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RAMA DEVI WOMEN'S UNIVERSITY, BHUBANESWAR

Proceeding of the meeting of the Board of Studies in Computer Science

held on 16.04.2019 at 01.00 P.M. in the University Office, Bhoingar, Bhubaneswar-22.

Members Present :

1. Bibudhendu Patil_{16/4}
2. Debabala Swain.
3. Manalisa Jena
4. Pierna Chandra Sethi
5. Chhabi Rani Panigrahi
6. Prafulla Kumar Behera
7. Sateesh Kumar Pradhan
- 8.
- 9.
- 10.
- 11.

The recommendations of the Board in respect of the +3 Degree Regulations, Detailed Common Syllabus, Text Books and other items for +3 Degree Course are appended with the prescribed form effective from the year 2019-20.

Signature of the Members :-

Bibudhendu Patil_{16/4/19}
CHAIRMAN

1. Bibudhendu Patil_{16/4}
2. Debabala Swain.
3. Manalisa Jena
4. Pierna Chandra Sethi
5. Chhabi Rani Panigrahi
6. @ 16.04.19 (Prafulla Kumar Behera)
7. Sateesh_{16/4/19} (Sateesh Kumar Pradhan)
- 8.
- 9.
- 10.

PROCEEDINGS OF THE MEETING OF THE SPECIAL BOARD OF STUDIES IN COMPUTER SCIENCE HELD ON 16.04.2019

The meeting of the Special Board of Studies in computer science, for the adaptation of Common UG Syllabus was held on 16.04.2019 at 1:00 P.M. in the Department of Computer Science, Rama Devi Women's University, Bhubaneswar.

The following members were present in the meeting.

1. Dr. Bibudhendu Pati, Associate Professor, HoD and Chairperson
2. Dr. Debabala Swain, Associate Professor, Secretary
3. Dr. Chhabi Rani Panigrahi, Asst. Professor, Comp. Science
4. Mr. Purna Chandra Sethi, Asst. Professor, Comp. Science
5. Ms. Monalisa Jena, Asst. Professor, Comp. Science
6. Dr. Satish Pradhan, Professor, PG Dept of Computer Sc. Utkal University.
7. Dr. Prafulla Kumar Behera, Reader, PG Dept of Computer Sc. Utkal University.
8. Dr. B.N.B. Ray, Reader, PG Dept of Computer Sc. Utkal University.
9. Mr. Jyoti Ranjan Mohanty, Professor, OUAU, Bhubaneswar.

After a brief discussion, the following points were resolved.

- The common syllabi for B.A Degree course for computer science were adopted by the members
- The recommendations of the Government in respect of Regulation for B.A Degree Course effective from 2019-20 was adopted by members.
- It was decided that the Dept. of Computer Science, RDWU will offer 2 no.s of GE papers, i.e. Computer Fundamental (GE-I) and C and Data Structure (GE-II).
- In other matters, the following suggestions were made by members.

- A. In Part I of question pattern, fill in the blanks questions may be replaced by MCQ in either pattern as below.
 - a. 20 questions of 1 mark each
 - or
 - b. 10 questions of 2 marks each
- B. In part-IV of question pattern, 2 numbers of 10 marks questions may be replaced by 4 no.s of 5 marks questions so that each module can be covered. In case of 10 marks questions, it should cover all units.
- C. The Lab component of Discrete Mathematics may be replaced by tutorial classes
- D. The members suggested to provide training (to Faculty members/Programmers/Demonstrators) for the following Lab sessions.
 - a. VHDL Programming (Digital Logic)
 - b. Network Simulation
 - c. Prolog Programming
 - d. Numerical Techniques (DS-I) using MATLAB
 - e. Data science (DS-III) using R Programming
 - f. Data Mining (DS-IV)

E. No change in PG and MPhil syllabus for 16-18 sessions 2019-20

Bibudhendu Pati
CHAIRMAN 16/4

Signature of Members:

