



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**

**KAKINADA – 533 003, AP**

**TENDER NOTICE**

Tender Notice No.JNTUK/1/Gymnasium Equipment / 2012

Date: 18-12-12

Sealed Tenders are invited from reputed Firms / Dealers / Suppliers for the supply of the following items.

1. Gymnasium Equipments for JNTUK Kakinada Indoor Stadium
2. Gymnasium Equipments for UCEK Boys Hostels

The detailed specification, terms & conditions for the items can be obtained from the undersigned from 19-12-12 between 11 am to 5 pm on payment of Rs. 1000/- (Non- Refundable) in the form of Demand Draft payable at Kakinada in favor of **The Registrar, JNTUK Kakinada** drawn on any nationalized bank not earlier than date of this notification. The separate sealed tenders for 1& 2 should reach the undersigned on or before 2.00 pm on 28-12-12.

The University Authorities reserves the right to accept or reject any or all bids without assigning any reasons whatsoever.

Sd/-

**REGISTRAR**



## JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

KAKINADA – 533 003, AP

Tender Notice No.JNTUK/1/Gymnasium Equipment / 2012

Date: 18-12-12

### TERMS & CONDITIONS

#### General Conditions:

1. The tenderer has to quote his offer in figures and words in schedule – A as per the specification given. The quotation should reach this office on or before 28-12-12 by 14:00 hrs. The separate sealed covers for 1 & 2 should be sent by the Registered Post or to be dropped in the sealed box provided in the office of the Registrar. No tender will be accepted after the due date and time. The tender will be opened on 28-12-12 at 14:30 hrs by the undersigned / his nominee in the presence of the committee members and available tenderers or their representatives.
2. **EMD:** The tender documents should be submitted along with earnest money deposit Rs. 10,000/- in the form of Demand Draft in favor of “**The Principal, University College of Engineering, Kakinada**” to be payable at State Bank of India, Engineering College Branch, Kakinada. The Demand Draft pertaining to E.M.D. of unsuccessful party will be returned.
3. **PRICES:** The prices should be F.O.R destination inclusive of all taxes, packing & forwarding charges, freight and delivery charges. Items on rate contract, if any together with the terms and conditions may please be furnished.
4. **PAYMENTS:** 100% payment will be made within a reasonable time only after the receipt of all items good condition and installation as per given specifications and after testing for satisfactory working and on receipt of the company's invoice with all supporting vouchers such a copy of A.P. Sales Tax or VAT Registration certificate etc. No advance will be paid in any case either in part or in full.
5. **ACCEPTANCE:** It is not binding on the University / Institution to accept the lowest of the tenders. The University / Institution reserves the right to place orders for individual items with different tenderers.
6. The given quantities in schedule-A may be increase or decrease according to our requirement
7. **SPECIFICATIONS:** Full specification along with the description, photographs and make should be mentioned in the tender.

8. **WARRANTY / GUARANTY:** Warranty / Guaranty period should as per mentioned in the specifications.
9. **DELIVERY:** The period of delivery at destination from date of placing orders is one week.
10. **VALIDITY:** The quotation should be valid for at least 90 days.
11. The Institution reserves the right to cancel the tender without assigning any reasons.
12. Those who purchased tender schedule officially by paying Rs. 1000/- (Non refundable) in the form of Demand Draft Drawn in favor of the Principal, University College of Engineering, Kakinada payable at Kakinada are only eligible to participate in the tender. Those who have downloaded the tender schedule from the JNTUK Website ([www.jntuk.edu.in](http://www.jntuk.edu.in)) should submit a separate DD for Rs. 1,000/- (Non refundable) along with the quotation.
13. This institution being Government educational institution is exempted from payment of Central / State Excise Duty.
14. Since the college is Government institution whatever conditions are applicable to any Government institute shall be applicable even if not specified.
15. Any tender that is received after due date will not be accepted. The college is not responsible for any postal delay.
16. The tenderer should submit all documents with signature.
17. List of major clients should be provided.

