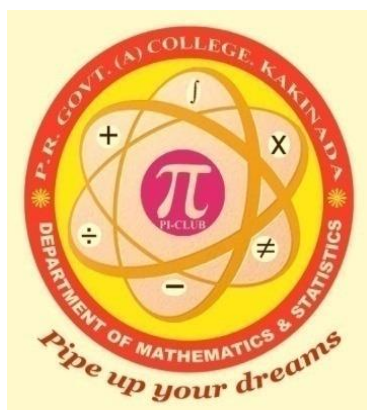


PITHAPUR RAJA'S GOVERNMENT COLLEGE(A)

KAKINADA



DEPARTMENT OF MATHEMATICS



BOARD OF STUDIES : 2023 - 24

DATE : 31- 08 – 2023

Introduction

The Board of Studies is a statutory body and reports to the Academic Council through the Dean Concerned. Each Academic Department shall have a Board of Studies. All academic matters like Introduction of a new Academic Programme, Revision of a programme / course, review of academic rules, etc. shall be handled by the board of studies.

➤ **Composition of the Board of Studies**

The Board of Studies shall consist of :

1. Head of the Department - Chairman
2. All Lecturers of the Department.
3. . External Members (a minimum of two)- Co-opted for their expertise and belonging to the concerned profession or industry –in consultation with the Vice Chancellor.
4. Three student numbers from each year (1st, 2nd, 3rd) nominated by HoD.
5. Secretary – nominated by the Head of the Department from the Department.

The BOS considers the feedback received from stakeholders who include students, parents, alumni, industry experts, academic peers and faculty and deliberates on the same to recommend to the Academic Council, the kind of changes that will be brought into curriculum related to various programs. The BOS ensured that overall academic and research system as conceived by the University is properly built into the curriculum related to various programs offered by the University. The BOS keeps track of the emerging trends and latest industry requirement, the global changes taking place in relation to the innovativeness etc. and bring in the necessary changes into curriculum so that the curriculum is up to date addressing all current requirements.

Following is the working method adapted by BOS

1. Seeks feedback from all the stakeholders (students, parents, alumni, industry experts, academic peers, community persons)
2. Discusses the feedback by the Departmental curriculum Committee
3. Makes change request and develops agenda items
4. Discusses the changes required in BOS
5. Makes recommendations to the academic council
6. Makes the approved changes and come out of view version of curriculum and bring the necessary changes for implementing the curriculum.

**DEPARTMENT OF COLLEGIATE EDUCATION
GOVERNMENT OF ANDHRA PRADESH**

**PROCEEDINGS OF THE PRINCIPAL, PITHAPUR RAJAH's GOVT. COLLEGE [A]::
KAKINADA**

Present: Dr. B.V. TIRUPANYAM, Ph.D.

Rc.No.1/ A.C/BOS/2023-24

Dt.29 Aug2023

Sub: P.R.G.C[A] – Academic Cell - **Conduct of BOS Meetings for the Academic Year2023-24** – Guidelines issued - Regarding.

Ref: Resolutions adopted in 25th Staff Council Meeting held on 29 Aug 2023

The Autonomous colleges are, as per its vision, mission, stated objectives and core values, mandated to design and develop their own outcome -based curricula keeping in view the societal, local and global industry requirements, employability and industry – ready and transferable skills duly prescribing Course Outcomes (COs), Programme Outcomes (POs) and Programme Specific Outcomes (PSOs) and suitable learning outcome assessment management system through robust and transparent evaluation system to measure their attainment levels by the students.

The Sustained Developmental Goals (SDG-4) of UNEP recommended assurance of quality to students in HEIs promoting creativity, critical thinking and collaborative skills, while building curiosity, courage, resilience and gender equality among students.

Further, the NEP-2020 recommended that the HEIs shall equip students with such skills that translate them into leaders and potential entrepreneurs too besides credit transfer mechanism through ABC (Academic Bank of Credits).

