INDIAN INSTITUTE OF INFORMATION TECHNOLOGY, KALYANI

Minutes of the 1st Senate Meeting held on 19th October, 2019 at 4:00 p.m. at IIT Kharagpur Extension centre, Saltlake, Kolkata

The Proceedings of 1st senate meeting of Indian Institute of Information Technology, Kalyani held on 19th October, 2019 at 4:00 p.m. in the meeting room of IIT Kharagpur Extension centre, Kolkata in presence of the following members.

Members Present

1) Prof. Sriman Kumar Bhattacharyya , Mentor-Director - Chairperson.
2) Mr. S. N. Datta, Registrar(Offg.).
3) Prof. ChandanMazumdar,   External Expert nominated by the Governing Body.
   Deptt. of Computer Science & Engineering,
   Jadavpur University, Kolkata.

4) Dr. Imon Mukherjee,
   Assistant Professor, IIIT Kalyani
5) Dr. Uma Das,
   Assistant Professor, IIIT Kalyani
6) Dr. SK Hafizul Islam,
   Assistant Professor, IIIT Kalyani
7) Dr. Oishila Bandyopadhyay,
   Assistant Professor, IIIT Kalyani
8) Dr. Sanjoy Pratihar ,
   Assistant Professor, IIIT Kalyani
9) Dr. Sanjay Chatterji,
   Assistant Professor, IIIT Kalyani
10) Dr. Dalia Nandi,
    Assistant Professor, IIIT Kalyani
11) Dr. Anirban Lakshman,
    Assistant Professor, IIIT Kalyani
12) Dr. Debasish Bera,
    Assistant Professor, IIIT Kalyani
13) Dr. Bhaskar Biswas,
    Assistant Professor, IIIT Kalyani
14) Dr. Madhumita Sengupta,
    Assistant Registrar, IIIT Kalyani - Secretary

Members absent

1) Prof. Indranil Sengupta,   External Expert nominated by the Governing Body
   Department of Computer Science & Engineering
   Indian Institute of Technology, Kharagpur.
2) Prof. Hafizur Rahaman,   External Expert nominated by the Governing Body
   Deptt. of Information Technology, IIEST, Shibpur.

At the outset Chairman of senate, Prof. Sriman Kumar Bhattacharyya extended a hearty welcome to the members present and briefed the members about the present academic status of IIIT, Kalyani.

The agenda items were taken up and the following resolutions were taken:

Item number 1: Ratification of Ordinance for B. Tech program offered by IIIT Kalyani. Section A: Credit Based Continuous Assessment and Award (CCLCAA) Ordinance, and Section B: Admissions, Program Layout and Examinations (APE).

Resolution:
Both the section of the ordinance placed for ratification. Confusions in ordinance related to grading system, attendance and other matters were addressed with justifications. Members decided to check further and placed for approval in its next meeting.

Item number 2: Rules to be framed -
a) for awarding two bonus credit points for additional courses from NPTEL.
b) to launch any elective subjects (i.e., minimum number of registrations etc.)
c) to prescribe the procedures to be incorporated for new course and faculty feedback mechanism.

Resolution:

a) Senate agreed to give extra credits based on the relevance of the paper and the number of course hours. Senate advised to verify eligibility of credit through NPTEL coordinator.

   '2' credit for 30 and 40 hours courses and '1' credit for 10 and 20 hours courses are recommended.

   NPTEL coordinator was advised to recommend the paper wise credit for individual student to examination cell for record. Examination cell will further take necessary action to include in respective students semester grade card. This extra credit will not be considered during SGPA and CGPA calculations as advised by Senate.
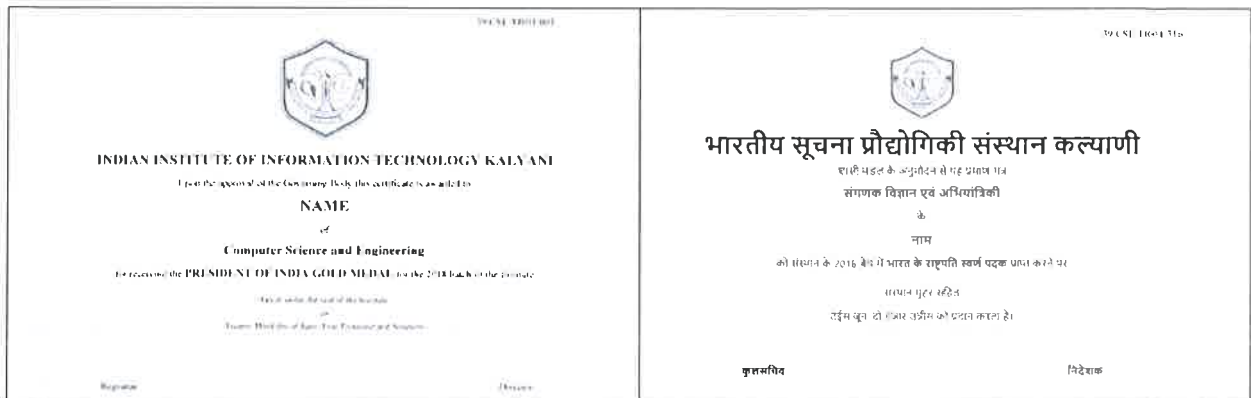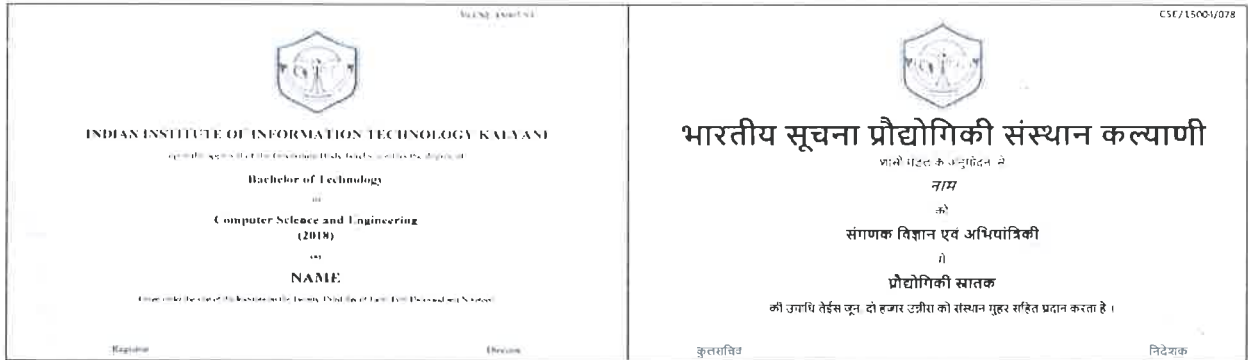
b) To launch any elective subject the minimum number of registration should be more than or equal to 10% of the batch size. In case of less that 10%, special approval to be taken, from Senate/Chairperson Senate, to offer such papers.
   Senate advised to incorporate new courses through Senate with the recommendation of two renowned experts of that field. Any faculty members if desired to start new courses in elective, need to take advice/endorsement from experts of that field on syllabus and submit the full weekly plan with detailed syllabus for further approval of Senate / Chairman Senate.

c) Senate agreed to incorporate faculty feedback mechanism. Faculty coordinator was advised to conduct the feedback. Unless students' fill-up the feedback they will not get admit card for end semester examination. Senate advised to submit the format for feedback and get it approved during its next meeting.

Item number 3: Finalization of Examination Rules and Regulation.
  a) **Attendance rule - issues related to students having low attendance (below 75%)**
  b) **Mid-semester re-test issue on medical grounds, social obligations, participating/representing in sports or cultural events, placement activities etc.**
  c) **Degree with distinction, certificate format.**

Resolution:

a) Reported by members that in case Institute implement strict rules of compulsory 50% attendance on final year, then more that 25% students will be deregistered because of low attendance for long internship and placement related issues. Senate advised to implement attendance rules for 1st to 3rd year by giving them little relaxation for first time only (for autumn 2019 examination). Chairperson advised the faculty members to give advisory to students time to time with low attendance followed by a cut-off date and then calculate the attendance for deregistering students, to maintain uniformity, in faculty meeting.

b) Senate ratified the certificate and mark-sheet formats of B. Tech degree and agreed in principle to give distinction from current passing batch in the year 2020 and advice to check the nomenclature to be used for distinction. Members proposed two options B. Tech with distinction or B. Tech with honours. Senate advised the nomenclature to be decided in next Senate meeting after checking with other IIITs.

Mark-sheet format

Item number 4: Ratification of student's list eligible for supplementary/re-registration based on pending credits.

Resolution:

List of students with pending credits and offered credits during autumn semester 2019 is placed before senate for ratification.

The papers offered during autumn semester 2019 are in annexure A.

Senate ratified the same.

Item number 5: Starting of M. Tech. and/or B. Tech.(ECE) courses from next academic year.

Resolution:

Senate in principle had agreed to the proposal to start the courses of M. Tech and B. Tech (ECE) and advised to bring the complete proposal such as curriculum, detail syllabus, infrastructure feasibility, number of students and other financial implications for further approval by Senate in next meeting.

