

MANDATORY DISCLOSURE

The following information is to be given in the information Brochure besides being hosted on the institutions official Website.

I. Name of the institution:

Asansol Engineering College,
Sen Raleigh Road, Kanyapur, Asansol,
Dist:-Bardhaman, State (West Bengal)
Pin-713304. E-mail: dgp_aec@sancharnet.in
Fax: 0341 225-6334 Tel: 0341 225-2253057/2252108

II Name & Address of the Director/Principal.

Dr. Amit Kumar Aditya. (Principal)
Asansol Engineering College, Kanyapur, Asansol,
Dist:-Bardhaman, State-West Bengal. Pin-713304
Tel: 0341 225-6334, Fax:0341 225-6334
E-mail: dgp_aec@bsnl.in

III Name of the Affiliating University.

West Bengal University of Technology
BF- 142, Salt Lake City,
Kolkata-700064
Tel: 033- 23211327/ 1345

IV Governance

- Members of the board and their brief background.
(Kindly refer Annexure-I)
- Members of academic advisory body.
(Kindly refer Annexure-II)
- Frequency of the board meeting and academic advisory body.
Once in 3 months
- Organizational chart and processes
(Kindly refer Annexure-III)
- Nature and extent of involvement of faculty and students in academic affairs /improvements:

In each Semester of every branch of study there is one Student Counselor who is responsible for all the matters regarding all the affairs of students of that very group. He/She keeps track of students' attendance, a result etc. and provides suggestions and guidance if necessary, the Counselor takes up the matter, if necessary, with the respective HoD and with the Principal basing on the merit of problem.

- Mechanism /norms & procedure for democratic /good governance:

For good, efficient and transparent governance always hierarchical order is maintained. All major, academic as well as administrative decisions are always taken collectively.

Student feedback on institutional governance /faculty performance for faculty performance:

On regular basis student feedback is obtained by each and every teacher of all branches of study after completion of his/her prescribed syllabus and submits the same to the respective HoDs who in turn does the assessment and takes on the necessary per group interaction.

- Grievance re-dressal mechanism for faculty, staff, students:

A Grievance re-dressal mechanism is also in existence in the College. A Committee comprising of faculty members with a senior most faculty member as its Chairman
A Complaint Box is kept where Complaint from the students & employees are received. The Complaint Boxes are opened weekly.

V Programmes

- ❖ Name of the programmes approved by the AICTE.

Under Graduate (full time) Programmes

1. Computer Sc. and Engineering.
2. Information Technology
3. Electronics and Communication Engineering
4. Electrical Engineering
5. Applied Electronics and Instrumentation Engineering
6. Mechanical Engineering

Post Graduate (full time) Programmes:

1. M Tech in Electrical Engineering
2. M Tech in Electronics & Communication Engineering
3. Master in Computer Application (MCA)

- ❖ Name of the programmes accredited by the AICTE:

Electronics & Communication Engineering
Electrical Engineering
Computer Science & Engineering

- ❖ For each programme the following details are to be given.
 - o Name
 - Number of seats
 - Duration
 - Cut off mark /rank for admission during the last three years.
 - Fee
 - Placement facilities
 - Campus placement in last three years with minimum salary ,maximum salary and average salary
 - No of Students Branch wise

Name	No. of seats	Duration	Cut off rank*
Electronics & Communication Engineering	90	Four years	7959
Applied Electronics & Instrumentation Engineering	60	Four years	14352
Computer Science & Engineering	90	Four years	9231
Information Technology	60	Four	13798

		years	
Electrical Engineering	90	Four years	10763
Mechanical Engineering	30	Four years	9641
Master of Computer Application	60	Three Years	Admission is going on

Fee Structure

[Common for all programmes]

S.No	Category	Fee Structure					
		Fixed by the State Fee Committee			Being charged by the Institution		
		Under Graduate	Post Graduate (MCA)	Post Graduate (MTECH)	Under Graduate	Post Graduate (MCA)	Post Graduate (MTECH)
1.	Admission Fee	5000.00	5000.00	5000.00	5000.00	5000.00	5000.00
2.	Tuition Fee	43500/annum	70500/annum	62500/annum	70500/annum	70500/annum	62500/annum
3.	University fee (Exam fee, Registration fee etc.)	University Registration Fee: 300.00 University Exam Fee: 700.00 University Development Fee Rs. 500.00/year	University Registration Fee: 300.00 University Exam Fee: 700.00 Development Fee Rs. 500.00/year	University Registration Fee: 300.00 University Exam Fee: 700.00 Development Fee Rs. 500.00/year	University Registration Fee: 200.00 University Exam Fee: 700.00 Development Fee Rs. 500.00/year	University Registration Fee: 200.00 University Exam Fee: 700.00 Development Fee Rs. 500.00/year	University Registration Fee: 300.00 University Exam Fee: 700.00 Development Fee Rs. 500.00/year
4.	Hostel fee (Rent etc.)				Rs. 1000/month	Rs. 1000/month	Rs. 1000/month

Student Placement Record:***Please refer to Annexure-IV*****Details of companies/Industries, which visited the institute for placement since the last three years.**

