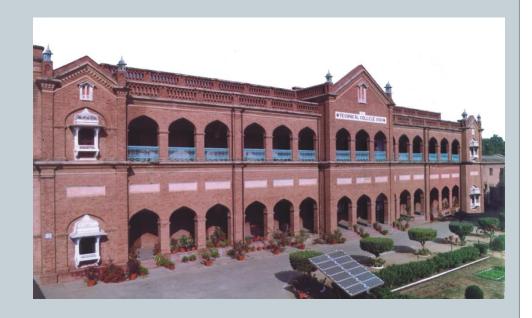
D.E.I. TECHNICAL COLLEGE

Established in 1927 as a Technical School



Vision of the Founding Father of D.E.I. Technical College

'Education, more education, education made perfect is the panacea for our country's ills and evils'.



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

DEPARTMENT OF AUTOMOBILE ENGINEERING

A Brief Profile and Progress Report Last Five Years (2012-2017)

Programs offered by the Department

The department leads in offering technical and vocational programs and has contributed significantly to the Government of India's Skilling initiatives. Programs offered by the Department are-

- Three-year Diploma in Automobile Engineering.
- Three-year Vocational Diploma in Automobile.

 Aligned with NSQF.
- UGC approved Three-year B. Voc. in Automobile With multiple entry and exit options.
- One-year Certificate in Motor Vehicle Mechanic (4-wh).

 Aligned to ASDC Auto Service Technician Level-3 course.
- One-year Certificate in Two-wheeler Technician.

 Aligned to ASDC Two-wheeler and Three-wheeler Technician course.

Intake in various Programs

Diploma in Automobile Engineering - 60

Diploma Vocational in Automobile - 100

B. Voc. in Automobile - 50

Motor Vehicle Mechanic (4-wh) - 30

Two-wheeler Technician
 30

Memoranda of Understanding (MoUs) with Automobile Companies

- MARUTI SUZUKI INDIA LTD
- INDIA YAMAHA MOTOR PVT LTD
- TVS MOTOR CO LTD

MoU with Maruti Suzuki India Ltd, Gurgaon





MoU with India Yamaha Motor Pvt Ltd, Surajpur





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



MoU with TVS Motor Co, Hosur





Infrastructure and Learning Resources

- > AUTOMOBILE SKILL ENHANCEMENT CENTRE (ASEC)
- > YAMAHA TRAINING SCHOOL (YTS)
- DEI-TVS WORKSHOP

Maruti Training Vehicle on Two-Post Lift



AC Gas Recovery Machine and Brake Bleeder





Cut-Section Models (ASEC)