Item number 6: To Seek approval for summer semester. To decide, on the backlog papers for students having poor performance. A decision to be taken regarding tuition fee or any other fee.

Resolution:

Senate accepted the concept of summer semester from current academic year. If 10% of the class strength enrolled for any subject in summer semester then only institute will offer that paper, otherwise student needs to do self-study and appear for examination during supplementary examination in the month of July.

Faculty members are informed to publish the failure list with a tag "subject to finalization" of their respective papers immediately within 15 days from the examination so that students can be able to appear for summer semester or prepare for supplementary examinations well in advance.

Senate decided the course fee for summer semester amounting to Rs. 15,000/- per paper per student and honorarium for faculty members and guest faculty members as per normal terms that is Rs. 2,500/- per lecture hour. Total number of hours per subject will be in general half the normal semester, i.e. 20 hours per paper per semester during summer semester.

Item number 7: Ratification of Prabhat Kumar Jha case. Amalgamation of blank semester on medical ground.

Resolution:

Senate accepted Prabhat Kumar Jha's request to consider his medical leave and declare his second semester as blank semester as per rules of B. Tech Ordinance and allowed him to continue his study from third semester. Senate advised to offer all the second semester papers during Spring 2019-20 with other 4th semester papers subject to maximum credits limit. Senate noted that he had paid his second semester tuition fees on time.

Item number 8: REGULAVALASA HARSHAVARDHAN (Regno.15159/118) and M. K. K. Naik - pending case.

Resolution:

Dr Uma Das, PI Exam and Dr Madhumita Sengupta, OIC Exam reported Senate about an incident took place last year, where disciplinary action has been taken against Mude Krishna Koushik Naik (CSE/15022/77) and Regulavalasa Harshavardhan (CSE/15159/118) for impersonation during supplementary examination. (Annexure C)

Senate decided to allow Regulavalasa Harshavardhan Reg. 15159/118 to appear end semester examination for all the three pending papers and advised faculty members to mark him out of 100.

Item number 9: Ratification of Ph. D Ordinances and Regulations regarding -

   a) **Cancellation of registration of the candidate enrolled for PhD. and to decide on the exit criteria from PhD courses.**
   b) **Decision regarding coursework mark-sheet/certificate to be issued after completion of coursework or registration.**
   c) **Ph. D coursework in collaboration with other Institutes**
   d) **Clarification regarding self-financed and external category.**
   e) **Ratification of DS Committee and approval of minutes of 1st and 2nd meeting.**
   f) **Change of 1st supervisor for the students of Dr. Sandip Karmakar and Dr. Tamal Ghosh respectively.**

Resolution:

   a) Senate was informed by Faculty In-Charge PhD about three students who are not at all reporting to the respective supervisors. Out of three, one of them requested for medical leave. Chairman Senate instructed supervisor to inform her to write a letter regarding medical leave and on receipt of medical documents decision will be taken. For other two scholars they should be informed about termination of PhD course at IIIT Kalyani.

   b) Those students who are requesting for coursework completion grade sheet/certificates may get it in form of certificates issued by supervisor. Otherwise Supervisors are requested to give a coursework completion letter as an internal document mentioning the credits taken during coursework and circulate the same internally during the registration process.

   c) Senate allowed Ph. D coursework in collaboration with other Institutes with INI status (Institute of National Important) and or Institute with NIRF ranking.

   d) In the Ph.D. ORDINANCE & REGULATIONS, NOVEMBER 2017 under ELIGIBILITY CRITERIA FOR ADMISSION INTO Ph.D. PROGRAMME
      i)

> *"A.1.2 Bachelor's degree in Engineering/Technology or Master's degree in Science in a relevant area with a minimum CGPA of 7.5 or 70 % of marks. The candidate should be GATE/NET qualified."*
>
> **<u>to me modified as</u>**
>
> *"A.1.2 Bachelor's degree in Engineering/Technology or Master's degree in Science in a relevant area with a minimum CGPA of 7.5 or 70 % of marks. The candidate should preferably be GATE/NET qualified."*

   ii)

> *"A.2.1 and A.2.3"* *The candidate should be GATE/NET qualified.*
>
> **to me modified as**
>
> *"The candidate should preferably be GATE/NET qualified"*

iii)

> *A.2.3 Bachelor's degree in Engineering/Technology or Master's degree in Science in a relevant area with a minimum CGPA of 7.5 or 70% of marks. The candidate should be GATE/NET qualified.*
>
> **to me modified as**
>
> *A.2.3 Bachelor's degree in Engineering/Technology with a minimum CGPA of 7.5 or 70% of marks. The candidate should preferably be GATE/NET qualified.*

iv) Under REGULATIONS, sl no 1. CATEGORIES OF Ph.D. STUDENTS, 1.3 SELF-FINANCED to be kept in hold. No self sponsored or self financed PhD categories to be advertised until further order from Senate.

e) Senate ratified the DSC committee and its 1st and 2nd minutes of the meeting.

f) Dr. Sandip Karmakar and Dr. Tamal Ghosh have resigned from the Institute and thus Senate ratified the change of 1st supervisor of their scholars. Scholar of Dr Sandip Karmakar will be supervised by Dr Debasish Bera and two scholars of Dr Tamal Ghosh will be supervised by Dr Dalia Nandi and Dr Uma Das. Senate advised to take two DSC members from sister department for scholar of ECE department as the Institute is only having one faculty member in ECE domain as a special case for Ms. DEBIKA CHAUDHURI.

Item number 10: **To consider revision of academic curriculum as suggested by Governing Body to implement full six-month internship for the students and to frame its modalities.**

Resolution:

Senate decided to keep CGPA cut-off for 6 month' internship as 7.5. Senate advised to take mid semester examination for students on internship through online, by submission of assignments.

Item number 11: **To consider and nominate two faculty members on the Governing Body.**

Resolution:

Senate nominated senior most faculty members Dr Uma Das and Dr Imon Mukherjee as a member of Governing Body for two years with immediate effect.

Item number 12:   **Any other matter with the permission of the chair.**

a) If some student does some extra project/social work/photography/music etc., any extra curricular activity, they can earn extra credit which will be recorded in their grade sheet but will not be a part of degree program or SGPA/CGPA calculation.

b) Senate decided the minimum criteria for PhD award should be as at par UGC new rule. Before submission of Thesis PhD Scholar must have one SCI, non-paid Journal and two International Conferences publications. Scholar must present paper in those conferences.

c) Senate decided to take supplementary examination once in a year. For the upcoming academic year senate decided to take supplementary examination in the month of July, 2020 with one grade less, except medical ground or any special ground with the prior approval of the competent authority.

d) Syllabus for B. Tech CSE ratified by the senate attached in annexure B.

e) Foreign language courses may be incorporated at IIIT Kalyani. Senate advised to submit the complete proposal for further approval in next meeting.

f) Senate advised to cancel the answer-script of the student who had taken answer-script out of examination hall and to take a re-test with a warning.

g) Senate meeting will occur quarterly. Next meeting is scheduled in the month of January, 2020. Senate advised to note all the faculty members' achievements between two meetings and instructed to report in next meeting.

Dr. Madhumita Sengupta,
Assistant Registrar, IIIT Kalyani – Secretary

Approved by

Prof. Sriman Kumar Bhattacharyya
Mentor-Director, IIIT Kalyani and
Chairman Senate

(Papers offered for registration during July- December 2019)

Student wise List (Batch 2015-16)

Slno	Name	Roll	Code	Subject	Credits	with
1.	REGULAVALASA HARSHAVARDHAN	118	IT - 404	Formal Language and Automata theory	4	CS-303
			CS-722	Data analytics and optimization techniques	3	7th Elective
			CS-811	Comprehensive viva	3	CS-811
Total Credit					**10**	

Student wise List (Batch 2016-17)

Slno.	Name	Roll	Code	Subject	Credits	with
			Pending papers			
1.	ABHIJEET RAJ	134	CS-501	Algorithm I	4	CS-302
			CS-503	Machine Learning	3	-NF-
			CS-513	Project I	3	CS-591
			New papers from current semester			
			CS-701	Algorithm II	3	CS-701
			CS-702	Artificial Intelligences	3	CS-702
			CS-703	Software Engineering	3	CS-703
				Elective II	3	
			CS-711	Algorithm II Lab	2	CS-711
			HU – 711	Soft skill development	2	HU – 711
			CS-791	Project II	8	CS-791
Total Credit					**31**	**NF -3**
			Pending papers			
			CS-503	Machine Learning	3	-NF-
			New papers from current semester			
2.	CHIVTE KRISHNA	144	CS-701	Algorithm II	3	CS-701
			CS-702	Artificial Intelligences	3	CS-702
			CS-703	Software Engineering	3	CS-703
				Elective II	3	
			CS-711	Algorithm II Lab	2	CS-711
			HU – 711	Soft skill development	2	HU – 711
			CS-791	Project II	8	CS-791
Total Credit					**24**	**NF -3**
			Pending papers			
			MA-101	Mathematics I	4	MA-101
			MA-301	Mathematics III	3	MA-301
			CS-612	Database Management System Lab	2	-NF-
			New papers from current semester			
3.	MANISH TOMAR	149	CS-701	Algorithm II	3	CS-701
			CS-702	Artificial Intelligences	3	CS-702
			CS-703	Software Engineering	3	CS-703
				Elective II	3	
			CS-711	Algorithm II Lab	2	CS-711
			HU – 711	Soft skill development	2	HU – 711
			CS-791	Project II	8	CS-791
Total Credit					**31**	**NF - 2**
			Pending papers			
4.	AKASHDEEP	163	MA-101	Mathematics I	4	MA-101
			PH-101	Physics	4	PH-101

