

Vocational Training Centre: N.M.A.M Institute of Technology, Nitte

Suvarna Kayaka Koushalyabhivrudhi Yojane



Inauguration of Vocational Training Centre by Sri. Sadananda Gowda, former Chief Minister of Karnataka

Necessity has been felt at the Government to bridge the unusual gap between demand of manpower requirement and Industrial growth by enhancing the employability of educated youth so that they can get absorbed by industries to get appropriate employees who could be directly put into production line without wasting much time and money on initial in house training. Considering this in collaboration with technical Institutions through District Industries Centre, the Government of Karnataka decided to start Vocational Training Centre under the scheme "Suvarna Kayaka Koushalyabhivrudhi Yojane.

The scheme has mainly twin objectives:

1. Increasing the employability of the educated unemployed youth by providing required vocational training and at the same time to provide ready-to-use manpower to the industries and other service sectors.
2. Establishment of specialized centers will also have direct & indirect positive impact on socio economic development of that particular location. The scheme will be pursued in Private Public Partnership (PPP) model with less intervention from the Department.

Along with the initial financial support, assistance offered, during the first three years will help the centers to sustain at the initial period. Their after the centre is expected to stand on its own and run for atleast 10 years.

Thrust has been given for human resource development in the Industrial policies 2006-11 and 2009-14. As such, Government would promote / help facilitate establishment of specialized skill development institutions at key locations suitable for the manufacturing industries and emerging vocations in the service sector. The Government assistance will be in the form of providing land and financial assistance for creation of basic infrastructure facilities as follows:

(i) Grant of up to 5 acres of Government land will be considered along with capital contribution of 50% of the project cost subject to a ceiling of Rs. 2.00 crores per Training establishment for sector specific trainings.

(ii) Recurring cost for running the training institute, an amount of Rs. 750.00 P.M. per trainee will be provided subject to a ceiling of Rs. 15 lakhs per year for a period of 3 years.

State Level Selection committee has selected 22 institutions in different places of Karnataka. NMAM Institute of Technology, Nitte is one among the 22 Institutions, where inside the campus Vocational Training Centre has been established in association with District Industries Centre, Udupi and centre is recently inaugurated by the former Chief Minister Sri. Sadananda Gowda. The building is ready and the training on some important area such as training on CNC Programming & Maintenance, Lathe & Milling Machine and Special Advanced Computer Application were already started. The process of purchasing of equipment for other areas are in the pipeline. It is proposed to have hands on training in the following areas:

1. Advanced Computer Applications
2. Training on CNC Machine operation, programming & Maintenance
3. 2D & 3D Animation
4. Repair and maintenance of Electrical & Electronics
5. Fashion Designing & Interior Decoration
6. Catering and Bakery Products
7. Plumbing
8. Fisheries & Agro based crafts



Vocational Training Centre: N.M.A.M.I.T. Nitte



Students working in the Machine



Factory Visit



Special Advanced Computer Application

N. M. A. M. INSTITUTE OF TECHNOLOGY

(A Unit of Nitte Education Trust)

(AICTE Approved & Affiliated to VTU, Belgaum)

Nitte – 574110, Udupi District, KARNATAKA

Phone: (08258) 281263, 281264 Fax: (08258) 281265

No. 003/ NMAMIT/ VTC/2013-14

Dated: 13.12.13

VOCATIONAL TRAINING CENTRE, NMAMIT, NITTE.

NOTICE INVITING QUOTATIONS

Sealed quotations are invited for the supply of below mentioned items from registered suppliers

Sl. No	Name of the item	Quantity Required
1	Cathode ray oscilloscope	10
2	Function generator	13
3	Power Supply (0-32V)/2A	15
4	Dual Power Supply	08
5	Digital Multimeter	25
6	Bread Board	20
7	Beautician course kit	02

Last date for receiving the quotations : 15/01/2014(up to 3.00 PM)

Date of opening of quotations at 4.00 PM (if possible): 15/01/2014

Note: Details of Technical Specifications are available at www.nitte.ac.in/nmamit

All further details may be obtained from the office of the principal

Principal

Specification Details:

Sl.No	Name of the Equipment	Specification	Quantity Required
1.	Cathode Ray Oscilloscope	<p>VERTICAL DEFLECTION (Y) Deflection Coefficient: (CH1&CH2): 1mv/div to 5V/div. 5mv/div to 5v/div in 10 calibrated steps in 1-2-5 sequence. ×5 magnification increases the sensitivity to 1mv/ div to 1v/div. Accuracy: ×1:±3%,×5: ±5% Variable: 1 / 2.5 times uncalibrated continuously variable control extends the Deflection Coefficient to more than 12.5v/div. Bandwidth: ×1: DC to 30 MHz (-3dB), dc coupled. 10Hz to 30 MHz (-3dB), ac coupled. ×5: DC to 7MHz (dc coupled) 10Hz to 7MHz (ac coupled). Rise Time: 11.6ns or less Display Modes: CH1,CH2,DUAL (CH1,CH2, ALT/CHOP), Algebraic ADD and Subtract,CH2 INVT & X-Y (CH1 as X, CH2 as Y) Input Impedance: 1M ohms// 25pf approx. Maximum Input Voltage: 300 Volts (dc + peak ac). Internal Trigger Signal: CH1, CH2 or alternate. CH1 SIG OUT Output Voltage: Minimum 20 mV for 1 div of CH1 input Signal Output Impedance: 50 ohms (approx). Bandwidth: 50Hz to 5MHz. TIME BASE: Sweep Speed: 20 Calibrated steps,0.1µs/div to0.2s/div in 1,2&5 sequence Sweep Magnifier: ×5 magnification increases the fastest sweep upto 20ns/div. Accuracy:±3% Variable : Uncalibrated continuously variable control between steps, extends slowest sweep speed to 0.5s/div (approx) ALT MAG Trace: ×5 magnified sweep is displayed along with normal sweep TRIGGER SYSTEM Triggering Mode: AUTO,NORM,TV-V,TV-H Source: INT (CH1 or CH2)/CH2/LINE/EXT Slope: Positive or Negative. Coupling: AC coupling Trigger Sensitivity Internal: Auto: 1.5div-20Hz to 30MHz</p>	10 Nos