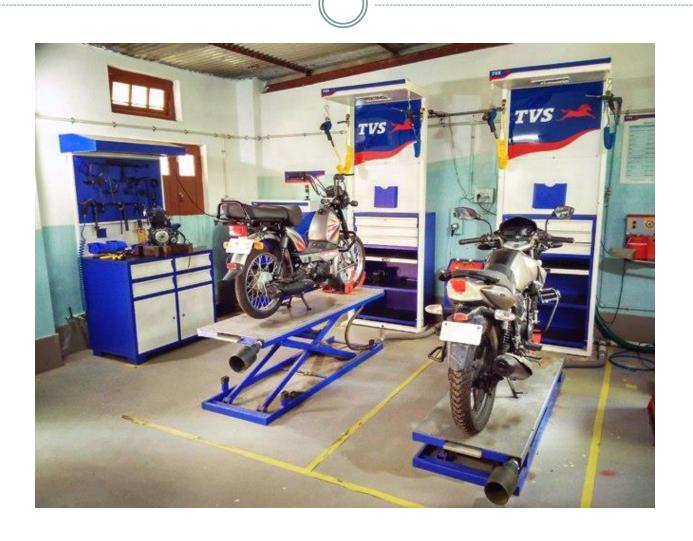




Director, DEI Inaugurated YTS, DEI on 4th October 2012



DEI-TVS Training Facility



Working Models of Engines





Engine Exhaust (Pollution) Testing Equipment





Wheel Alignment and Wheel Balancing Machines



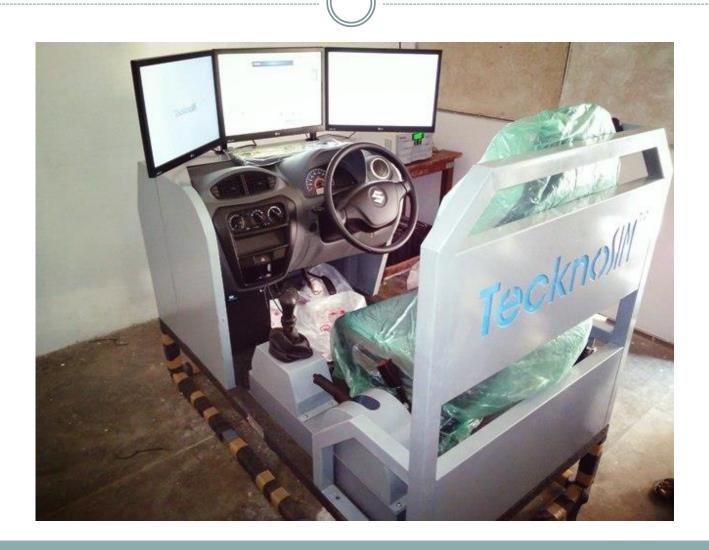


Headlight Aligner and Dynamic Display





Car Driving Simulator



Hands-on Practical Training

- > FOUR-WHEELER
- > TWO-WHEELER
- MOTOR VEHICLE DRIVING

4-wh Students getting Trained in Technical Skills









2-wh Students getting Trained in Technical Skills



WYAMAHA







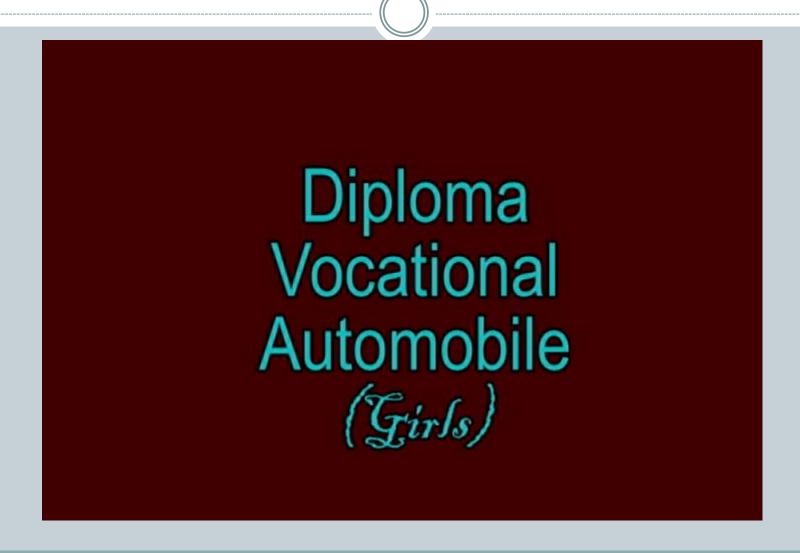
Diploma Girls getting Trained in Technical Skills







Diploma Automobile Girls in Automobile Workshop



Students practicing Yoga







Services/Facilities Offered

• Automobile Service Repair & Training Centre (ASR&TC) provides automobile maintenance and repair facilities not only to Institute vehicles and staff but also to those of the general public at less than market rates.

• TVS Workshop provides training facility to the technicians of TVS dealers.

New Programs/Services/Facilities Introduced (2012-17)

4.10.2012	Yamaha Training School (YTS) Workshop established at DEI with assistance of IYMPL.					
25.02.2013	MoU signed with RSS Agriculture Farm Workshop for on-job training (OJT) of students.					
9.08.2013	MoU with TVS Motor Co Ltd, Hosur signed for Co-operative Education Program (CEP) for Diploma Automobile students.					
11.04.2014	Tripartite agreement signed with M/s Prem Motors and MSIL for continued assistance in upgradation of facilities and training.					
2014 - 15	Female students admitted in Automobile Diploma program.					
2014 - 15	UGC recognized Community College One-year Diploma in Automobile started.					
25.10.2014	MoU signed with Vocational Training Authority of Sri Lanka for collaboration on Technical Education and Vocational Training.					