**TENDERER**

**Sd/-**

**REGISTRAR**

## SCHEDULE-A

### 1. Name of the Work: Gymnasium Equipments for JNTUK Kakinada Indoor Stadium

S.No	NAME OF THE EQUIPMENT	QTY	SPECIFICATION	Rate in Rs. fig & words
01	Treadmill	1	<p><b>Speed:</b> 0.8~25km/h. Elevation: 0 ~ 20%. Drive Motor: 5.5 HP AC Treadmill Duty. Drive Control: Hybrid Control. Running Surface: W 560 x L 1600 (mm)  <b>Product Weight:</b> 200 kg. <b>Display:</b> Dot (16 x 24 ) + Alphanumeric. (24 ea), 2 FND, 9 LED Indicator, <b>Frame:</b> Anodized Aluminum Provides not only a stylish look but also an anti-corrosion &amp; anti-abrasion finish. <b>Display Readout:</b> Speed, Grade, time (Elapsed / Remain), Distance (Elapsed / Remain), Calorie, Heart rate, PACE, METS, Cal / min, Workout Profile  <b>Program:</b> 26 Programs, Fit test Program, Navy, Marine, Airforce, Firelighter (on the fly selection) Heart rate system: Intelligent Touch Heart Rate system, Maximum User Weight: 200 kg. <b>USB:</b> Charge only. <b>Fast Track:</b> Speed, Grade, Quick start, Stop, Direct selection key (Speed, Grade), Emergency Stop, Smart Stop: Standard. <b>Belt &amp; Deck:</b> Pre-lubricated Belt and waxed Double sided Deck. <b>Power Source:</b> 220v, 120v (50 / 60 Hz)  <b>Dimension:</b> 960 W x 2158 L x 1612 H (mm)  <b>Make:</b> Reputed Make</p>	
02	Elliptical Cross Trainer	1	<p><b>Resistances :</b> 25 Level(Hybrid Control) <b>Dimension:</b> 2050L x 640W x1670H (mm)  <b>Weight:</b> 110 kg  <b>Display:</b> White FND + Alpha Numeric (16ea), 8x 16 Dot Matrix, 2 FND, 12BLUE LED indicator  <b>Display Readout:</b> Level, RPM, Time (Remain), Pace, CAL, CAL/MIN, WATT, H/R, METS, Vo<sub>2</sub> max with Score (Fit Test Only), Distance (Remain), Speed, Workout Profile.  <b>Program:</b> 16 preset programs, Fit Test Program. <b>On the Fly Programming:</b> Standard, Heart Rate System: Intelligent Touch Heart Rate System (Dual) &amp; Polar Telemetry Receiver, iPod: Sound + Charge,  <b>USB:</b> Charge Only, <b>Fast Track:</b> Standard, <b>Bio Stride:</b> Standard, <b>Accessory:</b> Cup holder, Reading Rack, Accessory Tray, Maximum user weight: 180 kg, <b>Firmware upgrade:</b> Easy firmware upgrades are possible via technical support, <b>Options:</b> Rs-232, CSAFE, HDMI (TV model Only)  <b>Make:</b> Reputed Make</p>	