The HEIs are also, as per the Revised Accreditation Framework [RAF] of NAAC, endowed with the responsibility of rolling out quality and holistic human resources to the modern Indian Economy by ingraining quality in teaching- learning process by facilitating the students experience a wide range of participative and experiential learning strategies including field trips, conferences, integration of technology, community service programmes, career guidance, certificate and value added courses, research and inquisition based teaching, exchange programmes, gender equity programmes, etc.

Besides, the students shall have social consciousness, regard for constitutional provisions, right perspective on environmental protection, awareness on gender equity, health and hygiene, Yoga and wellness, college social responsibility, culture and values, etc., to mention a few.

Further, the Ministry of India, GoI, through NIRF, prescribes quality research, infrastructure augmentation, enhanced placement and progression to higher education, equipment of employability skills leading to enhanced public perception about the college among the public.

Our institution has, from AY 2022-23, has devised its new vision and mission along with objectives and core values necessitating design and re-orientation of its academic administration in tune with them.

ORDER:

In the light of the above mandate and responsibilities prescribed by institutions vision and mission, SDG-4, NEP – 2020, NAAC, NIRF to the autonomous HEIs, need to customize, design and re-orient their academic and research administration in tune with the policies of above bodies, our institution is no exception.

Hence, the Chairmen of U.G and P.G Boards of Studies of various Departments are requested to make necessary arrangements for the conduct of the meetings on **31 August 2023**. They are further requested to prepare curricula and extracurricular activities and devise suitable evaluation system keeping in mind above recommendations to make students a wholesome personality and a 21st century student capable of facing challenges, adaptive to changes, creative and innovative.

Further, the Chairman of the each BOS, in association with the IQAC coordinator, preceding the

BOS meeting, is requested to prescribe benchmarking, quality initiatives in pedagogy and learning; in design of curriculum (with 20% change) and optimum utilization of existing human, physical and ICT resources and adopt resolutions to the extent of benchmarks (As per SOP given in **Annexure – I**). Further, as the regular attendance of students to the classes is a deciding factor in enhancement of quality in learning, a minimum attendance of 60% for I mid-term examination, 75% for II mid-term examination under CIA component shall be the benchmark for attendance and it shall be approved in the BOS. The Chairmen are also requested to approve the new programmes to be introduced for 2023-24, if any, number of certificate courses, their frequency, Bloom's- Taxonomy based evaluation system for effective learning outcomes as per the Annexure – I.

The Chairmen are, therefore, requested to

- Design curricula of Odd and even semesters for the A.Y 2023-24 both for U.G and P.G courses in tune with the stated vision, mission of the institution, RAF of NAAC, NEP-2020 and NIRF.
- Conduct meeting with employers, parents, alumni, shall take feedback on the existing curricula and invite suggestions and changes to be made.
- Invite the University nominee, subject experts, industrial nominees, student nominees, parents well in advance along with the date, venue, agenda, etc. A soft copy shall be communicated well in advance to the members to have an idea on the matters.
- Facilitate much room for intense deliberation on the design of the curricula, evaluation system, research component, enhancing learning experiences, resource utilization by staff and students, etc.,
- Each Department shall approve and recommend additional credits for additional modules, training programmes, N.S.S, N.C.C, participation in cultural programs, sports and games, environmental programs, blood donations camps, etc.
- All meetings shall be offline. Online attendance of members faculty will be permitted only in exceptional cases.
- The Chairmen shall submit minutes of the meeting in the prescribed format only (Annexure – II) in triplicate (hard copies) to the Academic cell for onward submission to the IQAC, Examination cell and library within three days from the completion of BOS meeting and besides hosting the soft copy in the college website within the period stipulated.
- Each Chairman of BOS, shall get the rough draft of the curricula verified and approved by the Principal, Academic Cell and IQAC before the actual BOS meetings to ensure uniformity and commensurate with the stated vision and mission of the college among the departments.
- The Academic Cell coordinator shall be the Chief Coordinator for the BOS meeting activity and IQAC coordinator will be the additional coordinator.
- The Academic Coordinator and IQAC coordinator conducted a meeting with the Chairmen, BOS on 28 August 2023 and explain the structure of curricula, uniformity other modalities.
- The Controller of Examinations of the institution shall fund the BOS meetings from the available funds on the condition of reimbursement after receiving autonomous funds from UGC. Initially, he shall pay Rs. 5,000/- uniformly as an advance to each Chairman towards each course (If BOS meetings for multiple courses are held under one Chairmanship, he/ she shall be given advance amount equivalent to the number of courses x Rs.500/-)
- The Chairman of each BOS shall apply to the principal for advance amount for meeting the BOS meetings with head-wise expenditure in the prescribed format (Annexure-III).