Slno.	Name	Roll	Code	Subject	Credits	with
			MA-201	Mathematics II	4	-NF-
			PH-201	Physics II	4	-NF-
			HU-301	Humanities (Economics)	3	-NF-
			MA-301	Mathematics III	3	MA-301
			CS-302	Data structure and algorithms	4	-NF-
			CS-501	Algorithm I	4	CS-302
			CS-502	Operating System	3	-NF-
			CS-503	Machine Learning	3	-NF-
			CS-601	Compiler Design	3	CS-501
			CS-602	Database Management System	3	-NF-
			New papers from current semester			
			CS-701	Algorithm II	3	-NF-
			CS-702	Artificial Intelligences	3	-NF-
			CS-703	Software Engineering	3	CS-703
				Elective II	3	-NF-
			CS-711	Algorithm II Lab	2	-NF-
			HU – 711	Soft skill development	2	HU – 711
			CS-791	Project II	8	-NF-
	Total Credit			23		**NF-43**
			Pending papers			
			CS-513	Project I	3	CS-591
			New papers from current semester			
5.	CHOUTIPALL I T S S KRISHNA	168	CS-701	Algorithm II	3	CS-701
			CS-702	Artificial Intelligences	3	CS-702
			CS-703	Software Engineering	3	CS-703
				Elective II	3	
			CS-711	Algorithm II Lab	2	CS-711
			HU – 711	Soft skill development	2	HU – 711
			CS-791	Project II	8	CS-791
	Total Credit			27		
			Pending papers			
			CS-501	Algorithm I	4	CS-302
			CS-502	Operating System	3	-NF-
			CS-601	Compiler Design	3	CS-501
			New papers from current semester			
6.	D J NAGA VENKATA SAI TRINADH	169	CS-701	Algorithm II	3	CS-701
			CS-702	Artificial Intelligences	3	CS-702
			CS-703	Software Engineering	3	CS-703
				Elective II	3	
			CS-711	Algorithm II Lab	2	CS-711
			HU – 711	Soft skill development	2	HU – 711
			CS-791	Project II	8	CS-791
	Total Credit			31		**NF-3**
			Pending papers			
			PH-101	Physics	4	PH-101
			ET-201	Basic Electronics Engineering	4	EC-101
			HU-301	Humanities (Economics)	3	-NF-
7.	RATHOD SAICHARAN	185	MA-301	Mathematics III	3	MA-301
			CS-501	Algorithm I	4	CS-302
			CS-502	Operating System	3	-NF-
			CS-503	Machine Learning	3	-NF-
			EC-501	Microprocessor and Microcontroller systems	3	EC-501
			CS-601	Compiler Design	3	CS-501

Slno.	Name	Roll	Code	Subject	Credits	with
			CS-602	*Database Management System*	*3*	*-NF-*
			CS-614	Project II	3	CS-791
			New papers from current semester			
			CS-701	*Algorithm II*	*3*	*-NF-*
			CS-702	*Artificial Intelligences*	*3*	*-NF-*
			CS-703	Software Engineering	3	CS-703
				Elective II	*3*	*-NF-*
			CS-711	*Algorithm II Lab*	*2*	*-NF-*
			HU – 711	*Soft skill development*	*2*	*-NF-*
			CS-791	*Project II*	*8*	*-NF-*
Total Credit					**27**	**NF-33**
			Pending papers			
			PH-101	Physics	4	PH-101
			CE-101	*Environmental Science*	*2*	*-NF-*
			CS-502	*Operating System*	*3*	*-NF-*
			EC-501	Microprocessor and Microcontroller systems	3	EC-501
			CS-601	Compiler Design	3	CS-501
			CS-602	*Database Management System*	*3*	*-NF-*
8.	ROHIT KUMAR	186	*CS-612*	*Database Management System Lab*	*2*	*-NF-*
			New papers from current semester			
			CS-701	Algorithm II	3	CS-701
			CS-702	Artificial Intelligences	3	CS-702
			CS-703	Software Engineering	3	CS-703
				Elective II	3	
			CS-711	Algorithm II Lab	2	CS-711
			HU – 711	Soft skill development	2	HU – 711
			CS-791	*Project II*	*8*	*-NF-*
Total Credit					**26**	**NF-18**

Student wise List (Batch 2017-18)

Slno.	Name	Roll	Code	Subject	Credit	with
			Pending papers			
			HU-301	*Humanities (Psychology)*	*3*	*HU-301*
			New papers from current semester			
			HU-501	Humanities (Financial Management and Organizational Behaviour)	4	HU-501
			CS-501	Compiler Design	3	CS-501
1.	ABHISHEK GHARAMI	201	CS-502	Artificial Intelligence	3	CS-502
			EC-501	Microprocessor and Microcontroller System	3	EC-501
				Elective - I	3	
			CS-511	Compiler Design Lab	2	CS-511
			EC-511	Microprocessor and Microcontroller System Lab	2	EC-511
			CS-591	Project I (A)	3	CS-591
Total Credit					**26**	
			Pending papers			
			MA-301	*Mathematics III (Differential calculus TC)*	*3*	*MA-301*
2.	ADITYA RAJ	206	**New papers from current semester**			
			HU-501	Humanities (Financial Management and Organizational Behaviour)	4	HU-501
			CS-501	Compiler Design	3	CS-501

Slno.	Name	Roll	Code	Subject	Credit	with
			CS-502	Artificial Intelligence	3	CS-502
			EC-501	Microprocessor and Microcontroller System	3	EC-501
				Elective - I	3	
			CS-511	Compiler Design Lab	2	CS-511
			EC-511	Microprocessor and Microcontroller System Lab	2	EC-511
			CS-591	Project I (A)	3	CS-591
Total Credit					**26**	
			Pending papers			
			MA-301	Mathematics III (Differential calculus TC)	3	MA-301
			CS-313	IT workshop – I (Python)	2	CS-313
			MA-401	*Mathematics IV (Numerical methods)*	*4*	*-NF-*
			New papers from current semester			
			HU-501	Humanities (Financial Management and Organizational Behaviour)	4	HU-501
3.	*BHABANI SHANKAR HEMBRAM*	224	CS-501	Compiler Design	3	CS-501
			CS-502	Artificial Intelligence	3	CS-502
			EC-501	Microprocessor and Microcontroller System	3	EC-501
				Elective - I	3	
			CS-511	Compiler Design Lab	2	CS-511
			EC-511	Microprocessor and Microcontroller System Lab	2	EC-511
			CS-591	Project I (A)	3	CS-591
Total Credit					**28**	**NF-4**
			Pending papers			
			MA-101	Mathematics I	3	MA-101
			ET-111	Analog Electronic lab	2	EC-111
			CS-201	*Data Structure and Algorithms*	*4*	*-NF-*
			EC-201	*Digital Electronics*	*3*	*-NF-*
			MA-201	*Mathematics II (Probability and Statistics)*	*3*	*-NF-*
			MA-301	Mathematics III (Differential calculus TC)	3	MA-301
			CS-302	Algorithm I	4	CS-302
			CS-303	Formal language and automata theory	4	CS-303
			CS-313	IT workshop – I (Python)	2	CS-313
4.	*HARIOM KUMAR*	235	*MA-401*	*Mathematics IV (Numerical methods)*	*4*	*-NF-*
			CS-401	*Operating Systems*	*3*	*-NF-*
			CS-402	*Object Oriented Programming (Java)*	*3*	*-NF-*
			EC-401	*Data Communication*	*3*	*-NF-*
			EC-402	*Signals and Systems*	*3*	*-NF-*
			New papers from current semester			
			HU-501	Humanities (Financial Management and Organizational Behaviour)	4	HU-501
			CS-501	*Compiler Design*	*3*	*-NF-*
			CS-502	*Artificial Intelligence*	*3*	*-NF-*
			EC-501	*Microprocessor and Microcontroller System*	*3*	*-NF-*
				Elective - I	*3*	