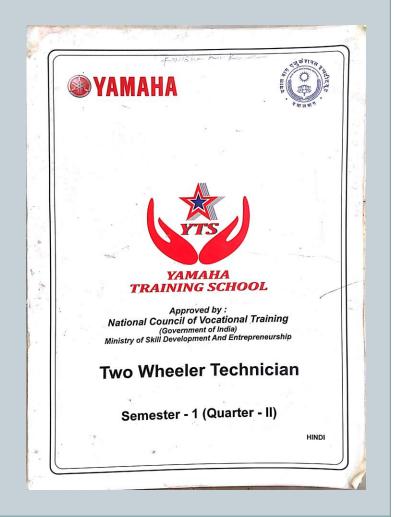
New Programs/Services/Facilities Introduced (2012-17)

25.03.2015	MoU signed with India Yamaha Motor Pvt Ltd (IYMPL), Surajpur to start					
	YTS at ICT, Timarni.					
11.05.2015	MoU signed with India Yamaha Motor Pvt Ltd (IYMPL), Surajpur to start					
	YTS at ICT, Amritsar.					
21.06.2015	MoU signed with India Yamaha Motor Pvt Ltd (IYMPL), Surajpur to start					
	YTS at ICT, Melathiruvenkatanathapuram, Tirunelveli.					
2015 - 16	Community College subsumed by KAUSHAL Kendra. B. Voc. in					
	Automobile started.					
2015 - 16	TVS Service Training Workshop established.					
2016 - 17	Automobile Skill Enhancement Centre (ASEC) – Level 2 Workshop					
	established with the help of MSIL at a cost of Rs 20.00 lacs.					
2016 - 17	DEI-TVS Programs in Sales and Service started. It will have 3-month					
	classroom training and 9 months at dealership.					
7.05.16	Development of Diesel-Electric Hybrid Vehicle					
2017 - 18	Yoga introduced for TVS students.					

Curricular Enrichment: New Initiatives

Joint Courses under MoU with Industry Partner:

Automotive Skill
 Development Council (ASDC)
 recognized Two-wheeler
 Technician curriculum
 developed in collaboration
 with India Yamaha Motor Pvt
 Ltd (IYMPL), Surajpur.



Collaborative Training Program on Safe Riding

• The department organizes programs on sensitizing students on road safety and teaching safe riding techniques in collaboration with People's Honda, authorized dealer of Honda Motorcycle Scooter India Ltd.



Introduction of the Workshop.



Demo. of Driving Simulator.



Student practicing Riding Skills.

Visit by Mahindra Navistar Team for Training on CNG Vehicle Technology



Achievements: Awards/Recognitions - Students

 Country's first batch of four students of NVEQF Diploma Vocational in Automobile receiving Diplomas from Hon'ble Union Minister of HRD, Dr M. M. Pallam Raju on 30th Sept 2013.



Achievements: Awards/Recognitions - Students

Top three students of Certificate in Motor Vehicle Mechanic (Four-wheeler) get Certificate of Merit (alongside) and cash awards @ Rs 12,000/-, Rs 10,000/-, and Rs 8,000/- for 1st, 2nd, position and respectively, form Maruti Suzuki India Ltd.



Some Outstanding Alumni

Name	Year of passing	Company	Designation	Mobile No.	Email Id
Amit Katara	1996	DCM Shriram Industries Limited	Senior Manager-HSE	9929590854	amitkatara@dcmsr.com; amitkatara9@gmail.com
Nitin	1996	Tirupati Balaji Traders Businessman	M.D.	9415104475	tbtlko@yahoo.in
Narendra Kumar	1996	Mahima Real Estate Pvt. Ltd (Jaipur)	GM - Service	9760023212 , 8875978978	nksengar@yahoo.co.in
Lokesh Arora	1996	SAI Group, New Delhi	Head - International Business Division (IBD)	9810505479	arora.lokesh@gmail.com
Vikram Kumar	1997	DXC Technology Noida	Sr. Professional	8373909142	vik6jul@gmail.com
Ashwani Garg	1997	Mahindra and Mahindra Ltd - Automotive Div	GM - Customer Care	9004955456	garg.ashwani@mahindra.com
Ashish Kundra	1997	Mahindra & Mahindra Ltd., Farm Equipment Sector	DGM-Sales Rajasthan	9829445603	kundra.ashish@mahindra.com