Sl. No.	Year	Name of the company/industry	No. of students placed
1	2007	CTS, IBM, L & T INFOTECH, PEROT SYSTEMS, Sasken, Satyam, Syntel, TCS, Tech Mahindra, WIPRO, ZENSAR, INTEGRA, VATECH WABAG, PERSISTENT, ACCENTURE, US TECH, I GATE, PRADHAN, HCL COMNET, Supergas, TEGA, TILL, JESHOP, PRADHAN, HM, GENPACT, EMERSON, TOTEM PROJECT, BIECCO LAWRIE, WIPRO BPO, ALLFON, DESCONSOFT, DATA PATTERNS, SLASH SUPPORT, HUAWEI, MPHASIS, SKYTECH, NR SWITCH ,ATLAS, ASSURGENT, Nicco Cable, Salix/Oracle, Greves Cotton, Sriram Values, Balaji Sponge	365
2	2008*	CTS, WIPRO, ACCENTURE, NIIT, TECH MAHINDRA, PEROT SYSTEMS, TATA ELAXI, US TECHNOLOGY, INFOSYS, TVS MOTORS, SATYAM, ZENSAR, PERSISTENT SOL, L & T INFOTECH, SYNTEL, IGATE, L & T Ltd, I-FLEX, SUBEX, L & T (EmSys Division), VA TECH WABAG, ALLFON, BIRLA SOFT, Honeywell Automation, Sapient, Mphasis	380
3	2009*	CTS, WIPRO, ACCENTURE, NIIT, TECH MAHINDRA, PEROT SYSTEMS, TATA ELAXI, US TECHNOLOGY, INFOSYS, TVS MOTORS, SATYAM, ZENSAR, PERSISTENT SOL, L & T INFOTECH, SYNTEL, IGATE, L & T Ltd, I-FLEX, SUBEX, VA TECH WABAG, BIRLA SOFT, Mphasis, TCS, WIPRO,	255

* Continuing

- ❖ Name and duration of programme(s) having affiliation /collaboration with foreign university(s)/institution(s) and being run in the same campus along with status of their AICTE approval. If there is foreign collaboration , give the following details: **NA**

Details of the foreign institution /university:

- Name of the university/ institution
 - Address
 - Website
 - Is the institution /university Accredited in its home country
 - Ranking of the institution /university in the home country
 - Whether the degree offered is equivalent to an Indian degree?
 - If yes, the name of the agency which has approved equivalence. If no, implications for students in
 - Terms of pursuit of higher studies in India and abroad and jobs both within and outside the country.
 - Nature of collaboration
 - Condition of collaboration
 - Complete details of payment a student has to make to get the full benefits of collaboration.
- ❖ **For each collaborative /affiliated programme give the following:**
 - Programme focus
 - Number of seats
 - Admission procedure
 - Fee
 - Placement facility
 - Placement records for last three years with minimum salary, maximum salary and average salary
- ❖ Whether the collaborative programme is approved by AICTE? If not whether the Domestic/ Foreign Institution has applied to AICTE for approval as required under notification no. 37-3/legal/2005 dated 16th May, 2005.

VI FACULTY

- ❖ Branch wise list of faculty members:
 - Permanent faculty
 - Visiting faculty
 - Adjunct faculty
 - Guest faculty
 - Permanent faculty: student ratio

Note: Whether exclusive faculty for PG course is available or the same is being shared with the UG programmes

Name of the Programme (UG & PG)	Total Sanctioned Intake (last 4 yrs. for Engg./Arch./HMCT/ Pharmacy/ Applied Arts etc.) , (last 3 yrs. for MCA and last 2 yrs. for MBA)	Total number of Faculty required as per norms (column 2 divided by 15)	Details of Faculty Available					Nature of Appointment	
			Professors (Rs. 16400-22400 scale)	Asstt. Professors / Readers (Rs. 12000-18000)	Lecturers (Rs. 8000 - 13500)	Total	Others/visiting faculty	Total number of faculty Permanent & Approved by University	Total number of faculty on ad-hoc basis
1	2	3	4	5	6	7	8	9	10
AEI	240	40	03	04	23	30	04	30	Nil
ECE	360								
EE	360	24	01	04	13	18	03	19	Nil
ME	120#	08	02	02	05	09	00	10	Nil
CSE	360	52	01	05	37	43	03	42	Nil
IT	240#								
MCA	180								
Science & Humanities	480	32	02	03	26	31	00	32	Nil

Additional 30 intake has been sanctioned in July 2008

▪ Permanent faculty: student ratio:

1:15

***NOTE: The institution should clearly give information about the faculty in each approved course(s) separately without any ambiguity.**

❖ Number of faculty employed and left during the last three years:
144 /62

VII Profile of director /principal with qualifications total experience, age and duration of employment at the Institute concerned.

For each faculty give a page covering

Principal's Profile: Please Refer Annexure -V

VIII FEE

- ❖ Details of fee as approved by state fee committee for the institution.