Following contents shall be presented in the BOS document in order

1. Proceedings of the Principal pertaining to BOS
2. Composition of BOS
3. Vision and Mission of the college
4. Agenda: It shall include ATR on the previous BOS meeting first, resolutions, etc., later.
5. Table showing the Allocation of Credits in the following table for both theory and Lab in case of science subjects

S. No	Semester	Title of the Course (Paper)	Hrs./week	Max. Marks (SEE)	Marks in CIA	Credits
4	Page III	Optics	4	50	50	4

6. Resolutions adopted in the meeting with detailed discussion that took place during the meeting (Activities and Bench marking as per Annexure –I)

7. At the end of each theory paper, each topic shall be mapped as per the Blooms taxonomy and scope of that topic for skill/ employability/ entrepreneurship opportunities in the following table incorporated

S. No	Subject	Semester	Title of the Course (Paper)	Topic	Parameter as per Blooms taxonomy (Knowledge/ Application/ Creativity/ Innovation)	Experiential learning component	Scope (Skill/ employability/ entrepreneurship)
1	III	Botany	Plant Physiology	Plant Cell	Knowledge	Shall be shown Microscope	
2	III	History	Tourism	Tourism management	Application	Apprenticeship	Employability

8. Each BOS Chairman shall, immediately after syllabus, tabulate the changes made in the syllabus/paper along with justification, in the Proforma given in Annexure – I.
9. Attendance of Members present with signatures in the tabular form.
10. List of Examiners & Paper setters
11. Syllabus for each course (both theory & Practical in case of Science subjects) followed by model question papers (theory & practical) and allocation of CIA (50marks) for each course with structure.
12. Each student (2023-24 AB) has to complete one MOOCS course from SWAYAM in any subject per year which is mandatory.

CIA structure for Single Major system

- Out of 50 marks for CIA, 25 marks are allocated for Mid examinations. In each semester two mid examinations to be conducted and the average of the two will be considered.
- I mid examination is to be conducted in offline mode at college level and II mid examination is to be conducted in online mode at department level.
- I mid examination to be conducted in offline mode in which **one essay** question for ten marks out of two questions, **two short** answer questions with five marks each out of four questions and five objective questions to be given for each paper.
- Question paper is to be given as per the following structure for the courses with **4 units**

S.No	Unit No	Long Answer Question(10M)	Short Answer Question(5 M)	Objective Questions(1M)
1	I	1	0	1
2	II	1	0	1
3	III	0	2	1
4	IV	0	2	1+ one question from any unit with more syllabus weightage

- For I mid examination to be conducted in offline mode, Question paper is to be given as per the following structure for the courses with **5 units**

S.No	Unit No	Long Answer Question(10M)	Short Answer Question(5 M)	Objective Questions(1M)
1	I	1	0	1
2	II	1	0	1
3	III	0	1	1
4	IV	0	1	1
5	V	0	1+ one question from any unit(III or IV or V) with more syllabus weightage	1

- The remaining 25 marks for CIA are allocated as per the following structure.

Project-10M	Viva on theory- 3M	Assignment- 5M	Seminar- 5M	Clean & green and Attendance- 2M
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- For II semester, Out of 50 marks for CIA, 25 marks are allocated for Mid examinations. In each semester two mid examinations to be conducted and the average of the two will be considered.
- I mid examination is to be conducted in offline mode at college level and II mid examination is to be conducted in online mode at department level.
- I mid examination to be conducted in offline mode in which **one essay** question for ten marks out of two questions, **two short** answer questions with five marks each out of four questions and five objective questions with one mark each.
- The remaining 25 marks for CIA are allocated as per the following structure.