Slno.	Name	Roll	Code	Subject	Credit	with
			CS-511	Compiler Design Lab	2	-NF-
			EC-511	Microprocessor and Microcontroller System Lab	2	-NF-
			CS-591	Project I (A)	3	CS-591
Total Credit					**25**	**NF-42**
			Pending papers			
			CS-402	Object oriented programming (Java)	3	-NF-
			EC-401	Data Communication	3	-NF-
			EC-402	Signals and Systems	3	-NF-
			New papers from current semester			
5.	HRITIK KUMAR MODI	237	HU-501	Humanities (Financial Management and Organizational Behaviour)	4	HU-501
			CS-501	Compiler Design	3	CS-501
			CS-502	Artificial Intelligence	3	CS-502
			EC-501	Microprocessor and Microcontroller System	3	EC-501
				Elective - I	3	
			CS-511	Compiler Design Lab	2	CS-511
			EC-511	Microprocessor and Microcontroller System Lab	2	EC-511
			CS-591	Project I (A)	3	CS-591
Total Credit					**23**	**NF-09**
			Pending papers			
			MA-101	Mathematics I	3	MA-101
			ET-101	Analog Electronics	3	EC-101
			MA-201	Mathematics II (Probability and Statistics)	3	-NF-
			MA-301	Mathematics III (Differential calculus TC)	3	MA-301
			CS-313	IT workshop – I (Python)	2	CS-313
			MA-401	Mathematics IV (Numerical methods)	4	-NF-
			EC-401	Data Communication	3	-NF-
			EC-402	Signals and Systems	3	-NF-
6.	MANAS BASUMATARY	243	**New papers from current semester**			
			HU-501	Humanities (Financial Management and Organizational Behaviour)	4	HU-501
			CS-501	Compiler Design	3	CS-501
			CS-502	Artificial Intelligence	3	CS-502
			EC-501	Microprocessor and Microcontroller System	3	-NF-
				Elective - I	3	
			CS-511	Compiler Design Lab	2	CS-511
			EC-511	Microprocessor and Microcontroller System Lab	2	-NF-
			CS-591	Project I (A)	3	CS-591
Total Credit					**29**	**NF-18**
			Pending papers			
			CS-312	Algorithm I Lab	2	CS-312
			CS-313	IT workshop – I (Python)	2	CS-313
			MA-401	Mathematics IV (Numerical methods)	4	-NF-
7.	NAVEEN	250	CS-413	IT Workshop -II (Sci Lab)	2	-NF-
			New papers from current semester			
			HU-501	Humanities (Financial Management and Organizational Behaviour)	4	HU-501
			CS-501	Compiler Design	3	CS-501

Slno.	Name	Roll	Code	Subject	Credit	with
			CS-502	Artificial Intelligence	3	CS-502
			EC-501	Microprocessor and Microcontroller System	3	EC-501
				Elective - I	3	
			CS-511	Compiler Design Lab	2	CS-511
			EC-511	Microprocessor and Microcontroller System Lab	2	EC-511
			CS-591	Project I (A)	3	CS-591
Total Credit					**27**	*NF-6*
			Pending papers			
			CS-313	IT workshop – I (Python)	2	CS-313
			New papers from current semester			
8.	SANNY KUMAR	273	HU-501	Humanities (Financial Management and Organizational Behaviour)	4	HU-501
			CS-501	Compiler Design	3	CS-501
			CS-502	Artificial Intelligence	3	CS-502
			EC-501	Microprocessor and Microcontroller System	3	EC-501
				Elective - I	3	
			CS-511	Compiler Design Lab	2	CS-511
			EC-511	Microprocessor and Microcontroller System Lab	2	EC-511
			CS-591	Project I (A)	3	CS-591
Total Credit					**25**	
			Pending papers			
			CS-312	Algorithm I Lab	2	CS-312
			New papers from current semester			
9.	VIBHAW PRIANSH	295	HU-501	Humanities (Financial Management and Organizational Behaviour)	4	HU-501
			CS-501	Compiler Design	3	CS-501
			CS-502	Artificial Intelligence	3	CS-502
			EC-501	Microprocessor and Microcontroller System	3	EC-501
				Elective - I	3	
			CS-511	Compiler Design Lab	2	CS-511
			EC-511	Microprocessor and Microcontroller System Lab	2	EC-511
			CS-591	Project I (A)	3	CS-591
Total Credit					**25**	
			Pending papers			
			MA-401	Mathematics IV (Numerical methods)	4	-NF-
			New papers from current semester			
10.	ABHIMANYU SINGH	200	HU-501	Humanities (Financial Management and Organizational Behaviour)	4	HU-501
			CS-501	Compiler Design	3	CS-501
			CS-502	Artificial Intelligence	3	CS-502
			EC-501	Microprocessor and Microcontroller System	3	EC-501
				Elective - I	3	
			CS-511	Compiler Design Lab	2	CS-511
			EC-511	Microprocessor and Microcontroller System Lab	2	EC-511
			CS-591	Project I (A)	3	CS-591
Total Credit					**23**	*NF-4*

Student wise List (Batch 2018-19)

Slno	Name	Roll	Code	Subject	Credit	with
			Pending papers			
			CS-111	Programming with C and C++ Lab	2	CS-111
			EC-111	Basic Electronics Lab	2	EC-111
			MA-201	Mathematics II (Probability and Statistics)	4	-NF-
			New papers from current semester			
			HU-301	Humanities (Psychology)	3	HU-301
1.	ACHIKET KUMAR	317	MA-301	Mathematics III (Differential calculus TC)	4	MA-301
			CS-301	Computer Organization and Architecture	3	CS-301
			CS-302	Algorithms I	4	CS-302
			CS-303	Formal Languages and Automata Theory	4	CS-303
			CS-311	Computer Organization and Architecture Lab	2	CS-311
			CS-312	Algorithms I Lab	2	CS-312
			CS-313	Data Science Lab – I (Python)	2	CS-313
Total Credit				**28**		**NF-4**
			Pending papers			
			PH-101	Physics	3	PH-101
			CS-101	Programming with C and C++	4	CS-101
			EC-101	Basic Electrical and Electronics Engineering	3	EC-101
			CS-111	Programming with C and C++ Lab	2	CS-111
			EC-111	Basic Electronics Lab	2	EC-111
			New papers from current semester			
			HU-301	Humanities (Psychology)	3	HU-301
2.	AJEY KUMAR	319	MA-301	Mathematics III (Differential calculus TC)	4	-NF-
			CS-301	Computer Organization and Architecture	3	CS-301
			CS-302	Algorithms I	4	CS-302
			CS-303	Formal Languages and Automata Theory	4	-NF-
			CS-311	Computer Organization and Architecture Lab	2	CS-311
			CS-312	Algorithms I Lab	2	CS-312
			CS-313	Data Science Lab – I (Python)	2	-NF-
Total Credit				**28**		**NF-10**
			Pending papers			
			CS-211	Data structure and algorithms Lab	2	-NF-
			New papers from current semester			
			HU-301	Humanities (Psychology)	3	HU-301
			MA-301	Mathematics III (Differential calculus TC)	4	MA-301
3.	ANKIT KUMAR SINGH	325	CS-301	Computer Organization and Architecture	3	CS-301
			CS-302	Algorithms I	4	CS-302
			CS-303	Formal Languages and Automata Theory	4	CS-303
			CS-311	Computer Organization and Architecture Lab	2	CS-311

Slno	Name	Roll	Code	Subject	Credit	with
			CS-312	Algorithms I Lab	2	CS-312
			CS-313	Data Science Lab – I (Python)	2	CS-313
Total Credit				**24**		**NF-02**
			Pending papers			
			MA-201	Mathematics II (Probability and Statistics)	4	-NF-
			CS-211	Data structure and algorithms Lab	2	-NF-
			New papers from current semester			
			HU-301	Humanities (Psychology)	3	HU-301
			MA-301	Mathematics III (Differential calculus TC)	4	MA-301
4.	ANKIT YADAV	326	CS-301	Computer Organization and Architecture	3	CS-301
			CS-302	Algorithms I	4	CS-302
			CS-303	Formal Languages and Automata Theory	4	CS-303
			CS-311	Computer Organization and Architecture Lab	2	CS-311
			CS-312	Algorithms I Lab	2	CS-312
			CS-313	Data Science Lab – I (Python)	2	CS-313
Total Credit				**24**		**NF-06**
			Pending papers			
			EC-111	Basic Electronics Lab	2	EC-111
			HU-201	Humanities (Economics)	3	-NF-
			MA-201	Mathematics II (Probability and Statistics)	4	-NF-
			MA-202	Discrete Mathematics	4	-NF-
			CS-201	Data structure and algorithms	4	-NF-
			EC-201	Digital Electronics	3	-NF-
			CS-211	Data structure and algorithms Lab	2	-NF-
			EC-211	Digital Electronics lab	2	-NF-
			New papers from current semester			
5.	ARCHI ANAND	327	HU-301	Humanities (Psychology)	3	HU-301
			MA-301	Mathematics III (Differential calculus TC)	4	MA-301
			CS-301	Computer Organization and Architecture	3	CS-301
			CS-302	Algorithms I	4	CS-302
			CS-303	Formal Languages and Automata Theory	4	CS-303
			CS-311	Computer Organization and Architecture Lab	2	CS-311
			CS-312	Algorithms I Lab	2	CS-312
			CS-313	Data Science Lab – I (Python)	2	CS-313
Total Credit				**26**		**NF-22**
			Pending papers			
			PH-101	Physics	3	PH-101
			MA-201	Mathematics II (Probability and Statistics)	4	-NF-
6.	BANOTH RITHVIK	333	**New papers from current semester**			
			HU-301	Humanities (Psychology)	3	HU-301
			MA-301	Mathematics III (Differential calculus TC)	4	MA-301