Fee Structure

[Common for all programmes]

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		Fixed by the State Fee Committee			Being charged by the Institution		
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4.	Hostel fee (Rent etc.)				Rs. 1000/month	Rs. 1000/month	Rs. 1000/month

- ❖ Time schedule for payment of fee for the entire programme: **May & January**
- ❖ No. of fee waivers granted with amount and name of students: **Nil**
- ❖ Number of scholarships offered by the institute, duration and amount: **Nil**
- ❖ Criteria for fee waivers /scholarships: **NA**
- ❖ Estimated cost of boarding and lodging in Hostels: **Rs. 2500/month**

IX ADMISSION:

- ❖ Number of seats sanctioned with the year of approval:

Branch		2008-09	2007-08	2006-2007	2005-2006
UG(FT)	CSE	90	90	90	90
	IT	90	60	60	60
	EE	90	90	90	90
	ME	60	30	30	30
	AEIE	60	60	60	60
	ECE	90	90	90	90
PG(FT)	MCA	60	60	60	60
	M Tech (EE)	18	NA	NA	NA
	M Tech (ECE)	18	NA	NA	NA

- ❖ Number of students admitted under various categories each year in the last three years.

Branch		2008-09	2007-2008	2006-2007	2005-2006
UG(FT)	CSE	86*	90	90	86
	IT	81*	60	60	49
	EE	85*	90	90	79
	ME	55*	30	30	26
	AEIE	58*	60	60	47
	ECE	84*	90	90	84
PG(FT)	MCA	Admission is on	60	60	49
	M Tech (EE)	Admission is on	NA	NA	NA
	M Tech (ECE)	Admission is on	NA	NA	NA

- **There is a possibility of third counseling by the Central Selection Committee, Government of West Bengal**

- ❖ Number of applications received during last two years for admission under Management Quota and number admitted:

Admission through Management quota has started only in 2007.

X **ADMISSION PROCEDURE:**

- ❖ Mention the admission test being followed ,name and address of the test agency and its URL (Website)
 - West Bengal Joint Entrance Examination Board, West Bengal [JEM-2007] (www.csc-et.org)
 - All India Engineering Entrance Examination (www.aijee.nic.in)
- ❖ Number of seats allotted to different test qualified candidates separately [AIEEE /CET (State conducted tests /University tests)/Association conducted test]:
 - From WB-JEE: 384
 - From AIEEE: 048
 - Management: 048
- ❖ Calendar for admission against management /vacant seats*:

Last date for request for applications:	14 th July 2008
Last date for submission of application	17 th July 2008
Dates for announcing final results	21 st July 2008
Release of admission list (main list and waiting list should be announced on the same day)	21 st July 2008
Date for acceptance by the candidate (time given should in on case be less then 15 days)	4 th August 2008
Last date for closing of admission	16 th August 2008
Starting of the academic session	18 th August 2008
The waiting list should be activated	

only on the expiry of date of main list	
The policy of refund of the fee in case of withdrawal should be clearly notified	Six-month tuition fee + Caution Deposit + Insurance Premium

XI CRITERIA AND WEIGHTAGES FOR ADMISSION**

Describe each criteria with its respective weightages, i.e., admission test marks in qualifying examination etc	All admissions are conducted as per merit list of WBJEM & AIEEE. Entire admission process is controlled by West Bengal Joint Entrance Examination Board, West Bengal
Mention the minimum level of acceptance, if any	Nil
Mention the cut-off level of percentage & percentile score of the candidates in the admission test for the last three years	50% in PCM in 10+2
Display marks scored in test etc and in aggregate for all candidates who were admitted	Annexure - VI

Item no I-XI must be given in information brochure and must be hosted as fixed content in the website of the institution.

The Website must be dynamically updated with regard to XII-XV

XII APPLICATION FORM

- ❖ Downloadable application form, with online submission possibilities.

[Annexure - VII]

XIII LIST OF APPLICANTS

- ❖ List of candidates whose applications have been received along with percentile / percentage score for each of the qualifying examination in separate categories for open seats. List of candidates who have applied along with percentage and percentile score for management quota seats.

[Annexure - VIII]

XIV RESULTS OF ADMISSION UNDER MANAGEMENT SEATS /VACANT SEATS.

- ❖ Composition of selection team for admission under Management Quota with the brief profile of members (This information be available in the public domain after the admission process is over):

1	Dr A K Aditya, Principal	Chairman
2	Mr Atin Choudhury Advisor (A & D)	Member
3	Prof J Mahto, Head, EE	Member
4	Prof F Sinha, Head, ME	Member
5	Prof D Singh, Head, CA	Member
6	Mr S Bhattacharyya, Head, CSE & IT	Member
7	Mr A Kumar, Head, ECE & AEIE	Member
8	Prof A K Ganguly, Prof, ECE	Member

9	Dr H S Dasgupta, Registrar	Member
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- ❖ Score of the individual candidates admitted arranged in order of merit:
[Annexure – VIII]
- ❖ List of candidates who have been offered admission:
[Annexure – VIII]
- ❖ Waiting list of the candidates in order of merit to be operative from the last date of joining of the first list candidates: Nil
- ❖ List of the candidates who joined within the date, vacancy position in each category before operation of waiting list.
[Annexure – VIII]

XV INFORMATION ON INFRASTRUCTURE AND OTHER RESOURCES AVAILABLE:

Library

- Number of library books/titles/journals available (programme wise)

S.No	Course(s)	Number of titles of the books	Number of volumes
1	UG (B Tech- CSE,IT,ECE,EIE,EE,ME)	3578	38572
2	PG (MCA)	305	2550

- List of online national /international journal subscribed.