Outreach

- **CERTIFICATE PROGRAMS**
- DIPLOMA PROGRAMS
- **B. VOC. AUTOMOBILE**

Certificate and Diploma Programs

- Certificate in Motor Vehicle Mechanic (Four-wheeler) programme is currently being offered in 25 Information Centres (ICs) in the country.
- Certificate in Motor Vehicle Mechanic (Two-wheeler) programme is currently being offered in 5 Information Centres (ICs) in the country.
- Diploma in Automobile and B. Voc. in Automobile are being offered in 4 Information & Communications Technology Centres (ICT Centres).

Extension Services and Consultancy

- Staff and students of the department take part in voluntary cleaning of the department & campus and work in agricultural fields every Sunday and during harvesting season.
- The department offers consultancy and repair & maintenance services to Radhasoami Satsang Sabha, Dayalbagh for its fleet of conventional and green (electric/solar-electric) vehicles.
- The department offers consultancy and repair & maintenance services to Radhasoami Training Employment & Adivasi Upliftment Institute, Timarni (Distt Harda M.P.) for its fleet of vehicles.

R & D – Green Technology

 The department has converted a Mahindra Van into a Solar-Electric Vehicle, in collaboration with Faculty of Engineering, DEL.



डीईआई के ऑटो मोबाइल इंजीनियरिंग विभाग ने इजाद की सोलर बस । 🏓 हिन्दस्तान

सूरज की रोशनी के सहारे तय होगा सफर

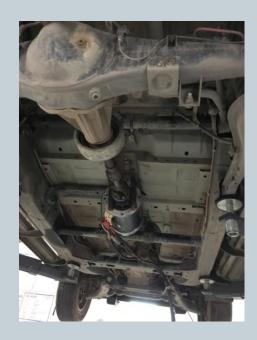
इसी साल किया गया। प्रोजेक्ट की टेक्निकल कॉलेज के ऑटोमोबाइल रखा गया है।

आगरा। ऊर्जा और ईंधन की बढ़ती अगुवाई कर रहे इंजीनियरिंग फैकॅल्टी के विभाग के अध्यक्ष विजय प्रकाश मल्होत्रा

जरूरतों को पूरा करने में सुरज की किरणें प्रो. अजय सक्सेना ने बताया 'यह प्रयोग ने बताया, 'सोलर पैनल की सीमित क्षमता अहम भूमिका निभा सकती हैं। इस सोच रूटीन वर्क से कुछ समय निकाल कर होने की स्थित में हम लोगों ने इस मिनी पकाने में सुरज की किरणों के सफल सकती है। इसको पचास किलोमीटर प्रति किलोमीटर तक की दूरी आराम से तय प्रयोग के बाद डीईआई की टीम ने सोलर घण्टा की रफ्तार दी जा सकती है। अभी कर सकती है। युनिवर्सिटी में आए कई बस का सफल परीक्षण किया है। देश में उन्नत सोलर पैनल की उपलब्धता मेहमान इस डेमो व्हीकल की सवारी कर और टिक्निकल कॉलेज के संयुक्त प्रयासों मिनी बस या वैन दिन भर की चार्जिंग में रहा'। प्रोजेक्ट पर काम करने वाली टीम से सन 1982 की एक परानी महिन्त्रा वैन दस किलोमीटर तक की दरी तय कर के अनसार इस व्यीकल में डीजल इंजन को सोलर व्हीकल में बदलने का कमाल सकती है'। प्रोजेक्ट में सहयोगी रहे के स्थान पर एक इलेक्ट्रिक मोटर को

R & D – Green Technology

• The department is in the process of converting a Scorpio model S10 into a Parallel Hybrid vehicle, in collaboration with Faculty of Engineering, DEI.



Underside of SUV with motor fitted.



Road test of the retrofitted SUV.

Future Plans

The department has plans to establish a Body Repair and Paint Shop facility in collaboration with Maruti Suzuki India Ltd, Gurgaon with an investment of Rs 80 lakhs to provide skilled denters and painters to the automobile industry.



