS) in the tribal village cluster in Rajaborari (25.03.15).



* MoU for Yamaha Training School (YTS) in the tribal village cluster in Rajaborari (25.03.15).



Infrastructure: Automobile

The following state-of-the-art equipment is used to train students in practical work as required in the field

- Computerized Engine Analyzer
- Wheel Aligner
- Gas Analyzer
- Diesel Smoke Meter
- NOx Analyzer
- Head Light Aligner
- PC-based Oscilloscope

* Car Driving Simulator



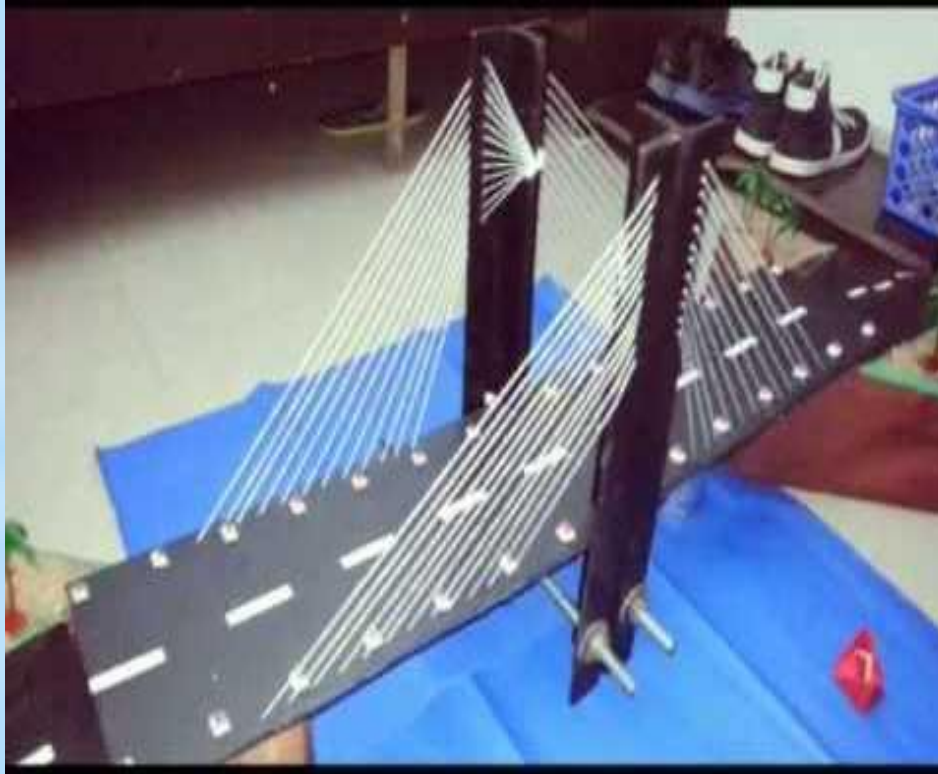
Maruti Car on Two-Post Lift



* Diploma Girls Getting Trained in Technical Skills



Department of Civil Engineering



प्रदूषण को सोखेगी कंक्रीट

सड़क, फुटपाथ और प्रदूषण वाली जगहों पर कारगर होगी यह तकनीक

बारिश के साथ धूल जाएगी प्रदूषण की जमी हुई परत

जागरण संवाददाता, आगरा: कंक्रीट भी वायु प्रदूषण को कम कर सकती है। यह बात हैरान जरूर करेगी, पर दयालबाग शिक्षण संस्थान के छात्र इसी दिशा में काम कर रहे हैं। डीईआइ के सिविल इंजीनियरिंग के छात्रों ने ऐसी कंक्रीट तैयार की है, जिससे सड़क बनाने पर प्रदूषण का स्तर काफी घट जाता है। खासतौर से वाहनों के धुएं में जो प्रदूषक तत्व होते हैं, उन्हें यह कंक्रीट वातावरण में फैलने नहीं देती। इस प्रोजेक्ट को नाम दिया है स्मोग ईटिंग कंक्रीट।

डीईआइ के छात्र अस्मित कुलश्रेष्ठ, प्रतीक भारद्वाज, नयन अग्रवाल, राहिल अरशद, मोहित सिंह ने टायटेनियम डाई ऑक्साइड को सीमेंट के साथ मिलाकर कंक्रीट पर बिछाया। टायटेनियम डाई ऑक्साइड फोटो कैटलिसट की तरह काम



दयालबाग शिक्षण संस्थान के छात्र व शिक्षक स्मोग ईटिंग कंक्रीट क्यूब के साथ।

करता है। यह सूर्य की रोशनी में वाहनों से निकलने वाले सल्फर डाई ऑक्साइड तथा नाइट्रोजन डाई ऑक्साइड को तोड़कर सल्फाइड्स और नाइट्राइड्स में बदल देता है। सल्फाइड्स और नाइट्राइड्स वातावरण