1. Dr. Bibudhendu Pati, Associate Professor, HoD and Chairperson *Bibudhendu Pati 16/4*
2. Dr. Debabala Swain, Associate Professor, Secretary *Debabala Swain 16/4/19*
3. Dr. Chhabi Rani Panigrahi, Asst. Professor, Comp. Science *Chhabi Rani Panigrahi 16/4/19*
4. Mr. Purna Chandra Sethi, Asst. Professor, Comp. Science *Purna Chandra Sethi 16/4/19*
5. Ms. Monalisa Jena, Asst. Professor, Comp. Science *Monalisa 16/4/19*
6. Dr. Satish Pradhan, Professor, PG Dept of Computer Sc. Utkal University. *Satish 16/4/19*
7. Dr. Prafulla Kumar Behera, Reader, PG Dept of Computer Sc. Utkal University. *Prafulla 16/4/19*
8. Dr. B.N.B. Ray, Reader, PG Dept of Computer Sc. Utkal University.
9. Mr. Jyoti Ranjan Mohanty, Professor, OUAU, Bhubaneswar.

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RAMA DEVI WOMEN'S UNIVERSITY, VIDYA VIHAR
BHUBANESWAR-22

Proceeding of the meeting of the Board of Studies Computer Science (UG)
held on 25/8/2020 at 11:00 A.M / P.M. in the University Office,
Bhoi Nagar, Bhubaneswar-22.

Members Present :

1. Dikshu Chandra Pati
2. S.K. Pradhan
3. Jyoti Ranjan Mishra
4. Dr. Debabala Sahoo
5. Purna Ch. Sethi
6. Monalisa Jena
7. Chhabhi Rani Panigrahi
8. P.K. Behera

Prof./ Dr. Dikshu Chandra Pati is selected as Chairman of the Board for the Academic year 20:20-21,

The recommendations of the Board in respect of the Regulations, Detailed Syllabus, Text Books and other items are appended the prescribed form. (Annexure I attached)

Signature of the Members :-

CHAIRMAN

1. Dikshu Chandra Pati
2. S.K. Pradhan Goteesh
3. Jyoti Ranjan Mishra
4. Dr. Debabala Sahoo
5. Purna Ch. Sethi
6. Monalisa Jena
7. Chhabhi Rani Panigrahi
8. P.K. Behera

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ANNEXTURE – I (UG Computer Science)

1. The Department of Computer Science introduced 25% of the syllabus as the Guided Student Self-Study (Blended Learning) approach at UG level vide Govt. of Odisha Higher Education Department letter no: 20119/ HE, dated 19.06.2020 (i.e. **Unit – 2 of each subject will be considered as Guided Student Self-Study mode for the academic session 2020-21**) in Board of Studies (BoS).
2. The BoS authorizes the Controller of Examination (CoE) to take alternative measures in case of any urgency.
3. The BoS approved the changes made to the UG CBCS syllabus and will be implemented from the session 2020-21 admission batch.

Bibudhendu Pati
(Dr. Bibudhendu Pati) 25/8/2020
Chairman

ANNEXTURE

1. The Department of Computer Science introduced 25% of the syllabus as the Guided Student Self-Study (Blended Learning) approach at both UG and PG levels vide Govt. of Odisha Higher Education Department letter no: 20119/ HE, dated 19.06.2020 (i.e. Unit - 2 of each subject will be considered as Guided Student Self-Study mode for the academic session 2020-21) in Board of Studies (BoS).

