INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR
STATEMENT OF GRADES OBTAINED FOR THE 10 SEMESTER DUAL DEGREE IN ENGINEERING/TECHNOLOGY LEADING TO THE AWARD OF
BACHELOR OF TECHNOLOGY (HONOURS) AND MASTER OF TECHNOLOGY

Roll No: 17CS30033 **Name: SHIVAM KUMAR JHA** **Year of Admission : 2017-2018**

Course: B.Tech.(Hons.) in COMPUTER SCIENCE AND ENGINEERING and M.Tech. in COMPUTER SCIENCE AND ENGINEERING **Year of Graduation : 2021-2022**

For Semester 1   SGPA: 9.26   CGPA: 9.26

Subno	Name	L-T-P	CRD	GRD
CE13001	ENGINEERING DRAWING AND COMPUTER GRAPHICS	1-0-3	3	A
CS10001	PROGRAMMING AND DATA STRUCTURES	3-0-0	3	EX
CS19101	PROGRAMMING AND DATA STRUCTURES TUTORIAL AND LABORATORY	0-1-3	3	EX
EA10001	EXTRA ACADEMIC ACTIVITY-I	0-0-3	0	Y
EA10005	INDUCTION PROGRAM	0-0-0	0	Y
MA10001	MATHEMATICS-I	3-1-0	4	B
ME10001	MECHANICS	3-1-0	4	EX
PH11001	PHYSICS	3-1-0	4	A
PH19001	PHYSICS LAB.	0-0-3	2	A

For Semester 2   SGPA: 8.91   CGPA: 9.09

Subno	Name	L-T-P	CRD	GRD
CY11001	CHEMISTRY	3-1-0	4	B
CY19001	CHEMISTRY LAB.	0-0-3	2	EX
EA10002	EXTRA ACADEMIC ACTIVITY-II	0-0-3	0	A
EE11001	ELECTRICAL TECHNOLOGY	3-1-0	4	A
EE19001	ELECTRICAL TECHNOLOGY LAB.	0-0-3	2	A
HS13001	ENGLISH FOR COMMUNICATION	3-0-2	4	A
MA10002	MATHEMATICS-II	3-1-0	4	A
ME19001	INTRODUCTION TO MANUFACTURING PROCESSES	0-0-3	2	A

For Semester 3   SGPA: 8.08   CGPA: 8.72

Subno	Name	L-T-P	CRD	GRD
CS21001	DISCRETE STRUCTURES	3-1-0	4	B
CS21003	ALGORITHMS - I	3-1-0	4	C
CS29003	ALGORITHMS LABORATORY	0-0-3	2	A
EA10003	EXTRA ACADEMIC ACTIVITY-III	0-0-3	0	B
EC21103	INTRODUCTION TO ELECTRONICS	3-1-0	4	B
EC29003	INTRODUCTION TO ELECTRONICS LAB.	0-0-3	2	A
EE21101	SIGNALS & NETWORKS	3-1-0	4	C
EE29001	SIGNALS & NETWORKS LAB.	0-0-3	2	A
HS20004	POSITIVE PSYCHOLOGY	3-1-0	4	A

For Semester 4   SGPA: 7.95   CGPA: 8.54

Subno	Name	L-T-P	CRD	GRD
CS20006	SOFTWARE ENGINEERING	3-0-0	3	C
CS21002	SWITCHING CIRCUITS AND LOGIC DESIGN	3-1-0	4	D
CS21004	FORMAL LANGUAGE AND AUTOMATA THEORY	3-1-0	4	B
CS29002	SWITCHING CIRCUITS LABORATORY	0-0-3	2	A
CS29006	SOFTWARE ENGINEERING LABORATORY	0-0-3	2	A
EA10004	EXTRA ACADEMIC ACTIVITY-IV	0-0-3	0	C
HS30047	FRENCH	3-0-0	3	B
MA20104	PROBABILITY & STATISTICS	3-0-0	3	EX