03	Recumbent Bike	2	<p><b>Resistances</b> : 25 Level(Hybrid Control) Product Size: 1480L x 730W x 1425H (MM)  <b>Weight:</b> 70 kg  <b>Display:</b> White FND + Alpha Numeric (16ea), 8 x 16 Dot Matrix, 2 FND, 12 BLUE LED indicator  <b>Display Readout:</b> Level, RPM, Time, (Remain), Pace, Cal, Cal/Min, Watt, h/R, METS, VO<sup>2</sup> max with score (Fit Test Only), Distance (Remain), Speed, Workout Profile, <b>Program:</b> 16 Preset programs, Fit Test Program, On the fly programming: Standard, Heart Rate System: Intelligent Touch Heart Rate System &amp; Polar Telemetry Receiver, IPod: Sound + Charge, USB: Charge only  <b>Fast Track:</b> Standard, Seat Adjustment: Easy Slide Adjustment, Accessory: Cup Holder, Reading Rack, Accessory Tray, Maximum User Weight: 150 kg, Firmware Upgrade: Easy firmware upgrades are possible via technical support, Options: Rs -232, CSAFE, HDMI (TV model only)  <b>Make:</b> Reputed Make</p>	
04	Upright Bike	2	<p><b>Resistances</b> :25(Hybrid Control) Product Size: 1225L x 610W x 1480H(MM) Weight : 55 kg  <b>Display:</b> White FND + Alpha Numeric (16ea), 8x16 Dot Matrix, 2 FND, 12 BLUE LED Indicator  <b>Display Readout:</b> Level, RPM, Time (Remain), Pace, Cal, Cal / Min, Watt, H/R, METS, Vo<sub>2</sub> max with score (Fit Test Only), Distance (Remain), Speed, Workout Profile, Program: 16 Preset programs, Fit Test Program, On the fly programming: Standard, Heart Rate System: Intelligent Touch Heart Rate System (Dual) &amp; polar Telemetry Receiver, IPod: Sound + Charge, USB: Charge Only, Fast Track: Standard, Seat Adjustment: Gas Assisted Adjustment, Accessory: Cup Holder, Reading Rack, Accessory Tray, Maximum User <b>Weight:</b> 150 kg, Firm Upgrade: Easy firmware upgrades are possible via technical support, Options: Rs – 232, CSAFE, HDMI (TV Model Only)  <b>Make:</b> Reputed Make</p>	
05	Spin Bike	1	<p>Ergonomically correct design. Infinite micro adjustments for seat and handlebars. 2.0 mm oval steel tubing construction. Smooth, durable and quiet poly v-belt. 48.4 lb. Precision balanced chrome plated flywheel. Superior crank system to withstand force. Dual sided pedals with large platform &amp; SPD compatibility. Durable and long lasting belt pads. Ergonomic handlebar design offering riders multiple hand positions. Anatomically designed saddle for peak comfort. Integrated console with heart rate chest strap. Turn knob resistance for easy adjustments. Large diameter floor levelers. Water bottle &amp; adjustable holder. Transport wheels for convenient mobility. Footprint dimensions – 42” x 21” x 40.5”. Product assembled weight – 146.5 lbs. User weight capacity – 300 lbs. <b>Make:</b> Reputed Make</p>	

06	Stretch Machine	1	<p>Ease of use for all: Placard instructs users on the 8 essential stretches. A necessary component to all workouts: Stretching is a great way to start and end each workout with warm-up and cool down to help prevent injuries. Comfortable: Cushioned seat and kneepads help users sit comfortably. Ergonomic design ensures the correct stretching position. Portable: Light weight and small footprint allow for placement anywhere. Low Maintenance: Quality components and superior construction promote years of trouble-free use. Immediate benefits: Users will feel more flexible and prepared for their workouts every time. Dimension: L128xW55xH90(cm)  <b>Make:</b> Reputed Make</p>
07	Pro Dual Multi Press	1	<p>Independent arms with 5 adjustable starting positions enable users greater range of motion as well as both unilateral and bilateral arm movements. Extra-long 360 degree rotating handles self adjust to the users path of motion for both pec and rear delt exercises. Easy, 5-position gas-assisted seat adjustment puts users of any size in proper position. Includes a 210 lb. weight stack with a 310 lb. weight stack option. Works as a modular component on the Pro Dual 3-Stack and 4-Stack Gyms.  <b>Dimensions:</b> 34 W x 57 L x 69 H 86 cm x 145 cm x 173 cm)  <b>Make:</b> Reputed Make</p>
08	Pro Dual Lat Pull Down / Mid Rower	1	<p>No-cable-change design allows user to switch between exercises quickly without adding, connecting or changing cables. Oversized 9" diameter thigh pads easily adjust to provide stability during heavy workouts. Non-skid foot brace and an extra-long seat pad provide stability and support for mid row exercises. Accessory hooks store cable attachments when not in use. Includes a 210 lb. weight stack with a 310 lb. weight stack option. Works as a modular component on the Pro •Dual 3-Stack and 4-Stack Gyms.  <b>Dimensions:</b> 33 W x 68 L x 83 H (84 cm x 173 cm x 211 cm)  <b>Make:</b> Reputed make</p>
09	Pro Dual Pec Dec / Rear Delt	1	<p>Independent arms with 5 adjustable starting positions enable users greater range of motion as well as both unilateral and bilateral arm movements. Extra-long 360 degree rotating handles self adjust to the users path of motion for both pec and rear delt exercises. Easy, 5-position gas-assisted seat adjustment puts users of any size in proper position. Includes a 210 lb. weight stack with a 310 lb. weight stack option. Works as a modular component on the Pro •Dual 3-Stack and 4-Stack Gyms. Dimensions: 34 W x 57 L x 69 H 86 cm x 145 cm x 173 cm)  <b>Make:</b> Reputed make</p>