2. The BoS authorizes the Controller of Examination (CoE) to take alternative measures in case of any urgency.

3. The BoS discussed about the PG Syllabus (MSc. Computer Science) and approved the changes made. It was also decided that it will be implemented from the session 2019-20 admission batch. The changes made for the PG Syllabus are as follows: 2020-21

- a) 1st Semester Paper: CS-1 - "Data Structure & Algorithm" - 100 marks-6 Credits- HCC - 1: The contents of all units partially changed. The modified syllabus is attached.
- b) 2nd Semester Paper: CS-7 - "Advanced JAVA" -100 Marks-6 Credit - AEC-2 is changed to Subject: "Applied Cryptography" and the detailed syllabus for the same is attached. The Lab component HCC-6 is modified from Advanced Java Lab to Applied Cryptography Lab.
- c) 4th Semester Paper: CS-17 - "Mobile Computing" - 100 Marks - 6 Credit - CEC-4 is changed to Subject: "Cloud Computing" and the detailed syllabus for the same is attached.

4. The BoS approved the changes made to the UG CBCS syllabus and will be implemented from the session 2020-21 admission batch.

5. Data Science CE-201, Soft Computing-CE-202, Data mining CE-401, IOT-CE-401 introduced in PG course-2021.

Bibudhendu Pat
(Dr. Bibudhendu Pat) 5/12/20
Chairman

Sateesh
(Prof. Sateesh Ku. Pradhan)
External Member

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(Dr. Prafulla Ku. Behera)
External Member

[Signature]
(Dr. Jyoti Ranjan Mohanty)
External Member

Debabala Swain
(Dr. Debabala Swain)
Member

Monalisa Jena
(Mrs. Monalisa Jena)
Member

Chhabi Rani Panigrahi
(Dr. Chhabi Rani Panigrahi) 5/12/20
Member

Purna Chandra Sethi
(Mr. Purna Ch. Sethi) 5/12/20
Member



Dept. of Computer Science, RDWU, Bhubaneswar
Proceedings of Board of Studies Meeting held on 14/07/2021

The meeting of the members of Board of Studies, Dept. of Computer Science for the year 2021 was held on 14/07/2021 at 11am through online mode.

The members present in the meeting were:

1. Dr. Debabala Swain, HoD, Dept. of Computer Science, RDWU, Chairperson
2. Dr. Bibudhendu Pati, Asso. Prof., Dept, of Computer Science, R.D.W. University
3. Mrs. Monalisha Jena, Asst. Prof., Dept, of Computer Science, R.D.W. University
4. Dr. Chhabi Rani Panigrahi, Asst. Prof., Dept, of Computer Science, R.D.W. University
5. Sri Purna Chandra Sethi, Asst. Prof., Dept, of Computer Science, R.D.W. University
6. Prof. Satish Pradhan, Former Professor, P.G. Dept. of Computer Science & Application, Utkal University, External Member
7. Dr. P.K. Behera, Dept. of Computer Science & Appl., Utkal University, External Member
8. Dr. Jyoti Ranjan Mohanty, Dept. of Computer Science, OUAT,BBSR, External Member

The minutes of the meeting were as follows:

1. The points raised by various members in the BoS regarding the contents of the UG syllabus were discussed. Since the model syllabus for UG students has to be followed for minimum three years as a matter of principle, all the suggested changes in the syllabus are postponed to be accommodated from the session 2022-2023. *The PG syllabus remains unchanged.*
2. The students may opt at most two elective papers from Swayam/NPTEL courses during the UG/PG program.
3. The external members have authorized the Chairperson BoS and the internal members of BoS to prepare and submit the list of paper setters, moderators and examiners for the UG, PG and PhD examinations.
4. *The SEC-II paper of Utkal, UG prescribed by DHE, was approved and included in the syllabus. The new Pre PhD coursework was approved.*

DP

Panigrahi
14-07-21

14/07/2021

DP

SYLLABUS FOR PH.D. COURSE-WORK

All the scholars of Ph.D. programme of this Department have to undergo a course work of one semester duration. On successful completion of the course work, the scholars may be eligible for registration for Ph.D. subject to final recommendation of Department Research Committee (DRC). The syllabus structure for coursework is given below.