Journals	
National	International
29 (National) + 05 (International)	05 + E-JOURNAL: includes IEL online & J - Gate

- **E-Library facilities.**
 - Libsys software and bar code reader for online library management is available.
 - IEL(Online): Provides full text access to IEE/ IEEE journals, magazines, conference proceedings etc.
 - DELNET: Provide access to DELNET databases.
 - J-Gate
 - CD – Server
 - E- Learning Resources – Learning materials for 42 courses

Laboratory:

For each laboratory
List of major equipment /facilities
Details of Laboratories & Workshops

Sl. No.	Name Of The Lab	Name Of the LAB	Available Floor Area (Sq. Ft.)	Major Equipment
01	CSE, IT & MCA	Basic Programming Lab	712	10 KVA On-Line UPS, 41 P3 Desktop PC, C, C++
		Object Technology Lab	490	10 KVA On-Line UPS, 29 P4 Desktop PC, C, C++, Java
		Advance Project Lab	695	10 KVA On-Line UPS, 30 P4 Desktop PC , C++, Java, Oracle 10g
		Project Lab	838	10 KVA On-Line UPS, 22 P4 & 4 P3 Desktop PC, C , C++, Java, Sun Solaris.
		DBMS Lab	678	10 KVA On-Line UPS, 26 Thin Client, 2 P4 Desktop PC, C, C++, Oracle 10g, VB.
		Unix & Networking Lab	739	10 KVA On-Line UPS, 38 P4 Desktop PC, Linux.
		Multimedia Lab	540	10 KVA On-Line UPS, 30 P4 Desktop PC, Flash, Adobe Photoshop.
		Numerical & Operation Research Lab	742	10 KVA On-Line UPS, 30 P4 & 3 P3 Desktop PC, C, C++.
		Server Room	247	6.5 KVA On-Line UPS, Windows 2000, Sun Solaris, Novel 6.5, Apple Mac, Citrix Metaframe, SCO Unix.
		Hardware Maintenance Lab	110	2 Mbps Bread Board, Oscilloscope,
		MCA Lab	1120	2 * 6.5 KVA On-Line UPS, 62 P4 Desktop PC, C, C++, Oracle 10g, VB.
		Internet Lab	1250	65 Thin Client Systems with TFT Monitors

Sl. No.	Name of the Course	Name of the laboratory/workshop	Total Area of lab/workshop	Major equipments
02	EE	BASIC ELECTRICAL ENGINEERING LAB	75	<ul style="list-style-type: none"> • Motor-Generator Set, Rectifier Unit i/p- 230V,AC, 1Ph,5A o/p-0-220V,DC,5A
		POWER ELECTRONICS & DRIVES LAB	75	<ul style="list-style-type: none"> 1) PSIM 6.0 SOFTWARE 2) Three phase IGBT based PWM inverter & V/f control trainer 3) D.C Motor control using single phase SCR phase controller 4) Demonstration Panel of PLC 5) Study of PLC based Speed Control of a AC/DC Motor 6) TRIAC controller of a single phase IM 7) Chopper fed control of DC shunt motor. 8) Cycloconverter module. 9) 10 KVA UPS
		ELECT & ELECTRONICS MEASUREMENT LAB	75	
		CONTROL SYSTEMS LAB	100	<ul style="list-style-type: none"> 1) MATLAB 6.1 (Single user licence) 2) MATLAB 7.1 (Ten user license) 3) 100 MHz dual channel digital storage oscilloscope 4) Digital Inverted Pendulum 5) DC Motor & DC Generator TF function finding module 6) Synchro Modules 7) Digital PID Controller 8) Twin Rotor MIMO system 9) Servo Fundamental Trainer consisting of 3 hardware and related software unit 10) Position control system 11) Light intensity controller 12) Relay control system 13) Speed control system 14) Temperature control system 15) Linear System simulator 17) Analog & digital PID controller 18) Potentiometer error detector 19) 5 KVA UPS
		CIRCUIT & SIMULATION LAB	100	<ul style="list-style-type: none"> 1) 10 KVA UPS 2) Computers
		POWER SYSTEMS LAB	100	<ul style="list-style-type: none"> 1) ABCD parameter finding module 2) Break down test of solid insulating material 3) Dielectric test set 4) Tan delta test set 5) Earth resistance measurement test set
		ADVANCED POWER SYSTEM LAB	100	<ul style="list-style-type: none"> 1) ETAP 4.7.4 software 2) PSCAD/EMTDC Software version 4.2 (For 10 user) 3) Portable Digital Power Meter 4) Electrical Test Bench 5) High Accuracy Power Analyzer 6) Mi Power 6.0–Power System Analysis & Simulation Software package 7) Microprocessor based relay