Slno	Name	Roll	Code	Subject	Credit	with
			CS-301	Computer Organization and Architecture	3	CS-301
			CS-302	Algorithms I	4	CS-302
			CS-303	Formal Languages and Automata Theory	4	CS-303
			CS-311	Computer Organization and Architecture Lab	2	CS-311
			CS-312	Algorithms I Lab	2	CS-312
			CS-313	Data Science Lab – I (Python)	2	CS-313
Total Credit				27		**NF-4**
			Pending papers			
			MA-201	Mathematics II (Probability and Statistics)	4	-NF-
			CS-211	Data structure and algorithms Lab	2	-NF-
			New papers from current semester			
			HU-301	Humanities (Psychology)	3	HU-301
7.	BANOTH VISHNUVAR DHAN	334	MA-301	Mathematics III (Differential calculus TC)	4	MA-301
			CS-301	Computer Organization and Architecture	3	CS-301
			CS-302	Algorithms I	4	CS-302
			CS-303	Formal Languages and Automata Theory	4	CS-303
			CS-311	Computer Organization and Architecture Lab	2	CS-311
			CS-312	Algorithms I Lab	2	CS-312
			CS-313	Data Science Lab – I (Python)	2	CS-313
Total Credit				24		**NF-06**
			Pending papers			
			PH-101	Physics	3	PH-101
			MA-201	Mathematics II (Probability and Statistics)	4	-NF-
			MA-202	Discrete Mathematics	4	-NF-
			EC-201	Digital Electronics	3	-NF-
			CS-211	Data structure and algorithms Lab	2	-NF-
			New papers from current semester			
			HU-301	Humanities (Psychology)	3	HU-301
			MA-301	Mathematics III (Differential calculus TC)	4	MA-301
8.	CHANDIKA SAI CHARAN	336	CS-301	Computer Organization and Architecture	3	CS-301
			CS-302	Algorithms I	4	CS-302
			CS-303	Formal Languages and Automata Theory	4	CS-303
			CS-311	Computer Organization and Architecture Lab	2	CS-311
			CS-312	Algorithms I Lab	2	CS-312
			CS-313	Data Science Lab – I (Python)	2	CS-313
Total Credit				27		**NF-13**
			Pending papers			
			CS-201	Data structure and algorithms	4	-NF-
9.	CHETAN KUMAR	337	EC-201	Digital Electronics	3	-NF-
			CS-211	Data structure and algorithms Lab	2	-NF-
			New papers from current semester			

Slno	Name	Roll	Code	Subject	Credit	with
			HU-301	Humanities (Psychology)	3	HU-301
			MA-301	Mathematics III (Differential calculus TC)	4	MA-301
			CS-301	Computer Organization and Architecture	3	CS-301
			CS-302	Algorithms I	4	CS-302
			CS-303	Formal Languages and Automata Theory	4	CS-303
			CS-311	Computer Organization and Architecture Lab	2	CS-311
			CS-312	Algorithms I Lab	2	CS-312
			CS-313	Data Science Lab – I (Python)	2	CS-313
Total Credit				**24**		**NF-09**
			Pending papers			
			MA-201	Mathematics II (Probability and Statistics)	4	-NF-
			MA-202	Discrete Mathematics	4	-NF-
			CS-201	Data structure and algorithms	4	-NF-
			EC-201	Digital Electronics	3	-NF-
			CS-211	Data structure and algorithms Lab	2	-NF-
			New papers from current semester			
10.	CHINTAKAYA LA VARA PRASADA RAO	338	HU-301	Humanities (Psychology)	3	HU-301
			MA-301	Mathematics III (Differential calculus TC)	4	MA-301
			CS-301	Computer Organization and Architecture	3	CS-301
			CS-302	Algorithms I	4	CS-302
			CS-303	Formal Languages and Automata Theory	4	CS-303
			CS-311	Computer Organization and Architecture Lab	2	CS-311
			CS-312	Algorithms I Lab	2	CS-312
			CS-313	Data Science Lab – I (Python)	2	CS-313
Total Credit				**24**		**NF-17**
			Pending papers			
			PH-101	Physics	3	PH-101
			CS-101	Programming with C and C++	4	CS-101
			CS-111	Programming with C and C++ Lab	2	CS-111
			HU-201	Humanities (Economics)	3	-NF-
			MA-201	Mathematics II (Probability and Statistics)	4	-NF-
			MA-202	Discrete Mathematics	4	-NF-
			CS-201	Data structure and algorithms	4	-NF-
			EC-201	Digital Electronics	3	-NF-
			CS-211	Data structure and algorithms Lab	2	-NF-
			New papers from current semester			
11.	GORANTLA SATWIK	340	HU-301	Humanities (Psychology)	3	HU-301
			MA-301	Mathematics III (Differential calculus TC)	4	MA-301
			CS-301	Computer Organization and Architecture	3	CS-301
			CS-302	Algorithms I	4	-NF-
			CS-303	Formal Languages and Automata Theory	4	CS-303

Slno	Name	Roll	Code	Subject	Credit	with
			CS-311	Computer Organization and Architecture Lab	2	CS-311
			CS-312	Algorithms I Lab	2	-NF-
			CS-313	Data Science Lab – I (Python)	2	CS-313
Total Credit					27	**NF-26**
			Pending papers			
			MA-201	Mathematics II (Probability and Statistics)	4	-NF-
			New papers from current semester			
			HU-301	Humanities (Psychology)	3	HU-301
			MA-301	Mathematics III (Differential calculus TC)	4	MA-301
12.	HRITHIK RAVINDRA MAHADIK	343	CS-301	Computer Organization and Architecture	3	CS-301
			CS-302	Algorithms I	4	CS-302
			CS-303	Formal Languages and Automata Theory	4	CS-303
			CS-311	Computer Organization and Architecture Lab	2	CS-311
			CS-312	Algorithms I Lab	2	CS-312
			CS-313	Data Science Lab – I (Python)	2	CS-313
Total Credit					24	**NF-04**
			Pending papers			
			MA-201	Mathematics II (Probability and Statistics)	4	-NF-
			New papers from current semester			
			HU-301	Humanities (Psychology)	3	HU-301
			MA-301	Mathematics III (Differential calculus TC)	4	MA-301
13.	KAMERA PAVAN	345	CS-301	Computer Organization and Architecture	3	CS-301
			CS-302	Algorithms I	4	CS-302
			CS-303	Formal Languages and Automata Theory	4	CS-303
			CS-311	Computer Organization and Architecture Lab	2	CS-311
			CS-312	Algorithms I Lab	2	CS-312
			CS-313	Data Science Lab – I (Python)	2	CS-313
Total Credit					24	**NF-04**
			Pending papers			
			MA-201	Mathematics II (Probability and Statistics)	4	-NF-
			New papers from current semester			
			HU-301	Humanities (Psychology)	3	HU-301
			MA-301	Mathematics III (Differential calculus TC)	4	MA-301
14.	KAREDLA MADHUSUD HAN RAO	346	CS-301	Computer Organization and Architecture	3	CS-301
			CS-302	Algorithms I	4	CS-302
			CS-303	Formal Languages and Automata Theory	4	CS-303
			CS-311	Computer Organization and Architecture Lab	2	CS-311
			CS-312	Algorithms I Lab	2	CS-312

Slno	Name	Roll	Code	Subject	Credit	with
			CS-313	Data Science Lab – I (Python)	2	CS-313
Total Credit					**24**	**NF-04**
			Pending papers			
			MA-202	Discrete Mathematics	4	-NF-
			New papers from current semester			
			HU-301	Humanities (Psychology)	3	HU-301
			MA-301	Mathematics III (Differential calculus TC)	4	MA-301
15.	KUNAL GUPTA	347	CS-301	Computer Organization and Architecture	3	CS-301
			CS-302	Algorithms I	4	CS-302
			CS-303	Formal Languages and Automata Theory	4	CS-303
			CS-311	Computer Organization and Architecture Lab	2	CS-311
			CS-312	Algorithms I Lab	2	CS-312
			CS-313	Data Science Lab – I (Python)	2	CS-313
Total Credit					**24**	**NF-04**
			Pending papers			
			PH-101	Physics	3	PH-101
			CS-101	Programming with C and C++	4	CS-101
			HU-201	Humanities (Economics)	3	-NF-
			MA-201	Mathematics II (Probability and Statistics)	4	-NF-
			MA-202	Discrete Mathematics	4	-NF-
			CS-201	Data structure and algorithms	4	-NF-
			EC-201	Digital Electronics	3	-NF-
			CS-211	Data structure and algorithms Lab	2	-NF-
			EC-211	Digital Electronics Lab	2	-NF-
			New papers from current semester			
16.	MANIKE KARGIL	351	HU-301	Humanities (Psychology)	3	HU-301
			MA-301	Mathematics III (Differential calculus TC)	4	MA-301
			CS-301	Computer Organization and Architecture	3	CS-301
			CS-302	Algorithms I	4	-NF-
			CS-303	Formal Languages and Automata Theory	4	CS-303
			CS-311	Computer Organization and Architecture Lab	2	CS-311
			CS-312	Algorithms I Lab	2	-NF-
			CS-313	Data Science Lab – I (Python)	2	CS-313
Total Credit					**25**	**NF-28**
			Pending papers			
			PH-101	Physics	3	PH-101
			MA-202	Discrete Mathematics	4	-NF-
			New papers from current semester			
			HU-301	Humanities (Psychology)	3	HU-301
17.	MD MUSHFIQUE ALAM	353	MA-301	Mathematics III (Differential calculus TC)	4	MA-301
			CS-301	Computer Organization and Architecture	3	CS-301
			CS-302	Algorithms I	4	CS-302