Project-10M	Viva on theory- 3M	Assignment- 5M	Seminar- 5M	Clean & green and Attendance- 2M
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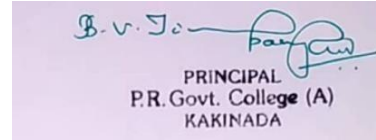
CIA structure for 3 Major system

- Out of 50 marks for CIA, 25 marks are allocated for Mid examinations. In each semester two mid examinations to be conducted and the average of the two will be considered.
- I mid examination is to be conducted in offline mode at college level and II mid examination is to be conducted in online mode at department level.
- I mid examination to be conducted in offline mode in which **one essay** question for ten marks out of two questions, **two short** answer questions with five marks each out of four questions and five objective questions with one mark each.
- The remaining 25 marks for CIA are allocated as per the following structure.

Project-10M	Viva on theory- 3M	Assignment- 5M	Seminar- 5M	Clean & green and Attendance- 2M
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- Percentage of syllabus changes in each paper
- Measure outcome attainment learning levels of students through direct and indirect methodology and mapping COs and POs
- Text & Reference Books
- e-content links.

Enclosures: Annexures- I, II & III Copy to:
Lecturers in-charge(BOS Chairmen) of
all the departments
Academic Coordinator
IQAC Coordinator
Controller of Examinations
Office.



PRINCIPAL
Pithapur Rajah's **Government Autonomous**
College
Kakinada



OFFICE OF THE DEAN, ACADEMIC AFFAIRS
ADIKAVI NANNAYA UNIVERSITY
RAJAMAHENDRAVARAM

No. ANUR/DAA/PR Govt. College (A)/Sub. Experts/2021

Date: 22-10-2021

PROCEEDINGS OF THE VICE-CHANCELLOR

Sub:- ANUR- DAA – Nominated University Subject Experts for BOS – PR Govt. College (A), Kakinada – Orders - Issued.

Ref:- 1. Lr. dated 15.09.2021, from the Principal, PR Govt. College (A), Kakinada
2.Proc. No: ANUR/PRG College (A), KKD/UG BoS/2019/09, dated 19.03.2019

Read:-Note for Orders of the Vice-Chancellor dated 21.10.2021

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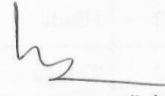
ORDERS

Having consider the request cited in the ref. 1, the Vice-Chancellor is pleased to order that the following members be nominated as University Subject Experts for UG Board of Studies of **PR Govt. College (A), Kakinada** for a period of three years from the date of the proceedings issued.

S.No.	UG Courses	Name of the Subject Expert
1	English	Dr. Prasanthi Sree, AKNU MNS Campus, Kkd, Ph No: 9848297555, sathupathi.sri@gmail.com
2	Hindi	Dr. N Venkata Ramana, SKBR College, Amalapuram, Ph. No: 9849373773
3	Telugu	Dr. P. Nagaraju, GDC, Palakollu, Ph.No: 9052038569, raju00517@gmail.com
4	Sanskrit	Dr. TGY Acharyulu, SKR Womens College, Rajahmundry, Ph. No: 9848628812
5	Mathematics	Dr. V. Anantha Lakshmi, Principal, GDC Pithapuram, Ph. No : 9963786386, ananthamaths@rediffmail.com
6	Statistics & Actuarial Sciences	Dr. D V Ramana Murthy, HoD of Statistics, SKVT College, Rajamahendravaram, Ph.No: 9949135864, drdvrmurthy@gmail.com
7	Chemistry & Analytical Chemistry	Dr. K. Jhansi Lakshmi, Principal, Ideal College of Arts & Sciences, KKD, Ph.No: 9441236409, jhansikalisindi@gmail.com
8	Physics & Electronics	Dr. Paul Diwakar, Sri CRR College (A), Eluru, 9985050696
9	Petro Chemicals	Dr. M Trinadh, Lecturer in Chemistry, Govt. College (A), Rajahmundry, Ph. No: 8639551783
10	Bio-Chemistry	Dr. M Suvarchala, Lecturer in home science, ASD women's Degree College, KKD, Ph. No: 9346512694, suvarchakamallela@gmail.com
11	Food Science	
12	Botany	Dr. J. Sujatha, Leturer in Botany, GDC Rjy, Ph.No: 9441050910, drjsuncetha@gcrjy.ac.in
13	Microbiology	Dr. D Aruna, Lecturer in Micro-biology, ASD Women's College, Kakinada, Ph. No: 9182525872
14	Zoology	Dr. B. Tejo Murthy, Lecturer in Zoology, GDC Yeleswaram, Ph. No: 9703799970, drmtm2011@gmail.com
15	Bio Technology	Dr. B. Nageswari, Lecturer in Biotechnology, GDC Rjy, Ph. No: 986621955