For Semester 5   SGPA: 7.76   CGPA: 8.38

Subno	Name	L-T-P	CRD	GRD
CS31003	COMPILERS	3-0-0	3	D
CS31005	ALGORITHMS -II	3-1-0	4	C
CS31007	COMPUTER ORGANIZATION & ARCHITECTURE	3-1-0	4	A
CS39001	COMPUTER ORGANIZATION LABORATORY	0-0-6	4	A
CS39003	COMPILERS LABORATORY	0-0-3	2	EX
MA60061	STATISTICAL TECHNIQUE & COMPUTER PROGRAMMING	3-1-0	4	A
MA61027	CRYPTOGRAPHY AND NETWORK SECURITY	3-1-0	4	P

For Semester 6   SGPA: 9.27   CGPA: 8.52

Subno	Name	L-T-P	CRD	GRD
BS20001	SCIENCE OF LIVING SYSTEM	2-0-0	2	EX
CS30002	OPERATING SYSTEMS	3-0-0	3	B
CS31006	COMPUTER NETWORKS	3-0-0	3	EX
CS39002	OPERATING SYSTEMS LABORATORY	0-0-3	2	EX
CS39006	NETWORKS LAB.	0-0-3	2	EX
CS39008	PROJECT SEMINAR	0-0-3	2	B
CS40032	PRINCIPLES OF PROGRAMMING LANGUAGES	3-0-0	3	EX
CS60050	MACHINE LEARNING	3-0-0	3	EX
EV20001	ENVIRONMENTAL SCIENCE	2-0-0	2	C

For Semester 7   SGPA: 9.32   CGPA: 8.61

Subno	Name	L-T-P	CRD	GRD
CS41001	THEORY OF COMPUTATION	3-1-0	4	A
CS47007	PROJECT-I	0-0-0	3	A
CS60021	SCALABLE DATA MINING	3-0-0	3	A
CS60038	ADVANCES IN OPERATING SYSTEMS DESIGN	3-0-0	3	A
CS60059	OBJECT ORIENTED SYSTEMS	3-0-0	3	EX
CS60081	USABLE SECURITY AND PRIVACY	3-0-0	3	EX

For Semester 8   SGPA: 9.00   CGPA: 8.66

Subno	Name	L-T-P	CRD	GRD
CS60002	DISTRIBUTED SYSTEMS	4-0-0	4	B
CS60003	HIGH PERFORMANCE IN COMPUTER ARCHITECTURE	4-0-0	4	EX
EP60042(#1)	ENGINEERING DESIGN PROCESS	3-0-0	3	EX
ET60029	TECHNOLOGY FOR SPECIAL NEEDS EDUCATION	3-0-0	3	EX
HS20016	ENVIRONMENTAL HUMANITIES	3-0-0	3	A
HS60005	INTRODUCTION TO INDIAN PSYCHOLOGY	3-0-0	3	C

For Semester 9   SGPA: 9.50   CGPA: 8.76

Subno	Name	L-T-P	CRD	GRD
CS40019	IMAGE PROCESSING	3-0-0	3	A
CS48003	SUMMER TRAINING	0-0-0	2	EX
CS57003	PROJECT- PART 1	0-0-18	12	EX
CS58003	B.TECH. COMPREHENSIVE VIVA	0-0-0	2	EX
CS59001	DESIGN LABORATORY	0-0-3	2	EX
CS60092	INFORMATION RETRIEVAL	3-0-0	3	B
RX60017	SPORTS AND WELL-BEING	2-0-0	2	B

For Semester 10   SGPA: 8.09   CGPA: 8.70

Subno	Name	L-T-P	CRD	GRD
CS43002	DATABASE MANAGEMENT SYSTEMS	3-0-3	5	D
CS57004	PROJECT- PART 2	0-0-20	13	A
CS58004	COMPREHENSIVE VIVA	0-0-0	2	D
CS60064	COMPUTATIONAL GEOMETRY	3-0-0	3	A

