

Department of Computer Science & Engineering
Tripura University
(A Central University)
Suryamaninagar
Phone: 0381-23792224, email: HOD_CSE@tripurauniv.in

Date: 14.05.15

A copy of Proceedings of the 5th Meeting of Board of Post Graduate Studies of Computer Science & Engineering held on 22nd April 2015 at 2 P.M. in the chamber of the Head (i/c) of the Department of Computer Science & Engineering is enclosed for favor of kind information and necessary action please.

Encl: As stated

*with new - 2015
M.Tech syllabus*



(ABHISHEK MAJUMDER)

Chairman
Board of Post Graduate Studies
Department of Computer Science & Engineering
Tripura University

Copy to:

1. The Dean of Science, Tripura University, Suryamaninagar
2. Prof. S.K. Basu, Professor, Department of Electronic & Telecommunication Engineering, IITG
3. Prof. P. Datta, Professor, Department of Computer & System Sciences, Visva Bharati University
4. Prof. U. Maulik, Professor, Department of Computer Science & Engineering, Jadavpur University.
5. Prof. B.K.De, Professor, Professor, Department of Physics, Tripura University.
- ✓ 6. All members of Department of Computer Science & Engineering, Tripura University. *Jz. M. K. Bhoremik*
7. The Controller of Examination, Tripura University
8. P.S. to the Vice-Chancellor, Tripura University for his kind information.

PROCEEDINGS OF THE FIFTH MEETING OF BOARD OF POST GRADUATE STUDIES
IN COMPUTER SCIENCE & ENGINEERING HELD IN THE CHAMBER OF HEAD - IN -
CHARGE OF THE DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING ,
TRIPURA UNIVERSITY, SURYAMANINAGAR, WEST TRIPURA ON 22nd April, 2014 AT
3:00 PM.

Members present:

1. Prof. Paramartha Dutta, Department of Computer & System Sciences,
Visva-Bharati University
- External Member
2. Prof. Ujjwal Maulik, Department of Computer & Engineering,
Jadavpur University
- External Member
3. Prof. Barin Kumar De, Head of Physics Department, Tripura University
- Member

4. Dr. Mrinal Kanti Bhowmik, Department of Comp. Sc. Engg., Tripura University
- Member
5. Mr. Abhishek Majumder, Department of Comp. Sc. & Engg., Tripura University
- Chairman

At the outset, Mr. Abhishek Majumder, Chairman, Board of Post Graduate Studies (B. P. G. S.), Department of Computer Science & Engineering, extended a warm welcome to all the members and particularly thanked the External Members, Prof. P. Dutta, Department of Computer & System Sciences, and Prof. Ujjwal Maulik, Department of Computer & Engineering for their active participation and co-operation. Thereafter, agenda wise discussion started.

Agenda :

Agenda 01/05/15 : To confirm the proceedings of 4th meeting of BPGS on 09.09.2014.

Confirmed

Agenda 02/05/15 : To prepare the M.Tech Syllabus as per CBCS guidelines.

It has been resolved that computer skills III be offered in M.Tech First Semester as compulsory foundation course.

Total credits for M.Tech in Computer Science & Engineering curriculum shall be 72 credit out of which credits for theoretical and practical papers shall be 44 and 28 respectively.

In first semester, there will be 4 core theoretical papers each of 100 marks and 4 credits and 2 laboratory papers each of 100 marks and 2 credits. The detail syllabus is enclosed as **Annexure-1**.

Mrinal Kanti Bhowmik

22.4.15.

Ujjwal Maulik
22.04.15

Barin Kumar De
22/4/15

Barin Kumar De
22/4/15

Barin Kumar De

Barin Kumar De

In second semester, 2 core theoretical papers each of 100 marks and 4 credits and 2 optional papers out of 4 choices each with 100 marks and 4 credits. Apart from this there will be 2 laboratory papers each of 100 marks and 2 credits. Optional papers will be offered subject to availability of experts willing to give lectures. The detail syllabus is enclosed as **Annexure-3A**.

In third semester, there will be 4 practical papers named Thesis Report Interim (CSE - 1101C), Thesis Seminar Interim (Presentation & Viva-Voce) (CSE -1102C), Technical Communication (CSE- 1103C) and Workshop and Seminars (CSE -1104C) having 4,4,2 and 1 credits respectively. Apart from this there will be 1 elective paper out of 5 choices each with 100 marks and 4 credits. Optional papers will be offered subject to availability of experts willing to give lectures. The detail syllabus is enclosed as **Annexure-1**.