16	Commercial Aquaculture	Dr. P Ramamohana Rao, Aquaculture Consultant, KKD, Ph. No: 9885144557, asreenivasulu@gmail.com
17	Computer Science & Computer Applications	Mr. N. Naga Subrahmanyesweri, Lecturer in Computer Science, ASD Women's College, KKD, Ph. No: 9948438376, yesweri.velugu@asddgcw.ac.in
18	Commerce	Dr. K. Ratna Manikyam, Govt. College (A), RJY, Ph. No: 8919230362, drkrn@grjy.ac.in
19	Economics	Dr. D. V. Nageshwara Rao, Lecturer, GDC, RJY, Ph. No: 9490919676
20	History	Dr. B. Anjani Kumari, Lecturer in charge, GDC (W), Ph. No: 891989337
21	Philosophy	Dr. V. Venkatarao, Lecturer in Philosophy, MR College, Vijayanagaram, Ph. No: 9440096609
22	Political Science	Dr. Seetha Mahalaxmi, Lecturer in Political Science, GDC, RJY Ph. No: 9491011844
23	Journalism & Mass Communication	Prof. DVR Murthy, Dept. of Journalism & Mass Communication, Andhra University, Vishakapatnam, Ph. No: 9985051793, 9440974092
24	Horticulture	Dr. J. Sujatha, Lecturer in Botany, GDC, Rjy, Ph. No: 9441050910, drjsuneetha@grjy.ac.in
25	Pharmaceutical Chemistry	Dr. K. Deepthi, Asst. Professor, Dept. of Chemistry, AKNU, Rjy, Ph. No: 9985469607, deepthikorabandi@gmail.com

(BY ORDERS)


Dean 22/10/21
ACADEMIC AFFAIRS

To
The Principal, PR Govt. College (A), Kkd
PA to R
PS to VC,
OOF

Proceedings of the Principal, PITHAPUR RAJAH'S GOVERNMENT COLLEGE(A):

Kakinada

Present : Dr.B.V.Tirupanyam,Ph.D

Rc.No.1/A.C./BOS/2023-24, Dated: 29 AUG 2023

**Sub: P.R.Government College (A), Kakinada-Board of Studies(BOS)-Program / Course
Nomination of members-Orders issued.**

Ref: UGC Guidelines for Autonomous Colleges – 2018

ORDER:

The Principal, P.R.Govt.College(A), Kakinada is pleased to constitute Board of Studies in MATHEMATICS for framing the syllabi in Mathematics subject for all semesters duly following the norms of the UGC Autonomous guidelines.

