



Government College (Autonomous) Rajahmundry

Board of Studies: 2022-23

Date: 16 September 2022

Through Virtual Conference

In obedience to the proceedings of the principal, the Board of Studies, Department of Computer Science and Applications of Government College (Autonomous) Rajahmundry have met at 02:45 PM on 16 September 2022 through Google Meet under the Chairmanship of SriD Suneel Kumar, HoD, Department of Computer Science to discuss the curriculum design for the UG for the academic year 2022-23.

Agenda

1. Revision of Course Structure under CBCS
2. Curriculum Design for all the Semesters
3. Identifying /inclusion of components of Skill Development, Employability and Entrepreneurship in the curriculum
4. Additional inputs into the curriculum
5. Designing Model Question Papers and identifying potential paper setters
6. Curriculum for the Certificate Courses
7. Any other proposal with the permission.of the chair

Minutes of the Meeting

Before initiating the discussing on agenda, the Chairman introduced the external members and internal members to the Board. He also informed the members that the department of computer science is offering 7 programs in B.Sc (which includes M.P.Cs, M.S.Cs, M.G.Cs, G.G.Cs and B.Sc (IT), M.E.IoT, B.Sc Mathematics, Statistics, Data Science), 1 program in B.Com (Computer Applications)). The Chairman also proposed new course structure aligned with the New Education Policy 2020, and the reforms put forth by Andhra Pradesh State Council for Higher Education. He also informed the committee that these reforms have been adopted by the Affiliating University Adikavi Nanayya University, Rajahmahendravaram. The board decided to introduce the following curriculum reform for the admitted batch 2022-23 all the 8 programs mentioned above. He initiated the discussion on the agenda points by presenting the Draft BoS book on the Screen.

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAHMUNDRY

(Accredited by NAAC with "A+" Grade)

Board of Studies Dated:

DEPARTMENT OF COMPUTER SCIENCE & APPLICATION


Meeting of the Board of studies is held at in the Department of Computer Science & Applications, Govt. College (A), Rajahmundry with the following agenda.

Agenda

1. Curriculum Design for all the Semesters
2. Designing of Course Outcomes and Course Objectives
3. Identifying /inclusion of components of Skill Development, Employability and Entrepreneurship in the curriculum

Additional inputs into the curriculum

1. Designing Model Question Papers and identifying potential paper setters
2. Innovative Teaching – Learning Methodology (Learner Centric)
3. Curriculum for the Certificate Courses
4. Academic activities of the Department
5. Any other proposal with the permission of the chair


(Suneel Kumar Duvvuri)
CHAIRMAN
BOARD OF STUDIES



Agenda 1: Curriculum design of all semesters for B.Sc., B.Com programs with Computer Science/ Application programs.

Discussion1:

In the beginning, The BOS Chairperson Mr. Suneel Kumar Duvvuri, presented the curriculum structure of B.Sc programmes (M.P.Cs, M.S.Cs, M.G.Cs, G.G.Cs, M.E.IoT, IT Honors, Data Science) and also presented the list of new courses introduced in the current academic year and sought their opinion on the same.

CSC-160 Web Interface Designing Technologies,

CSC -161 Web Applications Development using PHP& MYSQL

CSC-162 Internet of things

CSC-163 Application Development using Python

CSC-164 Data science

CSC-165 Python for Data Science

While appreciating the curriculum revision the University nominee, Dr V. Persis, enquired that whether there will be any problem in the student progression to higher studies. The chairman replied that the introduced courses are more relevant to the PG entrance examinations throughout all state and central universities in India and also for IT careers.

The members welcomed the proposal of the introduction of new courses in B.Sc (M.P.Cs, M.S.Cs, M.G.Cs, G.G.Cs) and approved the same.

Following the discussion above, the chairman presented the curriculum structure of B.Sc (M.E.IoT) programme and list of new courses introduced in the current academic year and sought their opinion on the same.

IOT -117 6A: Machine Learning for IoT

IOT -118 7A: Computer Vision

IOT -119 6B: Java Programming for IoT

IOT -120 7B: Big Data and Analytics

IOT -121 6C: Web of Things

IOT -122 7C: Security in IoT



The chairman presented the curriculum structure of B.Sc (IT Honors) programme and list of new courses introduced in the current academic year and sought their opinion on the same.

- IT138 Python programming
- IT139 Foundations of Machine Learning
- IT140 Information Security
- IT141 BigData and Analytics
- IT142 Foundation of Data Science
- IT143 Computer Vision
- IT144 PHP & Mysql
- IT145 RFID and Sensor networks
- IT146 ANDROID Programming
- IT147 Project Work

Following the discussion above, the chairman presented the curriculum structure of B.Sc (Mathematics, Statistics, Data Science) program and list of new courses introduced in the current academic year and sought their opinion on the same.