10	Pro Dual Leg Press / Calf Extension	1	Ergonomic recumbent seat with 12 position adjustable back pad accommodates users of all sizes comfortable and safely for both leg press and calf exercises. Wide rubber, matted non-skid press plate and conveniently placed handgrips provide added stability during maximum pressing. Four bar linkage and oversized pillow block bearings provide smooth, continuous movement throughout each exercise. 2:1 weight ratio with a 210 lb. weight stack provides 420 lbs. of resistance. Also available in a 310 lb. weight stack. Works as a modular component on the Pro •Dual 3-Stack and 4-Stack Gyms. Dimensions: 41Wx78Lx 7H(104 cm x 199 cm x 196 cm) <b>Make:</b> Reputed make	
11	Pro Dual Leg Extension / Leg Curl	1	Custom designed biomechanical seat with a 12-position adjustable back pad to properly align users of all sizes. Oversized 9" diameter self-adjusting leg pad provides comfort and proper alignment during both leg curls and leg extensions. Leg pad has 7 adjustments for both leg curls and leg extensions, providing a greater range of motion during either exercise. Pop-pin adjustable thigh hold-down pad comfortable secures user and helps provide support during exercise. Includes a 210 lb. weight stack with a 310 lb. weight stack option. Works as a modular component on the Pro •Dual 3-Stack and 4-Stack Gyms. <b>Dimensions:</b> 39 W x 49 L x 62 H (99 cm x 124 cm x 158 cm) <b>Make:</b> Reputed make	
12	Pro Dual AB Crunch / Back Extension	1	Dual function oversized 9" diameter adjustable roller pad for comfort in use and proper alignment for both ab and back exercises. Counterbalanced resistance arm with 14 adjustable starting points. Biomechanically angled seat with 5 gas-assisted adjustable positions is user-adjustable to achieve proper pivot point for exercise. 6-position adjustable leg pad/foot brace provides stability for users of all heights. Includes a 210 lb. weight stack with a 310 lb. weight stack option. Works as a modular component on the Pro •Dual 3-Stack and 4-Stack Gyms <b>Dimensions:</b> 51 w x 43 L x 62 H (130 cm x 109 cm x 158 cm) <b>Make:</b> Reputed make	
13	Assist up Chin Up Machine. For Upper Limbs	1	Assist up Chin Up Machine. This equipment is for beginners and advanced users compatible with any weights. , <b>Make:</b> Reputed Make	
14	Multi Bench With Piler	2	Includes Leg Developer. 6-Position Flat / Incline / Decline. Back and seats pads Adjustable Uprights. Dimensions: 43"H x 77"L x 46"W <b>Make:</b> Reputed make	
15	Heavy Duty Flat Incline Decline Bench	2	Full commercial quality with over 1,000 lbs. Quick, easy, solid, and secure 6-position ladder-style back pad adjustment. Improved design features 6-position seat pad adjustment allows all size users to do bent knee sit-ups and ab crunches with proper lower back support and hip alignment. Full 2¾" thick DuraFirm™ Pads will never bottom out. Includes T-Bar Leg Hold Down with oversize rollers for extra comfort and stability. Includes wheels for easy mobility Ideal for home and commercial use. 19"H x 70"L x 28"W <b>Make:</b> Reputed make	