Papers	Course Title	Credits	Marks	Pass Mark	Remarks	Page No.
Paper-I	Research Methodology and Computer Application (Theory & Practical)	4	100	55%	Subject Specific	
Paper-II (Elective)	Elective Subject Specific (Theory)	4	100	55%	Subject Specific	
Paper-III	Review of Related Literature (Practical)	4	100	55%	Common to all subjects	
Paper-IV	Research and Publication Ethics (Theory & Practical)	4	100	55%	Common to all subjects	
	Total	16	300	55%		

Paper-II Elective:
Advance in computational Research.






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Dept. of Computer Science, RDWU, Bhubaneswar
Proceedings of Board of Studies Meeting held on 10/05/2022

The meeting of the members of Board of Studies, Dept. of Computer Science for the year 2022 was held on 10/05/2022 at 11am in the Examination Board room.

The members present in the meeting were:

1. Dr. Debabala Swain, HoD, Dept. of Computer Science, RDWU, Chairperson
2. Dr. Bibudhendu Pati, Asso.Prof., Dept, of Computer Science, R.D.W. University (ABSENT)
3. Mrs. Monalisa Jena, Asst.Prof., Dept, of Computer Science, R.D.W. University
4. Dr.Chhabi Rani Panigrahi,Asst.Prof., Dept, of Computer Science, R.D.W. University
5. Sri Purna Chandra Sethi, Asst.Prof., Dept, of Computer Science, R.D.W. University
6. Dr.P.K.Behera, Associate Prof., Dept. of Computer Science & Appl., Utkal University, External Member
7. Ms. Monalisa Swain, HOD, Dept. of Computer Science, Sailabala Women's (Auto) College, External Member

The minutes of the meeting were as follows:

1. The +3 BSc CBCS syllabus was passed through the BoS and no changes were suggested.
2. The PhD course work syllabus was passed through the BoS and no changes were suggested.
3. The new PG syllabus structure and detailed syllabus was passed through the BoS.
4. The Advanced Diploma in Computer Application (ADCA) course which was introduced in the year 2019 was resolved to be splitted into two skill-based courses, namely 'Graphics Designing' and 'Programming in C' of 36 hours each (theory and practical) to be offered to PG students of the University. The above two courses will be offered by the E-Learning

Panigrahi

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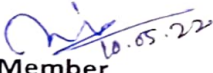
Center of the Department. The respective syllabus of the above two courses were passed through the BoS.

5. The new syllabus of the skill-based course 'Fundamentals of Computer Applications' to be offered to all UG students by the E-Learning Center of the University was passed through the BoS.

6. The external members have authorized the Chairperson BoS and the internal members of BoS to prepare and submit the list of paper setters, moderators and examiners for the UG, PG and PhD examinations.

7. The PhD examiner list of Ms. Sasmita Panida with regd. no - PhD-CS-02/2020 is approved.
The meeting was concluded with a vote of thanks by the chair.


Member
(Dr. C. Panigrahi)


Member
(Ms. M Jena)


Member
(Mr. P C Sethi)

(ABSENT)
Member
(Dr. B. Pati)


Member
(Ms. M Swain)


Member
(Dr. P. K. Behera)


Chairperson
(Dr. D. Swain)