				8) MICON relay 9) Over voltage relay 10) Under voltage relay 11) Over current relay 12) Under current relay 13) 10 KVA UPS
		ELECTRICAL MACHINES LAB	250	1) Rectifier unit (input-440V, Output- 0-220V DC,50A) 2) Rectifier unit (input-440V, Output- 0-220V DC,30A) 3) Dissectible Machine 4) AC/DC motor & generator with virtual instrumentation 5) 6-coil generator 6) Parallel operation of Alternator set
		PROJECT & INTERNET LAB	100	1) 10 KVA UPS 2) Computers with internet facility

SL. No.	Name of the Course	Name of the Laboratories	Carpet Area (LenghtXBreat h)	Name of Equipments
03	ME & Workshop	Machine Shop	98'X77'=7546 Sq. Feet	i. Lathe a)6' b)4' c)6'-11nos
				ii. Shaper-04nos
				iii. Milling-04nos
				iv. Drilling-02nos
				v. Power saw-02nos
				vi. Grinder-01no
				vii. Band saw 01no
		Work Shop	98'X34'=3332 Sq. Feet	viii. MIG Welding-1 set
				ix. Arc Welding-1setup
				x. Gas Welding-1 setup
				xi. Bevel protector combination-05set
				xii. Fitting vice a) 6" b) 8"-20nos
				xiii. Carpentry vice-16nos
				xiv. Air Blower (2HP)-01no
				xv. Miscellaneous tools
		Thermal Power Engineering Lab-I	33'X30.5'=1006.5 Sq. Feet	xv. Air compressor (3HP)
				i. Diesel Engine Test Rig with Electrical Brake.
				ii. Diesel Engine Test Rig with Mechanical Brake.
				iii. Multi Cylinder petrol Engine
				iv. Cut models IC Engine (Diesel & Petrol 2 strokes & 4 strokes)
v. Models of Boiler				
vi. Valve timing Diagram of 2 stroke				
vii. Valve timing Diagram of 4 stroke				
viii. Model of Turbine				
ix. Flash point & Power Point Apparatus with gas cylinder				
Strength Of Materials Lab.	43'X29'=1247 Sq. Feet	i. Universal Testing Machine-99027		
		ii. Rockwell & Brinell Hardness Tester-		
		iii. Deflection of Beam		
		iv. Torsion Testing Machine(RTT20)		

		v. Strain Gauge Attachments vi. Impact Testing Machine
Fluid Mechanics Lab.	49'X29.5'=144 5.5 Sq. Feet	i. Pelton Wheel Turbine(Close Type) ii. Francis Turbine iii. Centrifugal Pump Set iv. Flow through Orifice v. Orifice Meter vi. Venturi Meter vii. Losses In Pipe (Pipe Friction) viii. Reynolds Equipment.
Advance Manufacturing Lab.	33'X24'=792 Sq. Feet	i. CNC Lathe (Turning) ii. EDM
CAD-CAM Lab.	44'X24'=1056 Sq. Feet	i. Auto-Cad software 5 user ii. CATIA software-5 users iii. Computer 30 sets
Dynamic Of Machine Lab.	44'X25'=1100 Sq. Feet	i. Universal Vibration Apparatus ii. Cam Analysis Apparatus iii. Motorized Gyroscope iv. Universal Governor Apparatus v. Static and Dynamic Balancing Apparatus vi. Whirling Of Shaft Demonstration vii. Digital Stroboscope
Metrology and Metallographic Lab.	25'X22'=550 Sq. Feet	i. Depth Gauge(0-150mm) ii. Slip Gauge-83Pcs. iii. Vernier Caliper-150X0.02 iv. Dial Indicator (Range-0-10) v. Height Gauge -12Inch vi. Radius Gauge vii. Dial Caliper viii. Sign Bar ix. Calibrated Steel 25Pcs. x. Metallurgical Microscope-04 xi. Surface Roughness Tester-01 xii. Electronics weighing M/C xiii. Inverted metallurgical microscope with trinocular head-1set with software
Manufacturing Process Lab-II(Sand Testing)	29'X12'=348 Sq. Feet	i. Universal Sand Strength M/C ii. Shear Strength Attachments iii. Tensile Strength Attachments iv. Transverse Strength Attachments v. Sieve Shaker with set of sieves vi. Permeability Meter vii. Mould Permeability tester viii. Core permeability Tube. ix. Core hardness Tester x. Core Sand Mixture(Muller) xi. Split specimen tube xii. Sand Rammer xiii. Base Block xiv. Transverse core Box. xv. Tensile Core Box.
Thermal Engg. Lab-II	33'X25'=825 Sq. Feet	I. Thermal Conductivity of metal ii. Thermal Conductivity of Insulating Slab iii. Heat transfer in Forced convection iv. Heat transfer in Natural Convection

				v. Emissivity Measurement apparatus
				vi. Stefan Boltzmann's Apparatus
				vii. Parallel flow/ Counter Flow heat exchanger
		Graphics Lab.-II	24'X24'=576 Sq. Feet	
		Engg. Graphics Lab-I	31'X24'=744 Sq. Feet	