		<p>Normal: 1.5div-10Hz to 30MHz Lock: 2.0div-50Hz to 20MHz Alt: \geq 3div-50Hz to 30MHz External: Auto: 0.3vp-p -20Hz to 30MHz Normal: 0.3vp-p -10Hz to 30MHz Lock: 0.3v-50Hz to 20MHz HORIZONTAL DEFLECTION Deflection Coefficient: Same as CH1 Band width: DC- 1MHz(-3dB) Input Impedance: 1M ohms// 25pf approx Phase Difference: \leq3 (DC – 50 KHz). COMPONENT TESTER Component Tester allows V.I characteristics of a device Under Test (D.U.T). Test Voltage: 9V rms (No Load) Test Current: 2mA when shorted.</p>	
2.	Function Generator	<p>Frequency Range: 0.01 Hz to 1MHz in 8 decade ranges. Output waveforms: Sinusoidal, Triangle, Square, Ramp, Pulse, TTL (Sync) and DC outputs. Sine distortion: $<$1 %(typical). Square Wave Rise/Fall Time : $<$75nsec. Frequency Stability : $<$ 0.5% of the set frequency (after ½ Hour warm up.) Duty Cycle: 10% to 90% variable. Maximum Output Voltage a) Into 50 ohms: 10V p-p output. b) Open Circuits: 20V p-p output. Amplitude Indication: 3 digit 7-segment display (V p-p) \pm5%. Amplitude flatness: \pm 0.5dB upto 100KHz range/\pm1.0dBfor 1MHz range. Attenuator: Step Attenuators of 20dB. Attenuator Accuracy: \pm.5dB per 20dB at 1KHz. DC Offset: \pm10V \pm5 % (DC+ AC peak) in open circuit. AC Mains Power: 230V AC \pm10%,50Hz ,15VA.(Approx.)</p>	13 Nos
3.	Power Supply (0-32V)/ 2A	<p>Constant: Output range:0-32V/2A Voltage: Regulation : Line\leq0.01% \pm3mV for 10% change in line Mode: Ripple & Noise \leq1mV rms max Constant: Indication: CV mode LED Green Current: Regulation : Line \leq0.1%\pm1mA for change in Line Mode: Ripple &Noise: \leq2MA rms max. Protections: Automatic Over load and short circuit protection Metering (two meters): Digital Standard: Two output meters to read V/A of each output with a selector switch. In case of dual output Vertical P/S Single DPM withV/A</p>	15 Nos

		selector Switch	
4.	Dual Power Supply	INPUT VOLTAGE: 230V AC $\pm 10\%$, Single phase 50Hz. OUTPUT VOLTAGE AND CURRENT: $\pm 15V$ dual Tracking: ± 13.5 to $\pm 16.5V/2A$ Adjustability: $\pm 10\%$ of rated voltage. Regulation: Line: 0.05%. Load: 0.05% Ripple & Noise: 1mV rms. Protection: Over load & short circuit. Stability: 0.3% Transient Recovery: 100 μ sec. Remote Sensing: Provided for all models with 5A and above.	08 Nos
5.	Digital Multimeter	3 1/2 digit with digital display	25 Nos
6.	Bread Board	-----	20 Nos

Beautician Course Kit:

Sl. No.	Item	Specification	Quantity Required
1	Beautician Course Kit	a)Eyebrows: Thread (90 No.) Brush Scissors(pointed)	2 Sets
2		b) Hair cut: Scissors Comb Dryer Spray	2 Sets
3		c) Facials: Cream Stream Bleach Heads removal Rose water Scrub Cleaning milk	1 Kit
4		d) Pedicure: Nail polish remover Sharpener Warm water Shampoo Pedicure items	1 Kit
5		e) Manicure : Nail Polish Remover Warm water Shampoo Manicure items	1 Kit
6		f)Waxing: Powder Wax Strips Astringent Thread	2 Sets
7		g) Bleaching: Cleansing milk Bleach cream Activates	2 Sets
8		h)Hair Straightening: Hair straitening cream Ironing machine	2 Sets
9		i)Bridal Make up: Falls Hair	1 Kit