SEME STER	COURSE OPTED	COURSE NAME	CREDITS
I	Ability Enhancement Course-1	AEC-1 (Environmental Science)	2
	Core Course-1	Programming using C	4
	Core Course-1 Practical	Programming using C LAB	2
	Core Course-2	Digital Logic	4
	Core Course-2 Practical	Digital Logic Lab	2
	Generic Elective-1	GE-1	4
	Generic Elective-1 Practical	GE-1 Tutorial/ LAB	2
II	Ability Enhancement Course-2	AEC-2 (English Communication/MIL)	2
	Core Course-3	Programming using C++	4
	Core Course-3 Practical	Programming using C++ LAB	2
	Core Course-4	Data Structures	4
	Core Course-4 Practical	Data Structures LAB	2
	Generic Elective-2	GE-2	4
	Generic Elective-2 Practical	GE-2 Tutorial/ LAB	2
III	Core Course-5	JAVA Programming	4
	Core Course-5 Practical	JAVA Programming LAB	2
	Core Course-6	Database Systems	4
	Core Course-6 Practical	Database Systems LAB	2
	Core Course-7	Discrete Mathematical Structures	4
	Core Course-7 Practical	Discrete Mathematical Structures LAB	2
	Skill Enhancement Course-1	SEC-1	2
	Generic Elective-3	GE-3	4
IV	General Elective-3 Practical	GE-3 Tutorial/ LAB	2
	Core Course-8	Operating Systems	4
	Core Course-8 Practical	Operating Systems LAB	2
	Core Course-9	Computer Networks	4
	Core Course-9 Practical	Computer Networks LAB	2
	Core Course-10	Computer Graphics	4
	Core Course-10 Practical	Computer Graphics LAB	2
	Skill Enhancement Course-2	SEC-2	2
	Generic Elective-4	GE-4	4
	General Elective-4 Practical	GE-4 Tutorial/ LAB	2
V	Core Course-11	Web Technology	4
	Core Course-11 Practical	Web Technology LAB	2
	Core Course-12	Software Engineering	4
	Core Course-12 Practical	Software Engineering Lab	2
	Discipline Specific Elective-1	DSE-1	4
	Discipline Specific Elective-1 Practical	DSE-1 LAB/ Tutorial	2
	Discipline Specific Elective-2	DSE-2	4
Discipline Specific Elective-2 Practical	DSE-2 LAB/ Tutorial	2	
VI	Core Course-13	Artificial Intelligence	4
	Core Course-13 Practical	Artificial Intelligence LAB	2
	Core Course-14	Algorithm Design Techniques	4
	Core Course-14 Practical	Algorithm Design Techniques LAB	2
	Discipline Specific Elective-3	DSE-3	4
	Discipline Specific Elective-3 Practical	DSE-3 LAB/ Tutorial	2

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	Discipline Specific Elective-4	DSE-4	4
	Discipline Specific Elective-4 Practical	DSE-4 LAB/ Tutorial	2

CORE Papers: (Credit: 06 each)

- CORE – 1: Programming Using C
- CORE – 2: Digital Logic
- CORE – 3: Programming Using C++
- CORE – 4: Data Structure
- CORE – 5: Java Programming
- CORE – 6: Database Systems
- CORE – 7: Discrete Mathematical Structures
- CORE – 8: Operating System
- CORE – 9: Computer Network
- CORE – 10: Computer Graphics
- CORE – 11: Web Technologies
- CORE – 12: Software Engineering
- CORE – 13: Artificial Intelligence
- CORE – 14: Algorithm Design Techniques

Discipline Specific Electives (DSE) Papers:

- DSE-1: Numerical Techniques
- DSE-2: Unix Shell Programming
- DSE-3: Data Science
- DSE-4: Project Work / Dissertation

OR

Data Mining

Skill Enhancement Courses (SEC):

- SEC – 1: Python Programming.
- SEC – 2: Android Programming.

Ability Enhancement Courses (AEC):

- AEC – 1: Environmental Science.
- AEC – 2: English Communication/MIL.

Generic Elective (GE): (Credit: 06 each) papers offered by Computer Science/IT Departments for other disciplines. It is recommended that the other departments must offer the following papers as GE.

GE – 1: Computer Fundamentals

GE – 2: C and Data Structures

GE – 3: Programming in Python

GE – 4: Web Technology

However the students from **Computer Science/IT** discipline shall choose **four papers of any one discipline** as their GE papers from the following list.