SL NO	NAME OF THE COURSE	NAME OF THE LABORATORY	CARPET AREA (Sq ft)	EQUIPMENT (MAJOR)
	ECE AND AEIE	ANALOG CKT. LAB	725.81	FUNCTION GENERATOR, 1MHz. CRO , 20 MHz. POWER SUPPLY.0-30 V, 5Amp. PULSE GENERATOR DIGITAL MULTIMETER, 0-20 Amp, 0-500V. DIGITAL & ANALOG IC TESTER V-I FEEDBACK AMPLIFIER PHOTODIODE CHARACTERISTICS DIAC AND TRIAC CHARACTERISTICS THYRISTOR APPLICATION TRAINER TRANSFORMER COUPLED AMPLIFIER TRANSISTOR DC AMPLIFIER UNIUNCTION TRANSISTOR HARTLEY OSCILLATOR COLPITT'S OSCILLATOR WIEN BRIDGE OSCILLATOR CRYSTAL OSCILLATOR R C PHASE SHIFT OSCILLATOR FEED BACK AMPLIFIER TRANSISTOR TRAINER PUSH PULL AMPLIFIER BREAD BOARD KIT AC MILLIVOLTMETER UJT TRAINER
	ECE AND AEIE	DESIGN AND PROJECT LAB	616.67	FUNCTION GENERATOR (1 MHZ) CATHODE RAY OSCILLOSCOPE(20MHZ) DIGITAL STORAGE OSCILLOSCOPE (40 MHZ) COLOUR DISPLAY DIGITAL STORAGE OSCILLOSCOPE (100 MHZ) PROGRAMMABLE ORBITARY FUNCTION GENERATOR(25mhz)
	ECE AND AEIE	DIGITAL ELECTRONICS LAB	713.958	DIGITAL & ANALOG IC TESTER DC REGULATED POWER SUPPLY DIGITAL TRAINER KIT (8 I/P) DIGITAL TRAINER KIT (4/5 I/P) DIGITAL TRAINER KIT (16 I/P) DIGITAL STORAGE OSCILLOSCOPE DIGITAL & ANALOG IC TESTER

	ECE AND AEIE	INDUSTRIAL INSTRUMENTATION LAB	587.56	DEAD WEIGHT TESTER
				TEMPERATURE MONITORING & CONTROL UNIT
				LEVEL MONITORING SYSTEM
				FLOW MONITORING SYSTEM
				MOISTURE MEASUREMENT SYSTEM
				VISCOSITY MEASUREMENT SYSTEM
				STOP WATCH
	ECE AND AEIE	REMOTE CONTROL AND TELEMETRY LAB	725.81	VOLTAGE TELEMETRY
				FREQUENCY TELEMETRY
				PCM SYSTEM
				VCO & PLL TRAINER
				FDM SYSTEM
				4 -20 MA CURRENT TELEMETRY SYSTEM
				SIXTEEN CHANNEL DATA ACQUISITION SYSTEM
				CLOSED LOOP REMOTE CONTROL SYSTEM
	ECE AND AEIE	Transducer and Sensor Laboratory		OSCILLOSCOPE
				STRAIN GAUGE BASED LOAD CELL
				LINEAR VARIABLE DIFFERENTIAL TRANSFORMER
				VARIABLE CAPACITANCE TRANSDUCER
				PROXIMITY SENSOR
				STRAIN BASED TORQUE TRANSDUCER
				STRAIN GAUGE BASED PRESSURE TRANSDUCER
				OPTICAL TRANSDUCER TRAINER
				TEMPERATURE TRANSDUCER TRAINER
				STROBOSCOPE
				STRAIN GAUGES ON BEAM
				STRAIN CANTILEVER
STUDY OF INDUCTIVE PICKUP				
STUDY OF ELECTROMAGNETIC TRANSDUCER				
ECE AND AEIE	DSP LAB	697.67	TMS320VC5402 DSP STARTER KIT.	
			TMS320VC5416 EVALUATION MODULE SYSTEM KIT	
			TMS320C6713 DSP KIT WITH CCS	
			COMPUTERS	
			UPS 5KVA	

ECE AND AEIE	VLSI DESIGN LAB	576.875	XILINX With FPGA & CPLD KIT (LIKE (SPARTRAN-II, VERTEX, COOL RUNNER).
			ORCAD RELEASE 9.1
			SILVACO.
			PCB DESIGN
			COMMSIM.
			Ic Design Tool
			COMPUTERS.
ECE AND AEIE	PROCESS CONTROL LAB:	785.43	THYRISTOR CONTROL FURNACE WITH HONEYWELL MAKES CONTROLLER AND T/C, TT, 24VDCPS, SD, PANEL
			PLC PANEL MOUNTED WITH GE FANUC PLC CARD WITH ACCESSORIES
			BOILER SIMULATION SOFTWARE WITH ENGG CUM OPERATOR STATION WITH 17 INCH MONITORS
			STUDY OF PRESSURE CONTROL LOOPS
			STUDY OF FLOW CONTROL LOOPS.
			STUDY OF LEVEL CONTROL LOOPS.
			DUCT AIR FLOW MONITORING AND CONTROL LOOP
STUDY OF LOOPS WITH DCS PERSONAL COMPUTER.			
ECE AND AEIE	AUDIO & VIDEO ENGG LAB	971.83	DISTORTION METER
			PATTERN GENERATOR
			COLOUR TV PICTURE TUBE
			COLOUR TV TRAINER KIT
			B/W TV PICTURE TUBE
			B/W TV TRAINER KIT
			LOUDSPEAKER
			MICROPHONE
			STAND WITH SCALE
WOBBULATOR			
ECE AND AEIE	MICROPROCESSOR & MICROCONTROLLER LAB:	725.81	8085 TRAINER KIT (ESA) WITH DC PS
			8085 TRAINER KIT (SDA) WITH DC PS
			8086 /88-2 TRAINER KIT (ESA) WITH DC PS
			8086 TRAINER KIT (SDA) WITH DC PS
			ESA – 8051 MICROCONTROLLER KIT WITH DC PS
			EPROM IC