Slno	Name	Roll	Code	Subject	Credit	with
			CS-303	Formal Languages and Automata Theory	4	CS-303
			CS-311	Computer Organization and Architecture Lab	2	CS-311
			CS-312	Algorithms I Lab	2	CS-312
			CS-313	Data Science Lab – I (Python)	2	CS-313
Total Credit					**27**	**NF-4**
			Pending papers			
			CS-101	Programming with C and C++	4	CS-101
			MA-201	Mathematics II (Probability and Statistics)	4	-NF-
			CS-211	Data structure and algorithms Lab	2	-NF-
			CS-201	Data structure and algorithms	4	-NF-
			New papers from current semester			
			HU-301	Humanities (Psychology)	3	HU-301
18.	MOOD RAHUL NAIK	356	MA-301	Mathematics III (Differential calculus TC)	4	MA-301
			CS-301	Computer Organization and Architecture	3	CS-301
			CS-302	Algorithms I	4	CS-302
			CS-303	Formal Languages and Automata Theory	4	CS-303
			CS-311	Computer Organization and Architecture Lab	2	CS-311
			CS-312	Algorithms I Lab	2	CS-312
			CS-313	Data Science Lab – I (Python)	2	CS-313
Total Credit					**28**	**NF-10**
			Pending papers			
			MA-202	Discrete Mathematics	4	-NF-
			CS-211	Data structure and algorithms Lab	2	-NF-
			New papers from current semester			
			HU-301	Humanities (Psychology)	3	HU-301
			MA-301	Mathematics III (Differential calculus TC)	4	MA-301
19.	NAMBALLA MUKESH	359	CS-301	Computer Organization and Architecture	3	CS-301
			CS-302	Algorithms I	4	CS-302
			CS-303	Formal Languages and Automata Theory	4	CS-303
			CS-311	Computer Organization and Architecture Lab	2	CS-311
			CS-312	Algorithms I Lab	2	CS-312
			CS-313	Data Science Lab – I (Python)	2	CS-313
Total Credit					**24**	**NF-06**
			Pending papers			
			MA-201	Mathematics II (Probability and Statistics)	4	-NF-
			New papers from current semester			
20.	NEERAJ KUMAR	361	HU-301	Humanities (Psychology)	3	HU-301
			MA-301	Mathematics III (Differential calculus TC)	4	MA-301
			CS-301	Computer Organization and Architecture	3	CS-301
			CS-302	Algorithms I	4	CS-302

Slno	Name	Roll	Code	Subject	Credit	with
			CS-303	Formal Languages and Automata Theory	4	CS-303
			CS-311	Computer Organization and Architecture Lab	2	CS-311
			CS-312	Algorithms I Lab	2	CS-312
			CS-313	Data Science Lab – I (Python)	2	CS-313
Total Credit					**24**	**NF-04**
			Pending papers			
			CS-101	Programming with C and C++	4	CS-101
			EC-201	*Digital Electronics*	*3*	*-NF-*
			CS-211	*Data structure and algorithms Lab*	*2*	*-NF-*
			New papers from current semester			
			HU-301	Humanities (Psychology)	3	HU-301
			MA-301	Mathematics III (Differential calculus TC)	4	MA-301
21.	PADALA SIVA NAGA TEJA	364	CS-301	Computer Organization and Architecture	3	CS-301
			CS-302	Algorithms I	4	CS-302
			CS-303	Formal Languages and Automata Theory	4	CS-303
			CS-311	Computer Organization and Architecture Lab	2	CS-311
			CS-312	Algorithms I Lab	2	CS-312
			CS-313	Data Science Lab – I (Python)	2	CS-313
Total Credit					**28**	**NF-05**
			Pending papers			
			CS-111	Programming with C and C++ Lab	2	CS-111
			EC-111	Basic Electronics Lab	2	EC-111
			HU-201	*Humanities (Economics)*	*3*	*-NF-*
			MA-201	*Mathematics II (Probability and Statistics)*	*4*	*-NF-*
			MA-202	*Discrete Mathematics*	*4*	*-NF-*
			CS-201	*Data structure and algorithms*	*4*	*-NF-*
			EC-201	*Digital Electronics*	*3*	*-NF-*
			HU-211	*Environmental science and practices*	*2*	*-NF-*
			CS-211	*Data structure and algorithms Lab*	*2*	*-NF-*
			EC-211	*Digital Electronics Lab*	*2*	*-NF-*
22.	PRABHAT KUMAR JHA	366	**New papers from current semester**			
			HU-301	Humanities (Psychology)	3	HU-301
			MA-301	Mathematics III (Differential calculus TC)	4	MA-301
			CS-301	Computer Organization and Architecture	3	CS-301
			CS-302	Algorithms I	4	CS-302
			CS-303	Formal Languages and Automata Theory	4	CS-303
			CS-311	Computer Organization and Architecture Lab	2	CS-311
			CS-312	Algorithms I Lab	2	CS-312
			CS-313	Data Science Lab – I (Python)	2	CS-313
Total Credit					**28**	**NF-24**
23.		376	**Pending papers**			

Slno	Name	Roll	Code	Subject	Credit	with
			MA-201	Mathematics II (Probability and Statistics)	4	-NF-
			MA-202	Discrete Mathematics	4	-NF-
			CS-201	Data structure and algorithms	4	-NF-
			EC-201	Digital Electronics	3	-NF-
			New papers from current semester			
			HU-301	Humanities (Psychology)	3	HU-301
	RAJ SHREE GUPTA		MA-301	Mathematics III (Differential calculus TC)	4	MA-301
			CS-301	Computer Organization and Architecture	3	CS-301
			CS-302	Algorithms I	4	CS-302
			CS-303	Formal Languages and Automata Theory	4	CS-303
			CS-311	Computer Organization and Architecture Lab	2	CS-311
			CS-312	Algorithms I Lab	2	CS-312
			CS-313	Data Science Lab – I (Python)	2	CS-313
	Total Credit				**24**	**NF-15**
			Pending papers			
			MA-201	Mathematics II (Probability and Statistics)	4	-NF-
			CS-201	Data structure and algorithms	4	-NF-
			CS-211	Data structure and algorithms Lab	2	-NF-
			New papers from current semester			
			HU-301	Humanities (Psychology)	3	HU-301
			MA-301	Mathematics III (Differential calculus TC)	4	MA-301
24.	RISHAV ROY	383	CS-301	Computer Organization and Architecture	3	CS-301
			CS-302	Algorithms I	4	CS-302
			CS-303	Formal Languages and Automata Theory	4	CS-303
			CS-311	Computer Organization and Architecture Lab	2	CS-311
			CS-312	Algorithms I Lab	2	CS-312
			CS-313	Data Science Lab – I (Python)	2	CS-313
	Total Credit				**24**	**NF-10**
			Pending papers			
			MA-201	Mathematics II (Probability and Statistics)	4	-NF-
			New papers from current semester			
			HU-301	Humanities (Psychology)	3	HU-301
			MA-301	Mathematics III (Differential calculus TC)	4	MA-301
25.	SADANAND	384	CS-301	Computer Organization and Architecture	3	CS-301
			CS-302	Algorithms I	4	CS-302
			CS-303	Formal Languages and Automata Theory	4	CS-303
			CS-311	Computer Organization and Architecture Lab	2	CS-311
			CS-312	Algorithms I Lab	2	CS-312
			CS-313	Data Science Lab – I (Python)	2	CS-313

Slno	Name	Roll	Code	Subject	Credit	with
		Total Credit		24		**NF-04**
			Pending papers			
			MA-201	Mathematics II (Probability and Statistics)	4	-NF-
			New papers from current semester			
			HU-301	Humanities (Psychology)	3	HU-301
			MA-301	Mathematics III (Differential calculus TC)	4	MA-301
26.	SAQUELAIN MOKHTAR	387	CS-301	Computer Organization and Architecture	3	CS-301
			CS-302	Algorithms I	4	CS-302
			CS-303	Formal Languages and Automata Theory	4	CS-303
			CS-311	Computer Organization and Architecture Lab	2	CS-311
			CS-312	Algorithms I Lab	2	CS-312
			CS-313	Data Science Lab – I (Python)	2	CS-313
		Total Credit		24		**NF-04**
			Pending papers			
			CS-211	Data structure and algorithms Lab	2	-NF-
			New papers from current semester			
			HU-301	Humanities (Psychology)	3	HU-301
			MA-301	Mathematics III (Differential calculus TC)	4	MA-301
27.	SHARDUL SHIVAM	392	CS-301	Computer Organization and Architecture	3	CS-301
			CS-302	Algorithms I	4	CS-302
			CS-303	Formal Languages and Automata Theory	4	CS-303
			CS-311	Computer Organization and Architecture Lab	2	CS-311
			CS-312	Algorithms I Lab	2	CS-312
			CS-313	Data Science Lab – I (Python)	2	CS-313
		Total Credit		24		**NF-02**
			Pending papers			
			CS-211	Data structure and algorithms Lab	2	-NF-
			New papers from current semester			
			HU-301	Humanities (Psychology)	3	HU-301
			MA-301	Mathematics III (Differential calculus TC)	4	MA-301
28.	SHIBAYAN MONDAL	394	CS-301	Computer Organization and Architecture	3	CS-301
			CS-302	Algorithms I	4	CS-302
			CS-303	Formal Languages and Automata Theory	4	CS-303
			CS-311	Computer Organization and Architecture Lab	2	CS-311
			CS-312	Algorithms I Lab	2	CS-312
			CS-313	Data Science Lab – I (Python)	2	CS-313
		Total Credit		24		**NF-02**
			Pending papers			
29.	THUMMA DINESH	410	MA-201	Mathematics II (Probability and Statistics)	4	-NF-
			MA-202	Discrete Mathematics	4	-NF-