The chairman presented the curriculum structure of B.Sc (B.Com CA) program and list of new courses introduced in the current academic year and sought their opinion on the same.

- CAP173 6A: Big data Analytics using R
- CAP174 7A: Data Science using Python
- CAP175 6B: Mobile application development
- CAP176 7B: Cyber security and malware analysis
- CAP177 6C: E- commerce application development
- CAP178 7C: Real time governance system (RTGS)
- CAP179 6D: Multimedia Tools and Applications
- CAP180 7D: Digital imaging

The members welcomed the proposal of the introduction of courses in B.Sc (Mathematics, Statistics, Data Science) and approved the same.



The chairman presented the curriculum structure of B.Sc (IT Honors) programme and list of new courses introduced in the current academic year and sought their opinion on the same.

IT138 Python programming

IT139 Foundations of Machine Learning

IT140 Information Security

IT141 BigData and Analytics

IT142 Foundation of Data Science

IT143 Computer Vision

IT144 PHP & Mysql

IT145 RFID and Sensor networks

IT146 ANDROID Programming

IT147 Project Work

Following the discussion above, the chairman presented the curriculum structure of B.Sc (Mathematics, Statistics, Data Science) program and list of new courses introduced in the current academic year and sought their opinion on the same.

The chairman presented the curriculum structure of B.Sc (B.Com CA) program and list of new courses introduced in the current academic year and sought their opinion on the same.

CAP173 6A: Big data Analytics using R

CAP174 7A: Data Science using Python

CAP175 6B: Mobile application development

CAP176 7B: Cyber security and malware analysis

CAP177 6C: E- commerce application development

CAP178 7C: Real time governance system (RTGS)

CAP179 6D: Multimedia Tools and Applications

CAP180 7D: Digital imaging

The members welcomed the proposal of the introduction of courses in B.Sc (Mathematics, Statistics, Data Science) and approved the same.



The University nominee, Dr V. Persis enquired about the other institutions in AP who are offering this program and also enquired about the nomenclature of the program in other institutions such as whether it is called B.Sc (Statistics) or B.Sc (Computer Science).

The chairman replied that it is a restructured three major B.Sc program with a combination of Mathematics, Statistics, Computer Science. He further informed that, this combination has been taken from the compendium of restructured courses recommended by the Government of Andhra Pradesh in 2018 through Commissionerate of Collegiate Education under Job/Market oriented programs to create employability skills among the students and make them industry/market ready.

The chairman also informed that the Government College (A), Rajahmundry is the first Institution to introduce this program in the entire state and now with the encouragement of Commissionerate of Collegiate Education few other colleges such as PR Government college, Kakinada , GDC, Ravulapalem etc.. in the state introduced the same. He further added that some of the students of the first batch of this program got placements in TCS through virtual placement drives.

While continuing the discussion, Dr.V.Persis, University Nominee expressed her concern about whether the component of computer science is missing in the syllabi. The chairman replied that 60 % of IoT belongs to computer science and being the program is market-oriented more hands-on and skill component is included in the syllabi and hence there won't be any problem.

The chairman proclaimed that he himself designed the curriculum for IoT for APSCHE which is being followed by various universities in the state including the Adikavi Nannaya University. The members congratulated the chairman for the same.

Dr.V.Persis, the University nominee asked about the availability of Laboratories for the IoT courses. The Chairman replied that for the II semester course the college having Arduino Boards (and Nos) in the III and IV semesters the practical's can be done through an open-source network simulator (NS-2) or through Packet Tracer as the college has the MoU with Cisco to use this proprietary software. He also added that the college is having Raspberry pi



boards and 8 types of sensors to deal the practical sessions to the students.

Resolutions

It is resolved to approve the introduction of new courses introduced i.n B.Sc (M.P.Cs, M.S.Cs, M.G.Cs, G.G.Cs, M.S.Ds), B.Sc (M.E.IoT), B.Sc (IT), B.Com (CA).

Agenda 2: Designing of Course Outcomes and Course Objectives

Discussion:

The BoS Chairperson Mr. Suneel Kumar Duvvuri, informed the board about the Outcomes and Objectives of each course. The Board spent considerable amount of time and unanimously approved the Cow-se outcomes of all courses.