In fourth semester, there will be 3 practical papers named Thesis Report Final (CSE - 1201C) and Thesis Seminar Final (Presentation & Viva-Voce) (CSE -1202) having 4 credits each. Apart from this there will be 1 elective paper out of 4 choices each with 100 marks and 4 credits. Optional papers will be offered subject to availability of experts willing to give lectures. There will also be 1 elective foundation paper having 2 credits in this semester. The detail syllabus is enclosed as **Annexure-1**.

It has also been resolved that 2 elective papers having 4 credits be offered to other departments in odd semesters. The papers are named as Basics of wireless communication and Image processing Principals.

The detail syllabus is enclosed as **Annexure-1**.

Agenda 03/05/15 : To consider the recommended list of paper setters, examiners and moderator of M.Tech 2nd & 4th semester examinations.

Approved with post facto effect.

The details is enclosed as **Annexure-2**.

Agenda 04/05/15 : To consider the formation of RAC for registered PhD Scholars under the supervision of Prof. Barin Kumar De.

When the agenda item was placed in the meeting professor Barin Kumar De chaired the BPGS meeting. The board recommended the research advisory committee (RAC) for Mrs. Priya Saha, Registered (Vide No.F/TU/COE/Ph.D/10/CSE/02/14). The committee may have the following members:

- (i) Dr. Syed Arshad Hussain, Assistant Professor, Dept. of Physics..... Member
- (ii) Dr. Shyamal Debnath, Assistant Professor, Dept. of Mathematics.....Member
- (iii) Dr. Priyaranjan Dash, Assistant Professor, Dept. of Statistics..... Member
- (iv) Prof. Mita Nasipuri, Professor, Dept. of Computer Science & Engineering, Jadavpur University, Co-Guide and Member
- (v) Prof. Barin Kumar De, Professor, Dept. of Physics.....Guide and Convenor
- (vi) External Member
 - (a) Dr. Amlan Chakrabarti, A. K. Choudhury School of Information Technology, University of Calcutta
 - (b) Prof. Ujjwal Maulik, Professor, Dept. of Computer Science & Engineering, Jadavpur University

(One external member will be invited at a time as per availability)

The board recommended the research advisory committee (RAC) for Kankan Saha (Vide No.F/TU/COE/Ph.D/10/CSE/01/14)

Mrinal Kanti Bhosrnill
29. 4. 15.

Behera
22/4/15

Choudhury
22/04/15

Lumail
22/4/15

- (i) Dr. Ratan Das, Assistant Professor, Dept. of Physics.....Member
(ii) Dr. Mrinal Kanti Bhowmik, Dept. of Computer Science & Engineering..... Member
(iii) Dr. Shyamal Debnath, Assistant Professor Dept. of Mathematics.....Member
(iv) Dr. Debotosh Bhattacharjee, Associate Professor, Dept. of Computer Science & Engineering,
Jadavpur
University..... Co-Guide and Member
(v) Prof. Barin Kumar De, Professor, Dept. of Physics..... Guide and Convenor
(vi) External Member
(a) Dr. Amlan Chakrabarti, A. K. Choudhury School of Information Technology,
University of Calcutta
(b) Prof. Ujjwal Maulik, Professor, Dept. of Computer Science & Engineering, Jadavpur
University
(One external member will be invited at a time as per availability)

The meeting ended with vote of thanks to the Chair.

Abhishek Majumder
22.04.15
(Sri Abhishek Majumder)
Chairman, B. P. G. S.,
Department of Computer Science & Engineering
Tripura University

Mrinal Kanti Bhowmik.
22.4.15

Ujjwal Maulik
27/4/15

Barin Kumar De
22/4/15

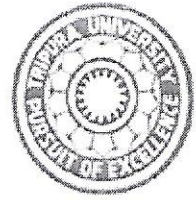
Barin Kumar De
22/4/15

Department of Computer Science & Engineering

Tripura University (A Central University)

Suryamaninagar-799022, Tripura (W), India.

Phone: 0381-2379224, email: HOD_CSE@tripurauniv.in



Date: 01/11/2019

Notice

The 20th meeting of Board of Post Graduate Studies in Computer Science & Engineering will be held on 27.11.2019. The meeting will commence on 27.11.2019 at 2.00 P.M onwards in the chamber of Head, Department of Computer Science & Engineering, to discuss the following agenda.