16	Pro- Style AB Board	1	12 adjustment levels. Extra-wide Back pad. Incredibly effective in isolating the entire abdominal region. Exceptional upper back and head support maintain proper body alignment. Unique design provides easy entry and exit. Oversize 8" Foam Rollers for comfort and stability. Assembled Dimensions: 52"H x 54"L x 24"W <b>Make:</b> Reputed make	
17	90' Bench	1	A rock-solid tool ideal for performing. both barbell and dumbbell workouts. Extra-wide and solid base provides maximum stability. Dura Firm™ upholstery is extra thick, double stitched Heavy-duty 2"x 2" and 2"x 3" 12-gauge steel mainframe. Ideal for home and commercial use 20"H x 46"L x 23"W <b>Make:</b> Reputed make	
18	Dumbbells Rack	1	Uses: It is Necessary and essential unit to keep dumbbells on it. Dumbbells Sold Separately 2 Step Rack Lengths: 5 Feet.	
19	PVC Dumbbells (Round in Shape)	500 Kg	Uses: This unites are reserved for various types of body's exercise. It is a universal coefficient of every gym.  <b>Sizes In Kgs</b> (2.5, 5, 7.5, 10, 12.5, 15, 17.5, 20, 22.5, 25)	
20	Plates Rack	1	Uses: It is Necessary and essential unit to keep plates on it. Plates Sold Separately	
21	Rubber Coated Plates (3 Holes)	500 Kg	Uses: This unites are reserved for various types of body's exercise. It is a universal coefficient of every gym.  <b>Sizes In Kgs</b> (1, 2.5, 5, 7.5, 10, 15, 20, 22.5, 25)	

**TENDERER**

**REGISTRAR**



## SCHEDULE-A

### 2. Name of the Work: Gymnasium Equipments for UCEK Boys Hostels

S.No	NAME OF THE EQUIPMENT	QTY	SPECIFICATION	Rate in Rs. fig & words
01	Treadmill	1	<p><b>Speed:</b> 0.8~25km/h. Elevation: 0 ~ 20%. Drive Motor: 5.5 HP AC Treadmill Duty. Drive <b>Control:</b> Hybrid Control. Running Surface: W 560 x L 1600 (mm)</p> <p><b>Product Weight:</b> 200 kg. Display: Dot (16 x 24 ) + Alphanumeric. (24 ea), 2 FND, 9 LED Indicator, Frame: Anodized Aluminum Provides not only a stylish look but also an anti-corrosion &amp; anti-abrasion finish. Display Readout: Speed, Grade, time (Elapsed / Remain), Distance (Elapsed / Remain), Calorie, Heart rate, PACE, METS, Cal / min, Workout Profile</p> <p>Program: 26 Programs, Fit test Program, Navy, Marine, Airforce, Firelighter (on the fly selection) Heart rate system: Intelligent Touch Heart Rate system, Maximum User Weight: 200 kg. USB: Charge only. Fast Track: Speed, Grade, Quick start, Stop, Direct selection key (Speed, Grade), Emergency Stop, Smart Stop: Standard. Belt &amp; Deck: Pre-lubricated Belt and waxed Double sided Deck. Power Source: 220v, 120v (50 / 60 Hz)</p> <p><b>Dimension:</b> 960 W x 2158 L x 1612 H (mm) Make: Reputed Make</p>	
02	Elliptical Cross Trainer	1	<p><b>Resistances :</b> 25 Level(Hybrid Control) Dimension: 2050L x 640W x1670H (mm)</p> <p><b>Weight:</b> 110 kg</p> <p><b>Display:</b> White FND + Alpha Numeric (16ea), 8x 16 Dot Matrix, 2 FND, 12BLUE LED indicator</p> <p>Display Readout: Level, RPM, Time (Remain), Pace, CAL, CAL/MIN, WATT, H/R, METS, Vo<sub>2</sub> max with Score (Fit Test Only), Distance (Remain), Speed, Workout Profile. Program: 16 preset programs, Fit Test Program. On the Fly Programming: Standard, Heart Rate System: Intelligent Touch Heart Rate System (Dual) &amp; Polar Telemetry Receiver, iPod: Sound + Charge,</p> <p>USB: Charge Only, Fast Track: Standard, Bio Stride: Standard, Accessory: Cup holder, Reading Rack, Accessory Tray, Maximum user weight: 180 kg, Firmware upgrade: Easy firm ware upgrades are possible via technical support, Options: Rs-232, CSAFE, HDMI (TV model Only) Make: Reputed Make</p>	
03	Counter Balanced Smith Machine	1	<p>Super-smooth vertical movement up and down the carriage. Safe guided motion to keep you from losing your balance and eliminate the need for a spotter. Ergonomically designed oval, 11-gauge steel that gives a modern look and superior stability. Case</p>	