Resolutions:

All the Course Outcomes are Approved as framed in the BoS

Agenda 3: Identifying /inclusion of components of Skill Development, Employability and Entrepreneurship in the curriculum

Discussion:

The members present discussed about the Skill development and Employability and Entrepreneurship components in the curriculum keeping in view of demand for the Job/Market oriented programs by the students. The members agreed in view of scope for enriching the student's knowledge and its applicability.

Resolutions:

It is resolved to approve the inclusion of components of Skill Development, Employability and Entrepreneurship in the curriculum

Agenda 4: Additional inputs into the curriculum

Discussion:

The members present discussed about the Additional inputs to the curriculum and approved to add some additional inputs for courses.

Resolutions:

It is resolved to approve the Additional inputs added to the curriculum.

Agenda 5: Designing Model Question Papers and identifying potential paper setters

Discussion:

The members of BoS identified subject experts and prepared a list of examiners as well as paper setters for Semester End Examinations. The Board also discussed about



the Blue print of the Question papers for SEE.

Resolutions:

It is resolved to approve the list of examiners and paper setters for the Academic year 2021-22. It is also resolved to approve the Blue print of the Question papers.

Agenda 7: Curriculum for the Certificate Courses

Discussion:

The chairman proposed “Web Graphics”, “Office Automation” “Computer Hardware networking and training” Certificate courses for the academic year 2022-23.. The Board gone through all the proposals and agreed to offer all the three certificate courses for the academic year 2022-23

Resolutions: It is resolved to approve the the new certificate courses namely e-Publishing and MS Office, for the Academic year 2022-23.

Finally, the Chairman thanked all the internal subject experts of the department for their effortless support in preparing the document and also thanked the University for their Valuable Suggestions and feedback on shaping the document for better interest of student community. There being no other matter, the meeting was concluded with a vote of thanks by the chair.



It is resolved to approve the list of examiners and paper setters for the Academic year 2022-23.

It is also resolved to approve the Blue print of the Question papers.

Agenda 7: Curriculum for the Certificate Courses

Discussion:

The chairman proposed “Hardware networking and training” and “MS Office” “Desktop publishing” Certificate courses for the academic year 2022-23. The Board gone through all the proposals and agreed to offer all the three certificate courses for the academic year 2022-23

Resolutions:

It is resolved to approve the new certificate courses namely *e-Publishing and MS Office,*

for the Academic year 2022-23.

Finally, the Chairman thanked all the internal subject experts of the department for their effortless support in preparing the document and also thanked the University for their Valuable Suggestions and feedback on shaping the document for better interest of student community. There being no other matter, the meeting was concluded with a vote of thanks by the chair.


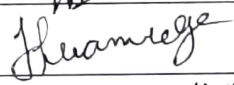

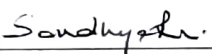
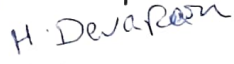
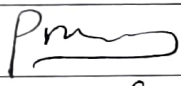

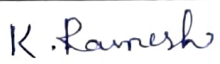
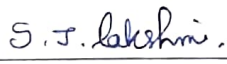
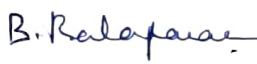
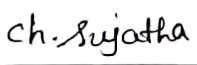
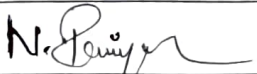

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DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

CONSOLIDATED REPORT OF BOARD OF STUDIES FOR THE YEAR 2022-23

The Meeting Board of Studies of Computer Science & Applications department was convened on 16/sep/2022 under the Chairmanship of Mr. Suneel Kumar Duvvuri Head / Lecturer-in-charge of Department of Computer Science and Applications. The following members are present

S.No.	Name	Designation	Signature
1.	Dr. V. Persis	University Nominee	
2.	Smt. E. Jyothi Kiranmayi	Local Nominee	
3.	Mr. R V Satyanarayana	Local Nominee	R.V. satyanarayana
4.	Sri Vasanth Kumar	Industrial Nominee	
5.	Smt U Sandhya Rani	Faculty Member	
6.	Mr Devaraju Hanumanthu	Faculty Member	
6.	Sri P. Narasinga Rao	Faculty Member	
7.	Sri. D. Seetha Ramulu	Faculty Member	
8.	Sri K.Ramesh	Faculty Member	
9.	Kum S.Jaya Lakshmi	Faculty Member	
10.	Smt B.Parameswari	Faculty Member	
11.	Smt Ch.Sujatha	Faculty Member	
12.	Smt N.Priyanka	Faculty Member	
13.	Smt M.Tejaswi	Faculty Member	
14.	Pikki Simhadri	Student	