Agenda:

1. To confirm the proceedings of the 19th meeting of Board of Post Graduate Studies (BPGS) held on 27th May 2019.
2. Formation of RAC of Mr. Joy Lala Sarkar and Mrs. Sudhesna Das, PhD scholars, Department of Computer Science & Engineering working under supervision of Dr. Abhishek Majumder, Assistant Professor, Department of Computer Science & Engineering, Tripura university.
3. Consider the open two elective papers offered by Department of Computer Science and Engineering.
4. Consideration the name of Dr. Abhishek Majumder, Assistant Professor, Computer Science and Engineering Department as a RAC member of Ph.D scholar Mr. Anu Singha.
5. Miscellaneous if any

All members are cordially invited to attend the meeting.

A handwritten signature in blue ink, appearing to read 'Sukanta Banik' with the date '01/11/2019' written below it.

(Prof. Sukanta Banik)

Chairman, Board of Post Graduate Studies
Department of Computer Science & Engineering

Copy to:

1. Dean, Faculty of Science, Tripura University (A Central University), for kind information
2. Prof. Anjan Mukherjee, Member of Board of Post Graduate Studies, Department of Mathematics, Tripura University (A Central University).
3. Dr. Mrinal Kanti Bhowmik, Member of Board of Post Graduate Studies, Department of Computer Science and Engineering, Tripura University (A Central University).
4. Dr. Abhishek Majumder, Member of Board of Post Graduate Studies, Department of Computer Science and Engineering, Tripura University (A Central University).
5. Dr. Shyamal Debnath, Member of Board of Post Graduate Studies, Department of Mathematics, Tripura University (A Central University).
6. Prof. Amlan Chakrabarti, External Member of Board of Post Graduate Studies, Dean of Faculty Council for Post-Graduate Studies in Engineering & Technology, University of Calcutta.
7. Prof. Sudipta Roy, External Member of Board of Post Graduate Studies, Department of Computer Science and Engineering, Assam University.
8. Prof. Ratnajit Bhattacharjee, External Member of Board of Post Graduate Studies, Department of EEE, IIT-Guwahati.



Date: 27.11.19

A copy of proceedings of the 20th meeting of Board of Post Graduate Studies (BPGS) of Computer Science & Engineering held on 27th November, 2019 at 2:00 PM in the chamber of Head, Department of Computer Science & Engineering is enclosed for favour of kind information.

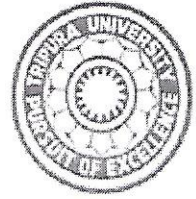
Enclosed: As stated

SB
27-11-19

(Prof. Sukanta Banik)
Chairman, Board of Post Graduate Studies (BPGS)
Department of Computer Science & Engineering
Tripura University (A Central University)

Copy to:

1. Vice-Chancellor, Tripura University (A Central University)
2. Dean of Faculty of Science, Tripura University, Suryamaninagar.
3. All members of Department of Computer Science & Engineering, Tripura University.
4. The Controller of Examination, Tripura University
5. P.S to the Vice-Chancellor, Tripura University for his kind information.



RAC for Joy Lal Sarkar

1. Dr. Mrinal Kanti Bhowmik, Assistant professor, Department of Computer Science and Engineering, Tripura UniversityMember
2. Dr. Bishanka Brata Bhowmik, Assistant professor, Department of Electronics & Communication Engineering, Tripura UniversityMember
3. Dr. Ratan Das, Assistant professor, Department of Physics, Tripura UniversityMember
4. Dr. Mrinal Kanti Debbarma, Associate professor, Department of Computer Science and Engineering, NIT AgartalaExternal Member
5. Dr. Abhishek Majumder, Assistant professor, Department of Computer Science and Engineering, Tripura UniversityConvenor

RAC for Sudesna Das

1. Dr. Mrinal Kanti Bhowmik, Assistant professor, Department of Computer Science and Engineering, Tripura UniversityMember
2. Dr. Anirban Karmakar, Assistant professor, Department of Electronics & Communication Engineering, Tripura UniversityMember
3. Dr. Shouvik Bhattacharya, Assistant professor, Department of Mathematics, Tripura UniversityMember
4. Dr. Mrinal Kanti Debbarma, Associate professor, Department of Computer Science and Engineering, NIT AgartalaExternal Member
5. Dr. Abhishek Majumder, Assistant professor, Department of Computer Science and Engineering, Tripura UniversityConvenor

The matter was discussed and **approved** for further consideration.