में फैलने के बजाय उस सड़क पर जमने लगते हैं, जहाँ टायटेनियम डाई ऑक्साइड की परत बिछाई जाती है। बारिश के साथ प्रदूषक तत्वों की परत धुल जाती है, लेकिन टायटेनियम जस का तस रहता है।

प्रोजेक्ट के गाइड एस्पी माथुर ने बताया कि बनी हुई रोड पर भी ये ट्रीटमेंट किया जा सकता है। यदि रोड बनाते समय सीमेंट के साथ ट्रीटमेंट करें, तो जब तक सड़क नहीं टूटती, इसका प्रभाव रहेगा। छात्रों ने एक किलोग्राम सीमेंट में 20 ग्राम टायटेनियम डाला था, जिसकी कीमत लगभग 360 रुपये थी। घर के मामले में यह बहुत ज्यादा नहीं है।

भगवान टॉकीज चौगहे पर रखे जाएंगे क्यूब

ट्रीटमेंट महंगा होने के कारण छात्रों ने इसे सड़क पर करने के बजाय इसके क्यूब बनाए हैं। शिक्षक प्रतीक शर्मा ने बताया कि ये भगवान टॉकीज चौगहे पर रखे जाएंगे, ताकि पता लग सके कि इन्हें रखने से पहले प्रदूषण कितना था और रखने के बाद उसमें कितनी कमी आई।

इटली के चर्च में घटा प्रदूषण का स्तर

छात्रों को प्रोजेक्ट तैयार करने की प्रेरणा इटली के चर्च से मिली। छात्रों ने बताया कि इटली के एक चर्च में ऐसा ही ट्रीटमेंट किया गया है। इससे चर्च के आसपास का प्रदूषण कुछ ही माह में पचास फीसद तक कम हो गया।

* Infrastructure and Learning Resources

- *Soil Mechanics Laboratory*
- *Concrete Technology Laboratory*
- *Surveying Lab*
- *Highway Engineering Lab*



* Lab Equipment

New Facilities/Labs./Major Equipment added



UCS Test Apparatus



Total station



Muffle Furnace



UPV Testing Apparatus

Major Equipments (costing > Rs 1 lakh)

* Civil Engineering Models

Civil Department has developed and maintains:

- Cable Stayed Bridge at Technology Park
- Smog Eating Concrete Model
- Flooring Made up of Bottle Cap



ELECTRICAL ENGINEERING



Infrastructure: Electrical

- Electrical machines
 - Induction machines- 1phase & 3 phase
 - DC machines
- Speed Control Mechanisms
 - Conventional (Ward Leonard, etc)
 - New methods (SCR controlled, VVVF drive, Microprocessor controlled, etc)
- Programmable Logic Controller
- AC Drive
- Synchronizing Panel

* Electrical Engineering: Other activities

- * Electrical repair and maintenance in various schools, colleges and faculties of DEI including TC, PV, REI and Primary School.
- * Repair, maintenance and rewinding of fans, pumps, motors etc. of DEI, Dayalbagh and outside DEI.
- * Conducting modular Electrician/Wireman courses
- * Training students in winding, maintenance and repair of electrical motor.

* Electronics Engineering

* No. of Students: 180

* Teaching Staff Members: 10



* Electronics Engineering

- * Caters to the needs of the electronics industry
- * Trains students in design, manufacture and repair of electronic equipment
- * Analog and digital circuits
- * Networking and service and testing of electronic equipment
- * TV, microwave and radar engineering
- * Communications
- * Power electronics
- * Microcontrollers
- * Programmable Logic Controllers
- * Computer simulation

* Vocational Diploma in Automobile

- * No. of Students: 226
- * No. of Staff Members: 10
- * Year of Commencement: 2012



* Vocational Diploma in IT

No. of Students: 144

No. of Staff Members: 8

Year of Commencement: 2012



* Department of Mechanical Engineering

- * Teaching Staff : 13
- * Non-Teaching Staff : 8
- * Teaching Staff Ph.D.: 2
- * No. of Students : 180

Designation	No.
Senior Lecturer	1
Workshop Superintendent	1
Lecturer	4
Assistant Lecturer	8
Instructor	7
Total	21

Infrastructure: Mechanical Labs. & Workshop

- MIG welding machine
- Universal Pantograph
- Universal Milling machines
- Heat treatment furnaces
- Copy Turning attachment for Lathes
- Surface Grinders
- CNC Lathe
- Universal Testing Machine
- CAD Lab

MECHANICAL ENGINEERING



* **Modern Office Management & Secretarial Practice**

* **No. of Students: 120**

* **No. of Teaching Staff Members: 8**

* **Year of Commencement: 2005**

* **State-of-the-art-Technology available:**

LCD Projector, Plasma TV, Recording facility, Transmission Equipment, Computer Lab.