Slno	Name	Roll	Code	Subject	Credit	with
			CS-201	Data structure and algorithms	4	-NF-
			EC-201	Digital Electronics	3	-NF-
			CS-211	Data structure and algorithms Lab	2	-NF-
			New papers from current semester			
			HU-301	Humanities (Psychology)	3	HU-301
			MA-301	Mathematics III (Differential calculus TC)	4	MA-301
			CS-301	Computer Organization and Architecture	3	CS-301
			CS-302	Algorithms I	4	CS-302
			CS-303	Formal Languages and Automata Theory	4	CS-303
			CS-311	Computer Organization and Architecture Lab	2	CS-311
			CS-312	Algorithms I Lab	2	CS-312
			CS-313	Data Science Lab – I (Python)	2	CS-313
Total Credit				**24**		**NF-17**
			Pending papers			
			MA-201	Mathematics II (Probability and Statistics)	4	-NF-
			New papers from current semester			
			HU-301	Humanities (Psychology)	3	HU-301
			MA-301	Mathematics III (Differential calculus TC)	4	MA-301
30.	VELIDIMALLA VENKATESH	412	CS-301	Computer Organization and Architecture	3	CS-301
			CS-302	Algorithms I	4	CS-302
			CS-303	Formal Languages and Automata Theory	4	CS-303
			CS-311	Computer Organization and Architecture Lab	2	CS-311
			CS-312	Algorithms I Lab	2	CS-312
			CS-313	Data Science Lab – I (Python)	2	CS-313
Total Credit				**24**		**NF-04**

-NF- Paper not offered during Autumn Semester 2019

Students can do some innovative project from Semester III onwards. For this project, two 2 bonus credit points will be awarded. For additional courses from NPTEL, two 2 bonus credit points will be awarded.

1st Year (Semester: I)							
Theoretical Papers							
Sl No.	Code No.	Subject	Contact Periods/week				Credit
			L	T	P	Total	
1	MA 101	Mathematics – I (Linear Algebra)	3	1	0	4	4
2	PH 101	Physics	3	1	0	4	4
3	EC 101	Basic Electrical and Electronics Engineering	3	0	0	3	3
4	CS 101	Programming with C/C++	3	0	0	3	3
5	HU 101	English for Communication	3	0	0	3	3
6	HU 102	Humanities-1 (Values & Ethics in Profession)	3	0	0	3	3
Sessional Papers							
7	CS 111	Programming with C/C++	0	0	3	3	2
8	EC 111	Basic Electronics Engineering	0	0	3	3	2
Total			18	2	6	26	
					Total Credits		24

1st Year (Semester: II)							
Theoretical Papers							
Sl No.	Code No.	Subject	Contact Periods/week				Credit
			L	T	P	Total	
1	CS 201	Data Structures and Algorithms	3	1	0	4	4
2	EC 201	Digital Logic Design and Circuit	3	0	0	3	3
3	CS 202	Foundations of Data Science-I (Probability and Statistics)	3	1	0	4	4
4	CS 203	Discrete Mathematics	3	1	0	4	4
5	HU 201	Humanities (Economics)	3	0	0	3	3
Sessional Papers							
6	EC 211	Digital Logic Design and Circuit Lab	0	0	3	3	2
7	CS 211	Data Structures and Algorithms Lab	0	0	3	3	2
8	CS 212	Introduction to Environmental Data Science	1	0	2	3	2
Total			16	3	8	27	
					Total Credits		24

2nd Year (Semester: III)							
Theoretical Papers							
Sl No.	Code No.	Subject	Contact Periods/week				Credit
			L	T	P	Total	
1	MA 301	Mathematics – II (Calculus and Differential Equation)	3	1	0	4	4
2	CS 301	Computer Organization and Architecture	3	0	0	3	3
3	CS 302	Algorithms – I	3	1	0	4	4
4	CS 303	Formal Languages and Automata Theory	3	1	0	4	4
5	HU 301	Humanities (Psychology)	3	0	0	3	3

		Sessional Papers					
6	CS 311	Computer Organization and Architecture Lab	0	0	3	3	2
7	CS 312	Algorithm – I Lab	0	0	3	3	2
8	CS 313	Data Science Lab – I (Python)	1	0	2	3	2
Total			16	3	8	27	
						Total Credits	24

2nd Year (Semester: IV)							
Theoretical Papers							
SI No.	Code No.	Subject	Contact Periods/week				Credit
			L	T	P	Total	
1	CS 401	Operating Systems	3	0	0	3	3
2	CS 402	Foundation of Data Science-II (Numerical Analysis and Computing)	3	1	0	4	4
3	CS 403	Object Oriented Programming (Java)	3	0	0	3	3
4	EC 401	Data Communications	3	0	0	3	3
5	EC 402	Signals and Systems	3	0	0	3	3
Sessional Papers							
6	CS 411	Operating Systems Lab	0	0	3	3	2
7	CS 412	Data Science Lab - II (R/Sci Lab)	0	0	3	3	2
8	CS 413	Object Oriented Programming (Java) Lab	0	0	3	3	2
Total			15	1	9	25	
						Total Credits	22

3rd Year (Semester: V)							
Theoretical Papers							
SI No.	Code No.	Subject	Contact Periods/week				Credit
			L	T	P	Total	
1	CS 501	Compiler Design	3	0	0	3	3
2	CS 502	Artificial Intelligence	3	0	0	3	3
3	EC 501	Microprocessor and Microcontroller System	3	0	0	3	3
4	*	Elective-I	3	0	0	3	3
5	HU 501	Humanities (Financial Management and Organizational Behaviour)	4	0	0	4	4
Sessional Papers							
6	CS 511	Compiler Design Lab	0	0	3	3	2
7	EC 511	Microprocessor and Microcontroller System Lab	0	0	3	3	2
8	CS 591	Project – I (A)	0	0	5	5	3
Total			15	0	11	26	
						Total Credits	23

3rd Year (Semester: VI)

Theoretical Papers

Sl No.	Code No.	Subject	L	T	P	Total	Credit
1	CS 601	Computer Networks	3	0	0	3	3
2	CS 602	DBMS	3	0	0	3	3
3	CS 603	Machine Learning	3	0	0	3	3
4	CS 604	Cognitive Science and Technology	3	0	0	3	3
5	*	Elective-II	3	0	0	3	3
Sessional Papers							
6	CS 611	Computer Networks Lab	0	0	3	3	2
7	CS 612	DBMS Lab	0	0	3	3	2
8	HU 611	Soft Skill Development	0	0	3	3	2
9	CS 691	Project – I(B)	0	0	5	5	3
Total			**15**	**0**	**14**	**29**	
						Total Credits	**24**

4th Year (Semester: VII)

Theoretical Papers

Sl No.	Code No.	Subject	L	T	P	Total	Credit
1	CS 701	Algorithms-II	3	0	0	3	3
2	CS 702	Software Engineering	3	0	0	3	3
3	*	Elective – III	3	0	0	3	3
4	*	Elective – IV	3	0	0	3	3
Sessional Papers							
5	CS 711	Algorithm – II Lab	0	0	3	3	2
6	CS 791	Project – II (A)	0	0	15	15	10
Total			**12**	**0**	**18**	**30**	
						Total Credits	**24**

4th Year (Semester: VIII)

Theoretical Papers

Sl No.	Code No.	Subject	L	T	P	Total	Credit
1	*	Elective - V	3	0	0	3	3
2	*	Elective - VI	3	0	0	3	3
3	*	Elective - VII	3	0	0	3	3
Sessional Papers							
4	CS 891	Project – II (B)	0	0	15	15	10
5	CS 892	Comprehensive Viva	0	0	0	0	3
Total			**9**	**0**	**15**	**27**	
						Total Credits	**22**