Agenda 03/20/2019:

Introduction of two new courses named "IOT Applications and Communication Protocols" and "Object Detection under Adverse Weather Conditions in Computer Vision" as elective papers in the M.Tech 3rd Semester.

The matter was **approved** for consideration.

Mrinal Kanti Bhowmik
27.11.19

~~Abhishek~~
27.11.19

Sarkar
27.11.19
S. Debbarma
27.11.2019

S. Debbarma
27.11.19

Department of Computer Science & Engineering

Tripura University (A Central University)

Suryamaninagar-799022, Tripura (W), India.

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Date: 7th June, 2018

A copy of proceedings of the 15th meeting of Board of Post Graduate Studies (BPGS) of Computer Science & Engineering held on 7th June, 2018 at 3:30 PM in the chamber of Head, Department of Computer Science & Engineering is enclosed for favour of kind information.

Enclosed: As stated

S. N. Karmakar
07.06.18

(Prof. Sachindra Nath Karmakar)

Chairman, Board of Post Graduate Studies (BPGS)

Department of Computer Science & Engineering

Tripura University (A Central University)

Copy to:

1. Pro-Vice-Chancellor, Tripura University (A Central University)
2. Dean of Science, Tripura University, Suryamaninagar.
3. Prof. Barin Kumar De, Head, Physics Department, Tripura University
4. All members of Department of Computer Science & Engineering, Tripura University.
5. The Controller of Examination, Tripura University
6. P.S to the Vice-Chancellor, Tripura University for his kind information.



Agenda 04/15/2018:

The matter regarding the change of Ph.D title of Smt. Kakali Das with Registration Number: F/TU/COE/Ph.D/10/CSE/03/15, dated: 18th November, 2015 was placed in the meeting which was approved in the RAC meeting dated: 28/05/2018. The matter was discussed. The change of Ph.D title was **approved** for further action:

Old Ph.D Title: Prediction of Performance of Health Abnormality Detection Systems (HADSs) Based on Thermal Images.

New Ph.D Title: Prediction of Health Abnormality Using Thermal Images.

Agenda 05/15/2018:

The matter regarding the adoption of **one new elective papers** in M.Tech, Computer Science and Engineering Course which would be offered in 3rd Semester by the Department of Computer Science & Engineering was placed in the meeting by the Head. The matter was discussed and **approved** for consideration.

Paper No	Paper Title	Course Offered By
	Fluid Mechanics	Department of Computer Science & Engineering, TU

Agenda 06/15/2018:

The members unanimously recommended the name of Prof. S.N. Karmakar, Head, Computer Science and Engineering Department as a RAC member of the following Ph.D scholars:

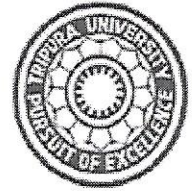
Sl. No.	Name of Ph.D Scholars	Name of Supervisor(s)
1	Smt. Usha Rani Gogoi Registration Number: F/TU/COE/Ph.D/10/CSE/06/16 Dated: 21 st March, 2016	Dr. Mrinal Kanti Bhowmik, (Guide) Prof. Anjan Kumar Ghosh, (Co-Guide)
2	Smt. Shawli Bardhan Registration Number: F/TU/COE/Ph.D/10/CSE/05/15 Dated: 18 th November, 2015	Dr. Mrinal Kanti Bhowmik, (Guide)
3	Smt. Kakali Das Registration Number: F/TU/COE/Ph.D/10/CSE/03/15 Dated: 18 th November, 2015	Prof. Barin Kumar De, (Guide) Dr. Mrinal Kanti Bhowmik, (Co-Guide)
4	Smt. Tannistha Pal Registration Number: F/TU/COE/Ph.D/10/CSE/04/15 Dated: 18 th November, 2015	Dr. Mrinal Kanti Bhowmik, (Guide)
5	Sri Rajib Debnath Registration Number: Ph.D/10/CSE/07/16 Dated: 26 th September, 2016	Dr. Mrinal Kanti Bhowmik, (Guide) Prof. Anjan Kumar Ghosh, (Co - Guide)

Department of Computer Science & Engineering

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Suryamaninagar-799022, Tripura (W), India.

Phone: 0381-2379224, email: HOD_CSE@tripurauniv.in



Date: 01.02.18

A copy of proceedings of the 12th meeting of Board of Post Graduate Studies (BPGS) of Computer Science & Engineering held on 1st February, 2018 at 2:00 PM in the chamber of Head, Department of Computer Science & Engineering is enclosed for favour of kind information.