GE-1:

- a) Mathematics–1
- b) Physics–1
- c) Statistics–1
- d) Electronics –1

GE-2:

- a) Mathematics–2
- b) Physics–2
- c) Statistics–2
- d) Electronics –2

GE-3:

- a) Mathematics–3
- b) Physics–3
- c) Statistics–3
- d) Electronics –3

GE-4:

- a) Mathematics–4
- b) Physics–4
- c) Statistics–4
- d) Electronics –4



Detailed Syllabus

CORE – 1: Programming Using C

OBJECTIVES:

- To learn basics of C programming language.
 - To be able to develop logics to create programs/ applications in C.
-

Unit-1

SYLLABUS FOR Ph.D. COURSE-WORK

All the scholars of Ph.D. programmes of this Department have to undergo a course work of one semester duration. On successful completion of the course work, the scholars may be eligible for registration for Ph.D. subject to final recommendation of Department Research Committee (DRC). The syllabus structure for coursework is given below.

Papers	Course Title	Credits	Marks	Pass Mark	Remarks	Page No.
Paper-I	Research Methodology and Computer Application (Theory & Practical)	4	100	55%	Subject Specific	
Paper-II (Elective)	Elective: Subject Specific (Theory)	4	100	55%	Subject Specific	
Paper-III	Review of Related Literature (Practical)	4	100	55%	Common to all subjects	
Paper-IV	Research and Publication Ethics (Theory & Practical)	4	100	55%	Common to all subjects	
	Total	16	300	55%	--	--

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**Proceedings of Board of Studies meeting
of Dept. of Computer Science held on dt. 20.04.2023 at 11.30 AM for the
Academic Year 2023-24 as per CoE letter No:638/2023 dated 15.04.2023**


Members of BoS:

1. HOD Computer Science, SB Women's College, Cuttack
2. Dr. P.K. Behera, Asso. Prof. Dept. of Computer Science & Applications, Utkal University.
3. Dr. Sateesh Pradhan, Prof. Dept. of Computer Science & Applications, Utkal University.
4. Dr. Bibudhendu Pati, HoD. Asso. Prof. Dept. of Computer Science, RDWU.
5. Dr. Debabala Swain, Asso. Prof. Dept. of Computer Science, RDWU
6. Mrs. Monalisa Jena, Asst. Prof. Dept. of Computer Science, RDWU
7. Dr. Chhabi Rani Panigrahi, Asst. Prof. Dept. of Computer Science, RDWU
8. Dr. Purna Chandra Sethi, Asst. Prof. Dept. of Computer Science, RDWU.

Discussions held and resolutions made unanimously by the Members of BoS in Computer Science as follows.

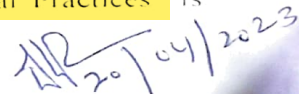
1. The existing syllabus of the UG, PG and Pre-Ph.D. course work in Computer Science approved by the BoS of AY 2022-23 remains unchanged for the AY 2023-24
2. The Members of BoS in Computer Science have recommended the list of names for the following assignments.
 - a) Paper Setters for UG Computer Science (Hons/Pass/Elective) Examination (Appendix-A)
 - b) Moderators for UG Examination (Appendix-B)
 - c) Paper Setters for P.G. in Computer Science Examination. (Appendix-C)
 - d) Examiners for P.G. in Computer Science (Theory & Practical) Examination (Appendix-D)
 - e) Moderators for P.G. in Computer Science Examination (Appendix-E)
 - f) Paper Setters for Pre-Ph.D. Coursework (Computer Science) Examination (Appendix-F)
 - g) Examiners for Pre-Ph.D. coursework (Computer Science) Theory & Practical Exam (Appendix-G)
 - h) Moderators for Pre-Ph.D. coursework Examination (Appendix-H)
3. P.G. in Computer Science, and Pre-Ph.D. in Computer Science coursework are recommended without any modification to continue as such for the session 2023-24
4. The Value Added Course (Syllabus) entitled "Web Development and Ethical Practices" is unanimously approved by the BoS (Appendix-I)


20.04.2023


20/4/23


20/4


20.04.2023


20/04/2023