S.No	Name with Designation and Address	Designation
1	Dr. B.V.Tirupanyam I/C of Mathematics P. R. Govt. College (A), Kakinada	Chair Person
2	Dr. V.Anantha Lakshmi Principal, A.S.D.Govt degree college for women (A) , Kakinada	University Nominee
3	i) Dr. P. Subhashini, Principal Government Degree College, Pithapuram . ii) Sri. K. Chittibabu, Lecturer in Mathematics, Government Degree College, Mummidivaram.	Subject expert
4	Sri. P. S. R. Subrahmanyam, Rtd. HOD of Mathematics, Ideal College of Arts & Science (A), Kakinada	Alumni Member
5	Sri. G .Syam Prasad Reddy	Faculty of the Department
6	Sri. G. Prasada Rao	Faculty of the Department
7	Smt. K.S.I.Priyadarshini	Faculty of the Department
8	Smt. L.S.B.R.Bhanu	Faculty of the Department
9	Smt. K. Samrajyam	Faculty of the Department
10	Smt. N.S.S.Nagadevi	Faculty of the Department
11	Smt. I.Purnima Mahalakshmi	Faculty of the Department
12	Kmt.V.V.Lakshmi Devi	Faculty of the Department

13	Kmt.P.Chitti Sai Lakshmi	Faculty of the Department
14	B.Ajay Kumar	Student Alumni Member B.Sc(M.P.C-EM)
15	A.Syamala	Student Member II B.Sc –M.C.Cs
16	B. Sai Yaswanth	Student Member II B.Sc –M.S.Cs
17	G.Syam Prasad	Student Member III B.Sc –M.P.Cs
18	CH.Vara Lakshmi	Student Member III B.Sc –M.P.C (EM-II)

The above members are requested attend the BOS meetings and share their valuable views , suggestions on the following functionaries:

- Prepare syllabi for the subject keeping in view the objectives of the college, interest of the stake holders and National requirement for consideration and approval of the IQAC and Academic Council.
- Suggest methodologies for innovative teaching and evaluation techniques .
- Suggest panel of names to the Academic council for appointment of examiners.
- Coordinate research, teaching, extension and other activities in the department of the college.



PRINCIPAL
P.R. Govt. College (A)
KAKINADA

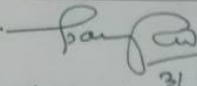
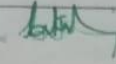
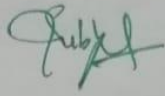
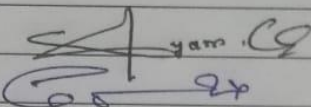
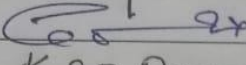
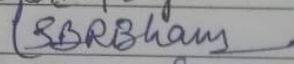
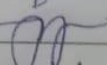
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KAKINADA

Copy to:

- The above individuals
- File

PITHAPUR RAJAH'S GOVERNMENT COLLEGE (A):: KAKINADA
DEPARTMENT OF MATHEMATICS

The Board of studies meeting for Mathematics subject during the academic year 2023 – 2024 conducted at the Dept. of Mathematics on 31-08-2023 at 10.00 Am with Dr.B.V.Tirupanyam, Principal, In-charge in Mathematics, the chair along with the following members.

S.No	Name with Designation and Address	Signature
1	Dr. B.V.Tirupanyam I/C of Mathematics P. R. Govt. College (A), Kakinada	B.V.Ti-  31 Aug 2023
2	Dr. V.Anantha Lakshmi Principal, A.S.D.Govt degree college for women (A) , Kakinada	V. Anantha  31/8/23
3	i) Dr. P. Subhashini, Principal Government Degree College, Pithapuram . ii) Sri. K. Chittibabu, Lecturer in Mathematics, Government Degree College, Mummidivaram.	 K. Chittibabu 31/08/23
4	Sri. P. S. R. Subrahmanyam, Rtd. HOD of Mathematics, Ideal College of Arts & Science (A), Kakinada	
5	Sri. G .Syam Prasad Reddy	 G. Syam .CS
6	Sri. G. Prasada Rao	 G. P. Rao
7	Smt. K.S.I.Priyadarshini	K. S. I. Priyadarshini
8	Smt. L.S.B.R.Bhanu	 L.S.B.R.Bhanu
9	Smt. K. Samrajyam	K. S.  K. S. Samrajyam
10	Smt. N.S.S.Nagadevi	N. S. S. Nagadevi
11	Smt. I.Purnima Maha Lakshmi	I. P. Mahalakshmi
12	Kmt.V.V.Lakshmi Devi	V.V.L. Devi
13	Kmt.P.Chitti Sai Lakshmi	P. Chitti Sai Lakshmi
14	B.Ajay Kumar(Student Alumni Member)	B. Ajay Kumar
15	A.Syamala (II M.C.Cs)	A. Syamala
16	B. Sai Yaswanth (II M.S.Cs)	B. S. Yashwanth
17	G.Syam Prasad (III M.P.CS)	G. Syamprasad
18	CH. Vara Lakshmi (III M.P.C -EM II)	Ch. Varalakshmi