Enclosed: As stated

S. N. Karmakar
1.2.2018

(Prof. Sachindra Nath Karmakar)

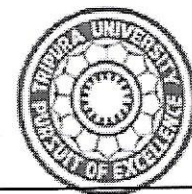
Chairman, Board of Post Graduate Studies (BPGS)

Department of Computer Science & Engineering

Tripura University (A Central University)

Copy to:

1. Pro-Vice-Chancellor, Tripura University (A Central University)
2. Dean of Science, Tripura University, Suryamaninagar.
3. Prof. Barin Kumar De, Physics Department, Tripura University -
4. All members of Department of Computer Science & Engineering, Tripura University.
5. The controller of Examination, Tripura University
6. P.S to the Vice-Chancellor, Tripura University for kind information.



Agenda 04/12/2018:

The matter regarding the change of member of RAC External Expert of Smt. Kakali Das with Registration Number: F/TU/COE/Ph.D/10/CSE/03/15, dated: 18th November, 2015 was placed in the meeting which was approved in the RAC meeting dated: 31/01/2018. The matter was discussed and the change of RAC External Expert was **approved** for further action:

Old RAC External Expert: Prof. Debotosh Bhattacharjee,
Department of Computer Science & Engineering,
Jadavpur University, Kolkata.

New RAC External Expert: Prof. Amlan Chakrabarti,
A.K. Choudhury School of Information Technology,
University of Calcutta, Kolkata

Agenda 05/12/2018:

The matter regarding the change of Ph.D title and external expert of RAC of Sri Rajib Debnath with Registration Number: F/TU/COE/Ph.D/10/CSE/07/16, dated: 26th September, 2016 was placed in the meeting which was approved in the RAC meeting dated: 31/01/2018. The matter was discussed. The change of Ph.D title and RAC External Expert was **approved** for further action:

Old Ph.D Title: Image Processing Based Surface Plasmon Resonance (SPR) System to Measure the Refractive Index of Bio-Chemicals

New Ph.D Title: Detection of Weapon along with Profile in Video

Old RAC External Expert: Prof. Utpal Das,
Department of Electrical Engineering,
IIT Kanpur, Kanpur, Uttar Pradesh 208016.

New RAC External Expert: Prof. Amlan Chakrabarti,
A.K. Choudhury School of Information Technology,
University of Calcutta, Kolkata-700009, India

Agenda 06/12/2018:

The matter regarding the adoption of **two new elective papers** in M.Tech, Computer Science and Engineering Course which would be offered by the Department of Physics and Department of Mathematics was placed in the meeting by the Head. The matter was discussed and **approved** for consideration.

Paper No	Paper Title	Course Offered By
	Fuzzy Topology	Department of Mathematics, TU
	Microprocessor	Department of Physics, TU

Agenda 07/12/2018:

The member unanimously recommended the name of Prof. S.N. Karmakar, Head, Computer Science and Engineering Department as a RAC member of Smt. Priya Saha instead of Dr. Priyaranjan Das, Assistant Professor, Department of Statistics as at present the member has left the job. The other RAC members for Smt. Priya Saha remain same.

S. N. Karmakar
01.02.2018

(Prof. Sachindra Nath Karmakar)

Chairman, Board of Post Graduate Studies (BPGS)

Department of Computer Science & Engineering

SYLLABUS FOR M.TECH IN COMPUTER SCIENCE AND ENGINEERING FOR THE SESSION 2015-2016

Course Structure (Computer Science & Engineering)

1st Semester: 600

Theoretical Courses	Subject Code	Subject Name	Marks	L	T	P	C	Core/Optional /Elective
Paper-I	CSE 901C TH	Design & Analysis of Algorithms	100 *(80+20)	04	0	0	04	CF
Paper-II	CSE 902C TH	Wireless Communication & Mobile Computing	100 *(80+20)	04	0	0	04	C
Paper-III	CSE 903C TH	Image Processing	100 *(80+20)	04	0	0	04	C
Paper-IV	CSE 904C TH	Probability and Random Process	100 *(80+20)	04	0	0	04	C (Offered by Department of Statistics)
Paper-V		Computer Skills 3	(As per University Norms) Compulsory Foundation					
Sessional Courses	Subject Code	Subject Name	Marks					
Sessional 1	CSE 905C PR	Image Processing Lab	100	0	0	04	02	C
Sessional 2	CSE 906C PR	Mobile Computing Lab	100	0	0	04	02	C
Total				16	0	08	20	

