

**GOVERNMENT OF INDIA
MINISTRY OF HUMAN RESOURCE DEVELOPMENT
DEPARTMENT OF HIGHER EDUCATION**

**LOK SABHA
UNSTARRED QUESTION NO. 4152
TO BE ANSWERED ON 12.12.2016**

Skill Building Modules in Curricula for Higher Education

4152. SHRI J.J.T. NATTERJEE:

Will the Minister of HUMAN RESOURCE DEVELOPMENT be pleased to state:

- (a) whether the current higher education system has enough skill building modules in the curricula and if so, the details thereof;
- (b) if not, whether the Government has any plan to introduce it and the details of the steps taken by the Government in this regard;
- (c) whether the present education system has enough industry-academia connection;
- (d) if so, the details thereof including the steps taken by the Government to ensure the same; and
- (e) if not, the reasons therefor and the steps taken/proposed to be taken by the Government in this regard?

ANSWER

MINISTER OF STATE IN THE MINISTRY OF HUMAN RESOURCE DEVELOPMENT

(DR. MAHENDRA NATH PANDEY)

(a) & (b) : Yes, Madam. Ministry of Human Resource Development (MHRD) through University Grants Commission (UGC) and All India Council for Technical Education (AICTE) has introduced various skill based vocational courses in the higher education system. The courses have been approved to offer Certificate, Diploma, Advance Diploma, B.Voc./M.Voc. degree programme etc. certificates as per the choice of Institutions/Universities. The Curricula of such courses have 60% weightage for skills and 40% for general education components. The UGC has developed model curriculum for priority sectors which are available on the website of UGC i.e. www.ugc.ac.in. To empower the youth of the country with the

employable skill, UGC has started 200 Community Colleges, 162 B. Voc degree Programme and 64 Deen Dayal Upadhyay KAUSHAL Kendras. AICTE has 20 sectors and 621 Job roles approved under the scheme of Pradhan Mantri Kaushal Vikas Yojana (PMKVY) by Technical Institutes. A list of 116 Job roles of Automobile Sector is at Annexure. The Job roles of other Sectors are available at www.aicte-india.org/downloads/guidelines_PMKVY.pdf. Ministry of Skill Development and Entrepreneurship has 290 Training Partners, 4526 Training centers and 91.92 lakhs people have been trained so far across the country.

(c) & (d): UGC has adopted the skill components required for curricula development from the Qualification Packs (QPs) and National Occupational Standards (NOSs) of respective Sector Skill Councils (SSCs), who are an autonomous industry-led-bodies under Ministry of Skill Development and Entrepreneurship (MSDE). AICTE is also promoting effective link between AICTE approved Technical Institutions and Industry including research community by way of Industry-Institute Partnership Cell Scheme (IIPC), Innovation Promotion Scheme (IPS), Scheme for establishing National Facilities in Engineering & Technology with Industrial Collaboration (NAFETIC) and setting up Entrepreneurship Development Cell (EDC). AICTE in collaboration with Confederation of Indian Industry (CII) organizing competition for selecting institutes for best Industry Institute Partnership.

(e) : Does not arise.

Annexure as refer to in reply to part (a) and (b) of the Lok Sabha Unstarred Question no. 4152 for 12.12.2016 regarding Skill Building Modules in Curricula for Higher Education asked by Shri J. J. T. Natterjee .

1	Automotive	Auto Component Assembly Fitter
2	Automotive	Automotive Body Painting Technician Level 3
3	Automotive	Automotive Paint shop Assistant
4	Automotive	Casting Technician Level 3
5	Automotive	Melting assistant Helper
6	Automotive	Equipment Designer L5
7	Automotive	Forging Operator
8	Automotive	Foundry Assistant Casting Assistant
9	Automotive	Heat Treatment Technician Furnace Operator
10	Automotive	Industrial Engineer (Layout Design)
11	Automotive	Industrial Engineer (Workstation Design)
12	Automotive	Loading and Unloading Operator Loader
13	Automotive	Machining Assistant
14	Automotive	Maintenance Technician Mechanical L4
15	Automotive	Maintenance Technician Electrical L4
16	Automotive	Manager Customer Quality Level 6
17	Automotive	Manager Maintenance Mechanical & Electrical
18	Automotive	Manager Supervisor Manufacturing Quality
19	Automotive	Manager Supplier Quality
20	Automotive	Manager Process Engineering
21	Automotive	Manager Vendor Development