* **Teaching courses on:**

Computer Applications, Accounting Management, English & Hindi Communication, English and Hindi Shorthand, English and Hindi Typing, Business Law, Industrial Management, Office Operations, Industrial Psychology.

* Facilities Available



DIPLOMA IN INTERIOR DESIGN



* INTRODUCTION

The diploma course of Interior Design & Decoration of the DEI Women's Polytechnic is a professionally oriented three year course which imparts specialized training in various aspects of Interior Design and Decoration. Students are guided to develop creative and technical solutions to a variety of design problems with the inputs about the latest techniques and tools in this area.

No. of Students: 90

No. of Teaching Staff Members: 6

Year of Commencement: 2005

Subjects Offered:

- History of Interior Design
- Human Factors & Climate
- Design Problems
- Building Materials
- Furniture Design & Upholstery
- Computer Aided Design
- Landscaping
- Estimating, Costing & Specs
- Basic Design
- Graphic Presentation
- Building Construction
- Interior Services
- Textile & Drapery
- Landscaping
- Acoustics
- Security Systems



Students working on comp. application.

Students working on furniture design.



Students working on graphic presentation.



Students working on basic design & colour theory



Department of Footwear Technology



No. of students: 71

No. of Teaching Staff: 8

Year of Commencement: 2005

Teaching/Learning milestones



Basic Footwear Design Lab



Advance CAD/CAM Lab

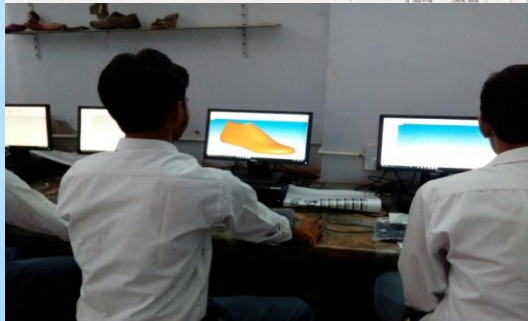
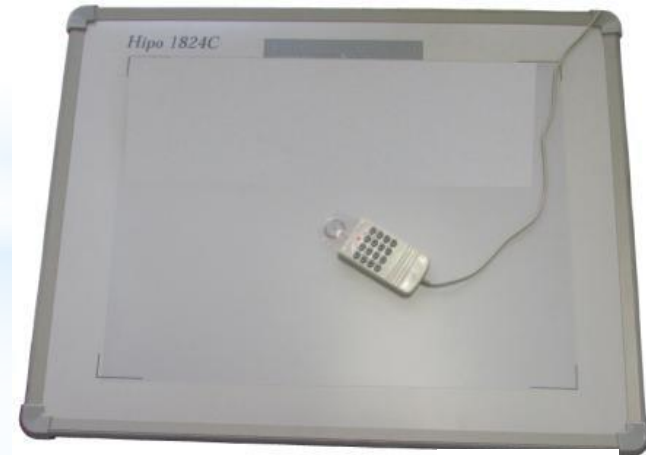
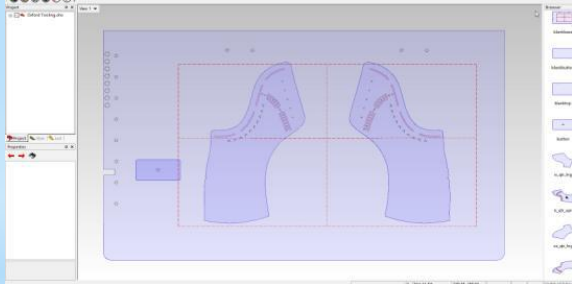
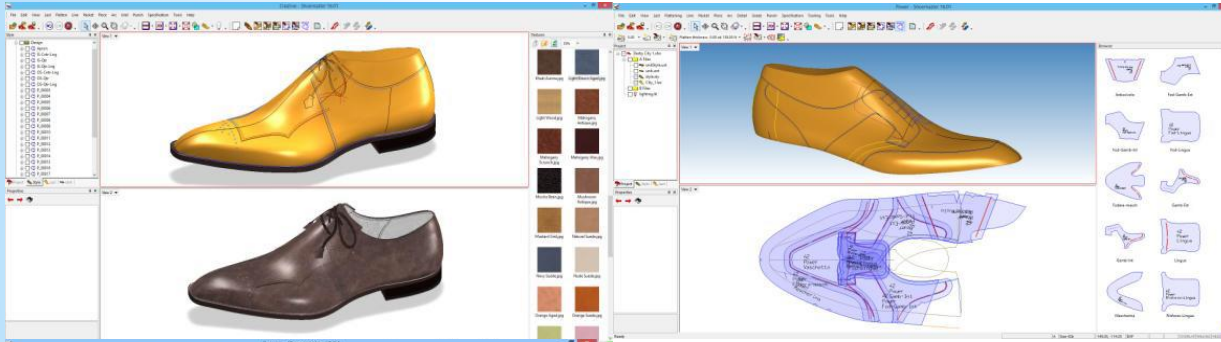