*80(Theory)+20(Internal Assessment)

2nd Semester: 600

Theoretical Courses	Subject Code	Subject Name	Marks	L	T	P	C	Core/Optional /Elective
Paper-VI	CSE 101E TH	Elective Papers :	100 *(80+20)	04	0	0	04	E
	CSE 1001 E1	Pattern Recognition						

	CSE 1001 E2	Optical Communication & Network						
	CSE 1001 E3	Software Engineering						
	CSE 1001 E4	VLSI & Microprocessor						
Paper-VII	CSE 1002C TH	Theory of Computation	100 *(80+20)	04	0	0	04	C
Paper-VIII	CSE 1003C TH	Network Security & Cryptography	100 *(80+20)	04	0	0	04	C
Paper-IX	CSE 1004E TH	Elective Papers :	100 *(80+20)	04	0	0	04	E
	CSE 1004 E1	Optical Information Processing						
	CSE 1004 E2	Distributed Computing						
	CSE 1004 E3	Soft Computing						
	CSE 1004 E4	Introduction of Quantum Computing						
Sessional Courses	Subject Code	Subject Name	Marks					
Sessional 1	CSE 1005C PR	Term Paper Leading to Thesis	100	0	0	04	02	C
Sessional 2	CSE 1006C PR	Design project	100	0	0	04	02	C
Total				16	0	08	20	

*80(Theory) + 20(Internal Assessment)

3rdSemester: 600 Marks

Thesis Identification, Literature Survey and Plan of Work (Thesis: Phase-I)

SubjectCode	Subject Name	Marks	L	T	P	C	Core/Optional/Elective
CSE 1101C PR/CSE 1101E PR	Thesis Report Interim	100	0	0	04	04	Open Elective
CSE 1102C PR/CSE 1102E PR	Thesis Seminar Interim (Presentation & VIVA VOCE)	200	0	0	04	04	Open Elective
CSE 1103C PR	Technical Communication	100	0	0	04	02	C
CSE 1104C PR	Workshop and Seminars	100	0	0	02	01	C
CSE1105E TH	Elective Papers:	100 *(80+20)	04			04	E
CSE 1105 E1	Business Ethics						E (Offered by Deptt. of MBA)
CSE 1105 E2	Fuzzy Set Theory						E (Offered by Deptt. of MBA)
CSE 1105 E3	Financial Management						E (Offered by Deptt. of MBA)
CSE 1105 E4	Modern Control Systems						E (Offered by Deptt. of MBA)
CSE 1105 E6	Big Data and Data Science				0	0	E
CSE 1105 E7	IOT Applications and Communication Protocols						E
CSE 1105 E8	Object Detection under Adverse Weather Conditions in Computer Vision						E

CSE 1105 E9	Fluid Mechanics						E
Total			04	0	14	15	

*80(Theory) + 20(Internal Assessment)

4thSemester: 600 Marks

Thesis Implementation (Thesis: Phase-II)

SubjectCode	Subject Name	Marks	L	T	P	C	Core/Optional/Elective
CSE 1201C PR/CSE 1201E PR	Thesis Report Final	200	0	0	08	04	Open Elective
CSE 1202C PR/CSE 1202E PR	Thesis Seminar Final (Presentation & VIVA VOCE)	200	0	0	08	08	Open Elective
CSE 1203C PR	Workshop and Seminars	100	0	0	02	01	C
CSE 1204E TH	Elective Papers:	100 *(80+20)	04			04	E
CSE 1204 E1	Fundamentals of Management						E (Offered by Deptt. of MBA)
CSE 1204 E2	Bioinformatics: Sequence analysis						E (Offered by Deptt. of Molecular Biology & Bioinformatics)
CSE 1204 E3	Advanced Imaging Techniques						E
CSE 1204 E4	Web Technology						E (Offered by Deptt. of IT)
CSE 1204 E5	Fuzzy Topology						E (Offered by Deptt. of Mathematics)
CSE 1204 E6	Microprocessor						E (Offered by Deptt. of Physics)

CSE 1204EF	Elective Foundation	100 *(80+20)	0	0	0	02	EF
CSE 1204EF1	Communicative English						Department of English
CSE 1204EF2	Yoga						Department of Physical Education
CSE 1204EF3	NSS and Social Services						
Total			04	0	18	19	

*80(Theory) + 20(Internal Assessment)