Additional subjects taken into account for earning a Micro-Specialisation

Subno	Name	L-T-P	CRD	Semno	GRD
EP60020	FOUNDATIONS OF ENTREPRENEURSHIP	3-0-0	3	6	EX
EP60005	FINANCIAL AND LEGAL ASPECTS OF BUSINESS	2-1-0	3	7	EX
EP60007	TECHNO-ENTREPRENEURIAL LEADERSHIP	3-0-0	3	7	EX

Micro-Specialisation in : ENTREPRENEURSHIP AND INNOVATION   **GPA: 10.0**

#1 sign against a major curricular subject indicates that it has been taken into account for Micro-Specialisation

Total Additional Credits Taken: 9   **Total Additional Credits Cleared: 9**
GPA in Additional Subjects: 10.00

Total Credits Taken in Major Curriculum: 227   Total Credits Cleared: 227   CGPA: 8.70

Date of Issue: 16 June 2022   Checked by Superintendent (Academic):   Deputy Registrar (Academic):

GENERAL INFORMATION

1. **Abbreviations used in the grade card stands for:**

    LTP = Lecture, Tutorial, Practical; figures shown under this column indicate weekly contact hours prescribed for the Subject

    CRD = Credit carried by the Subject

    GRD = Grade obtained by student in the Subject

    CGPA = Cumulative Grade Point Average

    SGPA = Semester Grade Point Average

    GPA = Grade Point Average

2. **English is the medium of instruction at all levels.**

3. **Extra Academic Activity (EAA) subjects include NCC, NSS and NSO, NCA.**

4. **The seven-point letter grade system followed by the institute in assessing student's performance in a subject is as follows:**

Performance	Letter Grade	Grade Point Value Per Credit
Excellent	EX	10
Very Good	A	9
Good	B	8
Fair	C	7
Average	D	6
Pass	P	5

5. **Highest possible CGPA in the system is 10.00. No rank or class or division is awarded. The CGPA may be multiplied by a factor of 10 to obtain the numerical percentage for those students who have graduated in 2020-2021 or earlier.**
   The Conversion formula to be effective for all students from the graduation year 2021-2022 is as follows:
   Percentage of Marks=(20/7)*{(4*x)-5}, [where, x is CGPA]

6. **(I)** A student is awarded a B.Tech. (Hons.); B.Arch. (Hons.); Dual Degree for B.Tech. (Hons.) & M.Tech.; Integrated B.Sc. (Hons.) and M.Sc.; Integrated B.Sc. (Hons.) and M.Sc. & M. Tech.; 4 Yrs. B.S.; 2 Yrs. or 3 Yrs. M.Sc. on completion of the curricular requirement with a minimum CGPA of 6.00.

   (II) The credits and grades obtained in additional subjects optionally taken by a student on satisfying the prescribed conditions do not contribute towards the CGPA.

   (III) The CGPA obtained by a student in additional subjects is computed separately. For the award of MINOR degree in a particular discipline, the credits and grades of the additional and other subjects that are taken into account are separately indicated along with the computed GPA.

   (IV) Minimum GPA for a Minor in any discipline is 6.00.

7. **Duration of Course**

   Minimum duration of the B.Tech. (Hons.); B.Arch. (Hons.); Dual Degree for B.Tech. (Hons.) & M.Tech. (or MBA); Integrated B.Sc. (Hons.) and M.Sc.; Integrated B.Sc. (Hons.) and M.Sc. &M. Tech.; B.S. and M.Sc. degree is given on the front cover page.
   However, with the approval of the Senate a slow paced student may take more semesters to complete the degree requirements.

INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

Statement of Academic Performance

of

SHIVAM KUMAR JHA

Five Year Programme in

BACHELOR OF TECHNOLOGY (HONOURS)
AND
MASTER OF TECHNOLOGY