			hardened rods and high quality bearings ensure smooth performance at any weight. Six Olympic weight plate storage posts to safely suspend plates off the floor for easy access. The perfect full body workout for people who are constantly on the run or unable to get a membership to a gym. Dimensions: 84"H x 50"L x 86"W. Make: Reputed make	
04	Cable Crossover Machine	1	Technologically advanced, it will work virtually every muscle group in your body. Unique, vertically adjustable pulleys swivel smoothly and fully to provide accurate resistance throughout all exercise movements. The benefit to you is impressive strength training abilities, a confident feel while exercising, and a wonderfully smooth workout experience. Optional: Two 235 LB. Weight Stacks – 107 kg each, Two 310 LB Weight Stacks: 141 kg each. Make: Reputed make	
05	Flat Bench	1	Perfect for all basic barbell and dumbbell exercises. Commercial 2"x 3" heavy gauge steel mainframe. Wide base eliminates rocking. Extra-thick DuraFirm™ Pad. All-4-side welded construction. Ideal for home and commercial use. Dimension: 46 L x 23 W x 20 H Make: Reputed make	
06	Preacher Curl Bench	1	Full commercial 2"x 3" high tensile strength steel mainframe. Extra-thick and super tough Dura Firm™ arm and seat pads. Fully adjustable to accommodate all size users. Extra-wide base and bar cradle. Ideal for home and commercial use. Dimensions: 41 L x 31 W x 35 H Make: Reputed make	
07	90' Bench	1	A rock-solid tool ideal for performing. both barbell and dumbbell workouts. Extra-wide and solid base provides maximum stability. Dura Firm™ upholstery is extra thick, double stitched Heavy-duty 2"x 2" and 2"x 3" 12-gauge steel mainframe. Ideal for home and commercial use 20"H x 46"L x 23"W Make: Reputed make	
08	Olympic Bar Holder	1	Uses: It is Necessary and essential unit to keep rods on it. Rods Sold Separately	
19	7" Olympic Bar	2	360kgs Capacity W/ Collar	
20	5" Olympic Bar	2	360kgs Capacity W/ Collar	
21	4" Olympic Bar	2	360kgs Capacity W/ Collar	
	Olympic Curl Bar	1	360kgs Capacity W/ Collar	
	Olympic Triceps Bar	1	360kgs Capacity W/ Collar	

**TENDERER**

**PRINCIPAL**

**Grams: "TECHNOLOGY"**  
**Email: director\_ap@jntuk.edu.in**



**Phone: Off: 0884-2300991**  
**Fax: 0884-2300991**

**Directorate of Academic And Planning**  
**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY: KAKINADA**  
**KAKINADA-533003, Andhra Pradesh (India)**

Lr.No. JNTUK/ DAP/ Substitute Subjects/ 2012

17/12/2012

**Dr. Ch. Sai Babu**

**B.E, M.Tech., Ph.D.**

**Professor of Electrical Engineering Department &  
Director**

To  
The Principals of all Affiliated Colleges  
JNTUK Kakinada.  
Sir,

Sub: - JNTUK – DAP – **Proposed** Substitute Subjects for Readmitted students (R07 to R10) to in **B.Tech II Year- II semester-** Reg.

All the Principals are hereby informed that the following are the substitute subjects for readmitted students in **B.Tech II Year – II semester** i.e. **from R07 to R10**.