				<p>ESA INTERFACING KITS</p> <ol style="list-style-type: none"> a. 7 SEGMENT LED b. MUSICAL TONE GENERATOR c. KEY BOARD d. TRAFFIC LIGHT CONTROLLER e. ELEVATOR f. STEPPER MOTOR g. REAL TIME CLOCK h. 12 BIT 8 CHANNEL ADC <p>ESA EPROM PROGRAMMER</p> <p>ESA INTELLIGENT UNIVERSAL PROGRAMMER</p>
				<p>ESA 24 CHANNEL LOGIC ANALYZER</p> <p>ESA ICE-2 CIRCUIT EMULATOR</p> <p>MICRO TUTOR LEARNING RESOURCE UNIVERSITY PROGRAM</p> <ol style="list-style-type: none"> 1. CD 2. HARDWARE MODULES 3. 8051 EPB KIT 4. INTERFACING STUDY BOARD 5. PROJECT BOARD 6. APPLICATION SPECIFIC KIT 7. HARDWARE LOCK <p>COMPUTERS</p>
	ECE AND AEIE	MICROWAVE ENGG. & ANTENNA LABORATORY	949.80	<p>KLYSTRON OSCILLATOR BASED MICROWAVE SET UP BENCH (X – BAND)</p> <p>GUNN OSCILLATOR BASED MICROWAVE SET UP BENCH (X – BAND)</p> <p>KLYSTRON OSCILLATOR BASED MICROWAVE HORN ANTENNA SETUP BENCH (X – BAND)</p> <p>MICROWAVE HEATING APPLICATION SETUP BENCH</p> <p>SPECTRUM ANALYZER (GSP – 810) (1 GHZ)</p> <p>TRANSMISSION LINE ANALYZER (TLA – 03)</p> <p>RF ANTENNA SYSTEM TRAINER (ATS 2001)</p> <p>AUTOMATIC RF ANTENNA SYSTEM TRAINER</p> <p>ELECTRO MAGNETIC SIMULATION SOFTWARE (IE3D)</p> <p>CO-AXIAL THERMISTOR SENSOR (30 MW, 220 OHM)</p> <p>POWER METER (AT – 211B)</p>
				<p>DESKTOP PERSONAL COMPUTER</p> <p>DOT MATRIX PRINTER (LX- 300+)</p> <p>UPS</p> <p>SERVO STABILIZER</p> <p>TFT MONITOR</p> <p>PRECISION DIGITAL MULTIMETER</p> <p>ANALOG CRO</p>

				ANALOG AMMETER	
				FUNCTION GENERATOR	
	ECE AND AEIE	COMMUNICATION ENGG. LAB	971.83	AMPLITUDE MODULATION & DEMODULATION KIT	
				FREQUENCY MODULATION & DEMODULATION KIT	
				TIME DIVISION MULTIPLEXING & DEMULPLEXING KIT	
				PULSE AMPLITUDE MODULATION & DEMODULATION KIT	
				PULSE WIDTH & POSITION MODULATION KIT	
				SAMPLE& HOLD KIT	
				ANALOG SIGNAL SAMPLING & RECONSTRUCTION KIT	
				PULSE CODE MODULATION & DEMODULATION KIT	
				DELTA MODULATION & DEMODULATION KIT	
				DATA CONDITIONING & RECONSTRUCTION KIT	
				FREQUENCY SHIFT KEYING TRAINER	
				PHASE SHIFT KEYING TRAINER	
				AMPLITUDE SHIFT KEYING TRAINER	
				BASE BAND COMMUNICATION TRAINER	
				HAMMING ENCODING KIT	
				CATHODE RAY OSCILLOSCPE 100 MHz, 20 MHz,200MHz, 150 MHz.	
				FUNCTION GERERAOR 1 MHz, 15MHz.	
				MULTIMETER	
				SPECTRUM ANALISER 1GHz, 1.5 GHz.	
				EPABX TRAINER	
				POWER SUPPLY	
				PERSONAL COMPUTER	
				AC SERVO VOLTAGE STABILISER	
				AUTOMATIC DISTORTION METER	
					FIBER OPTICS TRAINING LAB KIT-1
					FIBER OPTIC TRAINING LAB KIT-2
					FIBER OPTIC TRAINING LAB KIT-3
					FIBER OPTIC TRAINING LAB KIT-4
		FIBER OPTIC DIGITAL LINK			
		FIBER OPTIC DIGITAL LINK (DL-20)			
		DUAL FIBER OPTIC			
		FIBER OPTIC ANALOG LINK			
		FIBER OPTIC DIGITAL LINK (DL-005)			
		OPTICAL FIBER TRAINER KIT			