PITHAPUR RAJAH'S GOVERNMENT COLLEGE (AUTONOMOUS), KAKINADA

DEPARTMENT OF MATHEMATICS

Meeting of the Board of studies is held at 10AM on 31-08-2023 in the Department of Mathematics, P.R.Govt. College (A), Kakinada with the following agenda.

Agenda

1. a) To approve the curriculum, blue print and model paper for 1st year B.Sc Course under CBCS based as per the directions of the APSCHE for the admitted batch 2023 -24(I & II Semesters).
b) To approve the curriculum, blue print and model paper of practical examinations for 1st year B.Sc Course under CBCS based as per the directions of the AKNU for the admitted batch 2023 -24.(II Semester).
2. a) To approve the curriculum, blue print and model paper for 2nd year B.Sc Course under CBCS based as per the directions of the APSCHE for the admitted batch 2022 -23 (III & IV Semesters)
b) To approve the curriculum, blue print and model paper of practical examinations for 1st year B.Sc Course under CBCS based as per the directions of the AKNU for the admitted batch 2022 -23.(III & IV Semester).
3. To approve the curriculum, blue print and model paper for 3rd year B.Sc Course under CBCS based as per the directions of the APSCHE for the admitted batch 2021 -22(V Semesters)
4. To approve the two Certificate Courses, one for first year mathematics stream in second semester) (Vadik Mathematics) and another one is Competitive Mathematics for non-mathematics students were introduced in this academic year.
5. To approve the two Value added courses in Sem – IV and V. One is Laplace Transformation With Applications and another one is MATLAB.
6. To approve the incorporation of additional inputs to various courses (where ever it is felt necessary) for enhancing students understanding over the concerned course and this shall not be considered for evaluation purpose.
7. To approve the Examination procedure for the courses for I, II, III years of B.Sc (2023 – 24, 2022-23& 2021-22 admitted batches).
a) Each theory subject is evaluated for 100 Marks (I, II&III Years) out of which 50 Marks through semester end examination for I, II & III year and internal assessment would be for 50 Marks for I, II& III year.
b) Each student (2023-24 AB) has to complete one MOOCS course from SWAYAM in any subject per year which is mandatory.

CIA structure for Single Major system

- Out of 50 marks for CIA, 25 marks are allocated for Mid examinations. In each semester two mid examinations to be conducted and the average of the two will be considered.
- I mid examination is to be conducted in offline mode at college level and II mid examination is to be conducted in online mode at department level.
- I mid examination to be conducted in offline mode in which **one essay** question for ten marks out of two questions, **two short** answer questions with five marks each out of four questions and five objective questions to be given for each paper.
- Question paper is to be given as per the following structure for the courses with **4 units**

S.No	Unit No	Long Answer Question(10M)	Short Answer Question(5 M)	Objective Questions(1M)
1 13 Page		1	0	1

2	II	1	0	1
3	III	0	2	1
4	IV	0	2	1+ one question from any unit with more syllabus weightage

- For I mid examination to be conducted in off line mode , question paper is to be given as per the following structure for the courses with V units.