<b>BRANCH</b>	<b>THE SUBJECT(S) OF R10 REGULATIONS, ALREADY STUDIES BY THE RE- ADMITTED STUDENTS OF R07 REGULATIONS</b>	<b>SUBSTITUTE SUBJECT(S) FOR THE RE- ADMITTED STUDENTS OF R07 REGULATIONS</b>
CIVIL ENGINEERING	Strength of Materials	Environmental Studies I Year (R10)
MECHANICAL ENGINEERING	Production Technology	Probability and Statistics II Year (R10)
	Mechanics of Solids	Fluid Mechanics and Hydraulic Machinery II Year (R10)
	Metallurgy and Material Science	Managerial Economics and Financial Analysis II Year (R10)

ELECTRICAL AND ELECTRONICS ENGINEERING	Electrical Circuit Analysis- II	Managerial Economics and Financial Analysis II Year (R10)
	Switching Theory and Logic Design	Environmental Studies I Year (R10)
	Pulse and Digital Circuits	Engineering Chemistry II I Year (R10)
	Electrical Circuits and Simulation Lab	Engineering Physics and Engineering Chemistry Laboratory –II I Year (R10)
Chemical Engineering	Momentum Transfer Lab	Chemistry Lab-III II Year (R10)
	Momentum Transfer	Material Science for Chemical Engineering II Year (R10)

Any discrepancy may be brought to the notice of the undersigned mail id:  
dapjntuk@gmail.com

Thanking you,

Director Academic & Planning

Copy to the Secretary to the Hon'ble Vice Chancellor

Copy to the Rector

Copy to the Registrar

Copy to the DE

Copy to the CE and ACE's

Grams: "TECHNOLOGY"  
Email: director\_ap@jntuk.edu.in



Phone: Off: 0884-2300991  
Fax: 0884-2300991

**Directorate of Academic And Planning**  
**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY: KAKINADA**  
**KAKINADA-533003, Andhra Pradesh (India)**

Lr.No. JNTUK/ DAP/ Substitute Subjects/ 2012

17/12/2012

**Dr. Ch. Sai Babu**

**B.E, M.Tech., Ph.D.**

**Professor of Electrical Engineering Department &  
Director**

To  
The Principals of all Affiliated Colleges  
JNTUK Kakinada.  
Sir,

Sub: - JNTUK – DAP – **Proposed** Substitute Subjects for Readmitted students (R07 to R10)  
to in **B.Tech III Year- II semester- Reg.**

All the Principals are hereby informed that the following are the substitute subjects for  
readmitted students in **B.Tech III Year – II semester** i.e. **from R07 to R10.**

<b>BRANCH</b>	<b>THE SUBJECT(S) OF R10 REGULATIONS, ALREADY STUDIED BY THE RE-ADMITTED STUDENTS OF R07 REGULATIONS</b>	<b>SUBSTITUTE SUBJECT(S) FOR THE RE-ADMITTED STUDENTS OF R07 REGULATIONS</b>
MECHANICAL ENGINEERING	Heat Transfer	Thermal Engineering - II (3 <sup>rd</sup> B.Tech. 1 <sup>st</sup> Semester of R-07 Regulations)
COMPUTER SCIENCE ENGINEERING	Design and Analysis of Algorithms	* Distributed Databases (Elective- I : 4 <sup>th</sup> B.Tech. 1 <sup>st</sup> Semester of R-10 Regulations)
INFORMATION TECHNOLOGY	UNIX Programming	* Software Testing Methodologies (Elective-IV: 4 <sup>th</sup> B.Tech. 1 <sup>st</sup> Semester of R-10 Regulations)

Any discrepancy may be brought to the notice of the undersigned mail id:  
dapjntuk@gmail.com

\* The students should not choose these electives in 4<sup>th</sup> year I semester and 4<sup>th</sup> year II semester of R10 regulations.

Thanking you,

Director Academic & Planning

Copy to the Secretary to the Hon'ble Vice Chancellor  
Copy to the Rector  
Copy to the Registrar  
Copy to the DE  
Copy to the CE and ACE's