	ECE AND AEIE	ADVANCED COMMUNICATION LAB	577.69	OPTICAL FIBER POWER METER
				OPTICAL SOURCE
				SATELLITE COMMUNICATION TRAINER
				WIRE LESS LAN SET UP
				MOBILE PHONE TRAINER
				CDMA DSSS TRAINER
				GSM TRAINER SET UP
				PULSE RADAR SIMULATOR SOFTWARE
				COMPUTERS
				CRO
	ECE AND AEIE	BASIC ELECTRONICS LAB	1344.33	CATHODE RAY OSCILLOSCOPE (CRO)
				OSCILLOSCOPE TRAINER KIT
				FUNCTION GENERATOR
				DIODE & ZENER DIODE KIT
				JUNCTION DIODE RECTIFIER KIT
				FET CHARACTERISTICS KIT
				DIGITAL IC TRAINER KIT
				115 W POWER SUPPLY
				OUT PUT POWER SUPPLY
				REGULATED DC POWER SUPPLY
				MULTIMETER
				A.C MILLIVOLTMETER
				VOLTMETER
				TRANSISTOR TRAINER KIT
				FET TRAINER KIT
				DISTORTION METER
COMPUTER				

S.No	Name of the Course	Name of the laboratory/workshop	Total Area of lab/workshop	Major equipment
04	PHYSICS		150	Hall Effect Set-up; Laser Diffraction Set-up, Planck's Constant Determination Set-up
05	CHEMISTRY		100	Conductivity Meter, pH Meter, De-ionized water plant etc
06	LANGUAGE LAB (HUMANITIES)		60	Audio-Visual Interactive System

R & D Laboratory (Central Facility):

S.No	Name of the Course	Name of the laboratory/workshop	Total Area of lab/workshop	Major equipment
1	-	R & D Lab		UV-Vis Spectrophotometer, Hi-Vac pump, Annealing Furnace

Computing facilities:

- Number and configuration of systems : 683 (PIV-483, PIII- 50, Others-50)
- Total number of systems connected by LAN: 543
- Total number of systems connected to WAN: 02
- Internet bandwidth: 2 Mbps Broadband & 128 Kbps ISDN
- Major software packages available: Application-19 and System-10
- Special purpose facilities available: NAS

WORKSHOP

List of facility available in workshop has been included with Mechanical Department.

Games and Sports Facilities:

One play ground.

One Badminton court.
One Table tennis room.

Extra Curriculum Activities:

Music club, Debate club,
Science club and NSS unit.

Soft Skill Development Facilities

Number of Class Rooms and size of each

30 nos and 75 sq Mt each

Number of Tutorial Rooms and size of each

11 nos and 50 sq Mt each

Number of Laboratories and size of each

38 nos and 4776 sq Mt Total

Number of Drawing Halls and size of each

01 nos and 202 sq Mt Total

Number of Computer Centres with capacity of each

07 nos and 500 sq Mt total

Central Examination Facility, Number of Rooms and capacity of each:

Nil

Teaching Learning process:

- Curricula and syllabi for each of the programmes as approved by the University
- Academic Calendar of the University: **Attached (Annexure-IX)**
- Academic Time Table **Attached (Annexure- X)**
- Teaching Load of Each Faculty **14 hrs/week**
- Internal Continuous Evaluation System in Place: **Yes, as per WBUT rule**
- Students' assessment of Faculty, System in place: **Yes, in every Semester in every subject**

Annexure-I**List of Governing Body Member**

1	Prof S M Chatterjee, Ex-Vice Chancellor, B E College (Deemed Univ)	Chairman
2	Prof S Dasgupta, DTE, Govt of West Bengal	Member
3	Mr R C Bhattacharjee, Vice Chairman, WBSCTE, Govt of West Bengal	Member
4	Mr Taranjit Singh, M D, JSIS Iron & Steel Pvt Ltd	Member
5	Mr Haranjit Singh, Industrialist	Member
6	Mr S M Mukhapadhyaya, IPS, Retd IGP, West Bengal	Member
7	Regional Officer, ERO, AICTE	Member
8	Mr. G.Roychowdhury, M.D., ICE(I), Kolkata	Member
9	Prof. P.Duttgupta, Dept. of Electrical Engg., IIT, Kharagpur	Member
10	Dr Joydeep Mitra, Reader, Deptt of Biotechnology, WBUT	Member
11	Dr A K Aditya, Principal, Asansol Engineering College	Member Secretary

Annexure-II

Member List of academic advisory body (Internal)

1. Principal, Asansol Engineering College. (Chairman)
2. Registrar, Asansol Engineering College (Member)
3. HOD, Computer Sc Engineering Department (Member)
4. HOD, Information Technology Department (Member)
5. HOD, Electronics and Communication Engineering Department (Member)
6. HOD, Electrical Engineering Department (Member)
7. HOD, Mechanical Engineering Department (Member)
8. HOD, CA Department (Member)
9. HOD, Applied Electronics and Instrumentation Engineering Department (Member)
10. HOD, Basic Sc. and Humanities Department (Member)