* REFERS TO THE ELECTIVE PAPERS AS MENTIONED BELOW

Elective Thread - I

Theoretical Computation

Sl No.	Code No.	Subject	Contact Periods/week				Credit
			L	T	P	Total	
1	CS E21	Theory of Computation	3	0	0	3	3
2	CS E22	Advanced Algorithms	3	0	0	3	3
3	CS E23	Parallel and Distributed Computing	3	0	0	3	3
4	CS E24	Computational Number Theory	3	0	0	3	3
5	CS E25	Computational Complexity	3	0	0	3	3
6	CS E26	Computational Geometry	3	0	0	3	3
7	CS E27	Quantum Computing	3	0	0	3	3
8	CS E28	Fuzzy Logic and Applications	3	0	0	3	3
9	CS E29	Mathematical Methods	3	0	0	3	3

Elective Thread - II

Data Science & Machine Intelligence

Sl No.	Code No.	Subject	Contact Periods/week				Credit
			L	T	P	Total	
1	CS E31	Neural Networks and Deep Learning	3	0	0	3	3
2	CS E32	Data Analytics & Optimization Techniques	3	0	0	3	3
3	CS E34	Soft Computing	3	0	0	3	3
4	CS E35	Data Mining	3	0	0	3	3
5	CS E36	Speech and Natural Language Processing	3	0	0	3	3
6	CS E37	Computer Vision and Image Understanding	3	0	0	3	3
7	CS E38	Big Data Analytics	3	0	0	3	3
8	CS E39	Business Data Analytics	3	0	0	3	3

Elective Thread - III

Hardware and Systems

Sl No.	Code No.	Subject	Contact Periods/week				Credit
			L	T	P	Total	
1	CS E41	Distributed Operating Systems	3	0	0	3	3
2	CS E42	Distributed Database Management System	3	0	0	3	3
3	CS E43	Advanced Computer Architecture	3	0	0	3	3
4	CS E44	Embedded System	3	0	0	3	3
5	CS E45	Low Power Circuits and Systems	3	0	0	3	3
6	CS E46	Fault Tolerant Computing	3	0	0	3	3
7	CS E47	Real Time Systems	3	0	0	3	3
8	CS E48	Ad-Hoc and Sensor Networks	3	0	0	3	3
9	CS E49	VLSI System Design	3	0	0	3	3
10	CS E51	Robotics : Machines and Control	3	0	0	3	3
11	CS E52	Internet of Things	3	0	0	3	3
12	CS E53	Satellite Communication	3	0	0	3	3
13	CS E54	Electronic Devices and Circuits	3	0	0	3	3
14	CS E55	Control System Engineering	3	0	0	3	3

Elective Thread - IV

Information Security

Sl No.	Code No.	Subject	Contact Periods/week				Credit
			L	T	P	Total	
1	CS E56	Number Theory	3	0	0	3	3
2	CS E57	Information Theory and Coding	3	0	0	3	3
3	CS E58	Advanced Cryptography	3	0	0	3	3
4	CS E59	Digital and Cyber Forensics	3	0	0	3	3
5	CS E61	Cyber Physical Systems	3	0	0	3	3
6	CS E62	Cyber Law and Security	3	0	0	3	3
7	CS E63	Digital Data Security	3	0	0	3	3

Elective Thread - V

Applications

Sl No.	Code No.	Subject	Contact Periods/week				Credit
			L	T	P	Total	
1	CS E64	Digital Signal Processing	3	0	0	3	3
2	CS E65	Image Analysis	3	0	0	3	3
3	CS E66	Multimedia Systems	3	0	0	3	3
4	CS E67	Computer Graphics and Multimedia	3	0	0	3	3
5	CS E68	Cloud Computing	3	0	0	3	3
6	CS E69	Web Technology	3	0	0	3	3
7	CS E71	Mobile Computing	3	0	0	3	3

Elective Thread - VI

Open Electives

Sl No.	Code No.	Subject	Contact Periods/week				Credit
			L	T	P	Total	
1	CS E72	Logic & Reasoning	3	0	0	3	3
2	CS E73	Perceptual Computing	3	0	0	3	3
3	CS E74	Global Impact & Society	3	0	0	3	3
4	CS E75	Indian Music System	3	0	0	3	3
5	CS E76	Introduction to Philosophical Thought	3	0	0	3	3
6	CS E77	Comparative Study of Literature	3	0	0	3	3
7	CS E78	History of Science & Engineering	3	0	0	3	3
8	CS E79	Economic Policies in India	3	0	0	3	3
9	CS E81	Research in Entrepreneurship	3	0	0	3	3
10	CS E82	Constitution of India	3	0	0	3	3
11	CS E83	Introduction to Art and Aesthetics	3	0	0	3	3
12	CS E84	Human resource Management	3	0	0	3	3

INDIAN INSTITUTE OF INFORMATION TECHNOLOGY KALYANI

Autonomous institution under MHRD, Govt. of India

&

Department of Information Technology & Electronics, Govt. of West Bengal

WEBEL IT Park Campus, Near Budha Park, Kalyani -741235,

West Bengal, website : www.iiitkalyani.ac.in

IIITK/Note-Exam/2019/1877   Date: 18.06.2019

Note for Approval

1. In reference to the note (ref no. : IIITK/Note-Exam.2019/1839 dated 30/5/2019) regarding malpractice case during supplementary examinations (2018-19), the minutes of meeting of Disciplinary Committee dated 7th June, 2019, and on suggestions of the Mentor Director on 11th June, 2019 meeting, following disciplinary action will be taken against the erring 4th year students **REGULAVALASA HARSHAVARDHAN (CSE/15159/118) and MUDE KRISHNA KOUSHIK NAIK (CSE/15022/77).**

(a) **Disciplinary Action against MUDE KRISHNA KOUSHIK NAIK (CSE/15022/77) (wrote two papers for HARSHAVARDHAN)** –

    i)   The student will pay a fine of Rs. 10000/- prior to get his clearance from the Institute .

    ii)   His degree will remain withheld till the payment of the amount.

    iii) Parents of the student will be informed about the incident and punishment through mail and letter.

(b) **Disciplinary Action against REGULAVALASA HARSHAVARDHAN (CSE/15159/118)**

    i)   Both papers Formal Languages and Automata Theory (IT 404) and Data Analytics and Optimization Techniques (CS 722) written under his roll number will be scrapped.

    ii)   The student will re-register for those two subjects.

    iii) He has to pay the semester re-registration fees for those two subjects.

    iv) Parents of the student will be informed about the incident and punishment through mail and letter.

The note is placed for your approval for taking necessary action.

(Dr. Oishila Bandyopadhyay)   (Dr. Madhumita Sengupta)

(Mentor Director, IIIT Kalyani)

No. IIITK/Disc.Com./2019/1918   22nd June, 2019.

REGULAVALASA HARSHAVARDHAN
CSE/15159/118
Indian Institute of Information Technology, Kalyani
Kalyani – 741 235

Sub :   Disciplinary Action.

Dear Harshavardhan,

This is to inform you that during checking of Attendance Sheet and Answer Script of Supplementary Examination (2018-19) of Data Analytics and Optimization Techniques (CS 722) it has been observed that you have malpracticed during examination. Your case was placed before the Disciplinary Committee of the Institute duly constituted by the Mentor Director and the following resolution was adopted in the meeting of Disciplinary Committee held on 7th June, 2019 :

"(b) Disciplinary Action against REGULAVALASA HARSHAVARDHAN (CSE/15159/118)

i)   Both papers Formal Languages and Automata Theory (IT 404) and Data Analytics and Optimization Techniques (CS 722) written under his roll number will be scrapped.

ii)   The student will re-register for those two subjects.

iii)   He has to pay the semester re-registration fees for those two subjects.

iv)   Parents of the student will be informed about the incident and punishment through mail and letter."

You are hereby instructed to adhere to the above resolution.

(S N Datta)
Registrar (Offg.)

Recieved Letter

INDIAN INSTITUTE OF INFORMATION TECHNOLOGY, KALYANI

(Autonomous institution under MHRD, Govt. of India & Department of Information Technology & Electronics, Government of West Bengal)
c/o WEBEL IT Park, Opposite of Kalyani Water Treatment Plant
Near Buddha Park, Dist. Nadia, P.O Kalyani PIN - 741235, West Bengal
E-mail - office@iiitkalyani.ac.in, website - www.iiitkalyani.ac.in

No. IIITK/Disc.Com./2019/1919   22nd June, 2019,

MUDE KRISHNA KOUSHIK NAIK
CSE/15022/77
Indian Institute of Information Technology, Kalyani
Kalyani – 741 235

Sub :   **Disciplinary Action.**

Dear Naik,

This is to inform you that during checking of Attendance Sheet and Answer Script of Supplementary Examination (2018-19) of Data Analytics and Optimization Techniques (CS 722) it has been observed that you have malpracticed during examination. Your case was placed before the Disciplinary Committee of the Institute duly constituted by the Mentor Director and the following resolution was adopted in the meeting of Disciplinary Committee held on 7th June, 2019 :

"(a) **Disciplinary Action against MUDE KRISHNA KOUSHIK NAIK (CSE/15022/77)** (wrote two papers for HARSHAVARDHAN) -

    i)   The student will pay a fine of Rs. 10,000/- prior to get his clearance from the Institute.
    ii)   His degree will remain withheld till the payment of the amount.
    iii)   Parents of the student will be informed about the incident and punishment through mail and letter."

You are hereby instructed to adhere to the above resolution.

(S N Datta)
Registrar (Offg.)

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