Footwear Workshop



Physical Testing Lab

*Footwear Advance CAD Lab



* Products Developed by Students



* Cooperative Training



FACILITIES & ACTIVITIES

COMPUTERS



NCC



LIBRARY



NSS



FACILITIES

BUILDINGS



WORKSHOP



HOSTELS



Career Guidance & Counseling

The following activities are conducted for Final Year students on a weekly basis.

- Mock Interviews
- IQ and Aptitude Tests
- Group Discussions
- Film Shows
- Workshops
- Guest Lectures by professional trainers



Campus Placement: Some top-notch companies which visit our Campus

- Schlumberger Asia Services Ltd, Mumbai
- TVS Motor Co Ltd, New Delhi
- Telco Construction Equipment Co Ltd, Jamshedpur
- JCB India Ltd, Faridabad
- Larsen & Toubro Ltd, Faridabad
- Mahindra & Mahindra, Rudrapur
- Tata Motors Ltd, Jamshedpur
- Shriram Fertilizers & Chemicals, Kota
- Eicher Motors Ltd, Pithampur
- HCL Infosystems Ltd, Noida
- Punj Lloyd Ltd, New Delhi
- Suvidha Engineers India Ltd, Noida
- UMTI, Jamshedpur
- Anand Group of Companies, Gurgaon
- International Auto Ltd, Jamshedpur
- RSB Transmissions Ltd, Pune
- Eco Auto Components Ltd, Faridabad
- JMT Auto Ltd, Jamshedpur
- Rico Auto India Ltd, Gurgaon
- Daurala Sugar Mills, Meerut
- Bhushan Steels Ltd, Kolkata

Campus Placements

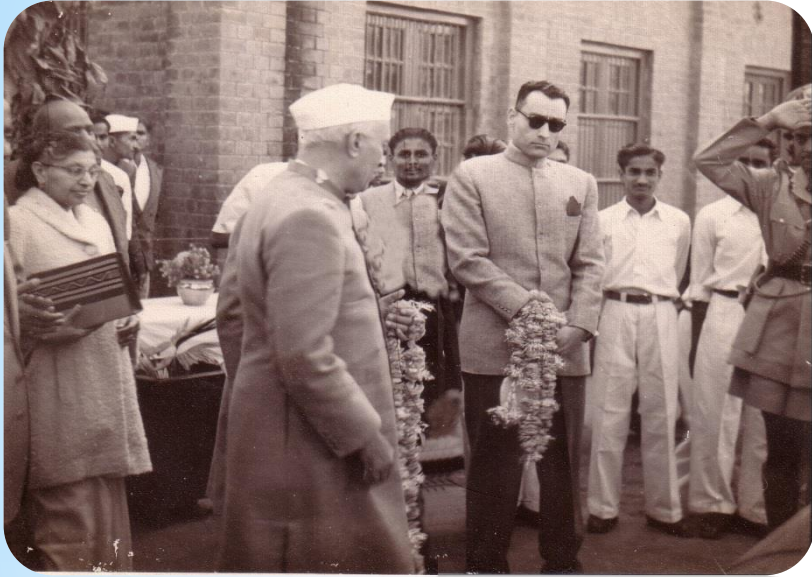
- On average 63 % of students were placed in last Five years

Academic Session	% Placement
2016-17	54 %
2015-16	72 %
2014-15	46 %
2013-14	80 %
2012-13	65 %

Visits of Dignitaries

- Prime Minister Shri Jawaharlal Nehru, Jan, 1955
- President Shri R. Venkataraman, March, 1992
- President Dr. A.P.J. Abdul Kalam, then Scientific Advisor, MOD, GOI (27.3.93)
- *Dr. S. K. Khanna, Chairman, AICTE (14.1.95)*
- *Dr. S. R. Hashim, Member -Secretary, Planning Commission (19.1.99)*
- *Prof. Ashok Chandra, Spl. Secetary, MHRD (4.3.2000)*
- *Prof. Arun Nigavekar, Vice Chairman, UGC (20.1.2001)*
- *Dr. K. Venkatasubramanian, Member, Planning Commission (11.1.2003)*

Visits of Dignitaries



THANK YOU