22	Automotive	Manager-Stores Operation
23	Automotive	Material Coordination Manager
24	Automotive	Method Study Executive (Level 5)
25	Automotive	Plastic Moulding Helper
26	Automotive	Plastic Moulding Operator Technician
27	Automotive	Packing Executive Packing Assistant Packer
28	Automotive	Automotive Painting Technician Level 4
29	Automotive	Parts Picker
30	Automotive	Press Shop helper
31	Automotive	Press Shop Operator L4
32	Automotive	Process Design Engineer
33	Automotive	Process Tryout Engineer
34	Automotive	Process Tryout Technician
35	Automotive	Process Validation Executive
36	Automotive	QA Standards In-charge
37	Automotive	QC Inspector Level 3
38	Automotive	QC Inspector Level 4
39	Automotive	Casting Technician- Sand Moulding
40	Automotive	Soldering and Brazing Technician
41	Automotive	Super Finishing Technician
42	Automotive	Surface Treatment Technician
43	Automotive	Tool Designer
44	Automotive	Tool Room operator Technician

45	Automotive	Vehicle Assembly Fitter Technician
46	Automotive	Vendor Development Executive
47	Automotive	Welding Assistant
48	Automotive	Welding Technician Level 4
49	Automotive	Welding Technician Level 3
50	Automotive	CNC Operator Machining Technician L3
51	Automotive	CNC Operator Machining Technician L4
52	Automotive	Lathe Operator
53	Automotive	PUC Attendant
54	Automotive	QCP Attendant
55	Automotive	Tyre Inflation Attendant
56	Automotive	Fuel Service Man Fuel Service Dispensing Attendant
57	Automotive	Executive, Proto Manufacturing
58	Automotive	Incharge Material Testing
59	Automotive	Manager Test Facility (R & D infrastructure)
60	Automotive	Supervisor R & D testing (Indoor, product)
61	Automotive	Manager-PLM(Product Lifecycle Management)
62	Automotive	Ambulance Driver
63	Automotive	LMV Driver Level 3
64	Automotive	Commercial Vehicle Driver Level 4
65	Automotive	Driving Assistant
66	Automotive	Forklift Operator (Driver)
67	Automotive	Taxi Driver

68	Automotive	Area Manager (Auto Components)
69	Automotive	Home Installer Home delivery Manager
70	Automotive	Customer Relationship Executive
71	Automotive	Customer Relationship Manager
72	Automotive	Finance, Insurance and Registration Coordinator
73	Automotive	Automotive Sales Lead (Retail)
74	Automotive	Marketing and Social Media manager
75	Automotive	PDI In-charge
76	Automotive	PDI Supervisor
77	Automotive	Sales Consultant (Automotive finance)
78	Automotive	Sales consultant (Institutional Sales)
79	Automotive	Sales Consultant (Pre-owned Vehicles)
80	Automotive	Sales consultant (Retail)
81	Automotive	Sales Consultant Level 4
82	Automotive	Sales Executive (Accessories Value added services)
83	Automotive	Sales Lead (Pre-owned Vehicles)
84	Automotive	Sales Manager
85	Automotive	Sales Officer (Auto Components)
86	Automotive	Sales Representative
87	Automotive	Sales Service Trainer (Dealer)
88	Automotive	Tele-caller
89	Automotive	Sales officer (Auto Insurance)
90	Automotive	Show Room Hostess Host

91	Automotive	AC Specialist
92	Automotive	Accessory Fitter
93	Automotive	Repair - Welder
94	Automotive	Auto Body Technician Level 3
95	Automotive	Auto Body Technician Level 4
96	Automotive	Automotive Service Technician (Two and Three Wheelers)
97	Automotive	Automotive Engine Repair Technician Level 4
98	Automotive	Automotive Electrician Level 4
99	Automotive	Automotive Service Technician Level 3
100	Automotive	Automotive Service Technician Level 4
101	Automotive	Automotive Service Technician Level 5
102	Automotive	Automotive Service Technician Level 6
103	Automotive	Body Shop In-Charge
104	Automotive	Brake Specialist
105	Automotive	Clutch Specialist
106	Automotive	Maintenance Technician- Service Workshop
107	Automotive	Repair Painter- Auto body L 3
108	Automotive	Repair Painter Auto body L 4
109	Automotive	Quality Controller
110	Automotive	Service Supervisor
111	Automotive	Spare Parts Operations Executive Level 5
112	Automotive	Spare parts Operations Executive Level 3
113	Automotive	Spare Parts Operations In-charge

11 4	Automotive	Warranty In-charge
11 5	Automotive	Warranty Processor Level 4
11 6	Automotive	Washer