S.No	Unit No	Long Answer Question(10M)	Short Answer Question(5 M)	Objective Questions(1M)
1	I	1	0	1
2	II	1	0	1
3	III	0	1	1
4	IV	0	1	1
5	V	0	1+ one question from any unit(III or IV or V) with more syllabus weightage	1

- The remaining 25 marks for CIA are allocated as per the following structure.

Project-10M	Viva on theory- 3M	Assignment- 5M	Seminar- 5M	Clean & green and Attendance- 2M
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- For II Semester, Out of 50 marks for CIA, 25 marks are allocated for Mid examinations. In each semester two mid examinations to be conducted and the average of the two will be considered.
- I mid examination is to be conducted in offline mode at college level and II mid examination is to be conducted in online mode at department level.
- I mid examination to be conducted in offline mode in which **one essay** question for ten marks out of two questions, **two short** answer questions with five marks each out of four questions and five objective questions with one mark each.
- The remaining 25 marks for CIA are allocated as per the following structure.

Project-10M	Viva on theory- 3M	Assignment- 5M	Seminar- 5M	Clean & green and Attendance- 2M
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CIA structure for 3 Major system

- Out of 50 marks for CIA, 25 marks are allocated for Mid examinations. In each semester two mid examinations to be conducted and the average of the two will be considered.
- I mid examination is to be conducted in offline mode at college level and II mid examination is to be conducted in online mode at department level.
- I mid examination to be conducted in offline mode in which **one essay** question for ten marks out of two questions, **two short** answer questions with five marks each out of four questions and five objective questions with one mark each.
- The remaining 25 marks for CIA are allocated as per the following structure.

Project-10M	Viva on theory- 3M	Assignment- 5M	Seminar- 5M	Clean & green and Attendance- 2M
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8. Scheme of valuation for practical's

- Record - 10 M
- Viva Voce - 10 M

- Test - 30 M
- Total - 50 M

Answer any 5 questions. At least 2 questions from each section. Each question carries 6 marks.

9. To award two extra credit to students who have registered and completed SWAYAM course successfully.
10. To award 4 credits for each first and second phase of Apprenticeship between 1st and 2nd year and 2nd and 3rd year (two summer vacations).
11. To implement pedagogical strategies to enrich teaching and learning process.
12. To approve the proposed departmental activities for 2023 – 24.
13. To approve the list of examiners and paper setters for the academic year 2023 – 24.
14. Any other item with the permission of the chair.

Resolutions taken :

The following resolutions are approved by university nominee and all the members of BOS

- It is resolved to adopt revise syllabus drawn as per APSHE syllabus for the students of B.Sc Program.
- It is resolved to establish a community outreach program for both Students and Lecturers.
- It is resolved by a suggestions BOS member that students need to understand what courses which there and where for their for the studies.
- It is resolved to start a coaching to final year students for (CUET, APPGCET and other Exams).
- After reviewing the existing titles and contents of semesters I,II,III,IV and V framed by APSHE, the board come out with the following resolutions.
- It is resolved to introduce a new course for first year Mathematics Major for the Academic year 2023 – 2024.

S.No	Course Code	Title of the new course	Programmes in which it is introduced
1	Course - I	Essentials and Applications of Mathematical, Physical and Chemical	Mathematics Major
2	Course - II	Advances in Mathematical, Physical and Chemical	

Resolution – I

It is resolved to approve the following changes of semester I,II,III,IV and V of Mathematics as it is given by APSCHE.

As a part of this, from this academic year, as per NEP-2020, the major and Minor policy system has come into effect.

According to this, in the first semester of the first year, course – I & course – II papers were given as common to each Major. Mathematics, Physics, Chemistry and Computer departments have to thought

➤ **FIRST YEAR : COURSE-I & COURSE - II**

1. Introduced a new paper Essential and Applications of Mathematical, Physical and Chemical Sciences.
2. Introduced a new paper Advances in Mathematical, Physical and Chemical Sciences.
3. Introduced an Analytical skills paper for all major courses. The pattern of the Analytical Skills paper will be changed as all are MCQ.

➤ **FIRST YEAR : SECOND SEM – MAJOR & MINOR**

A. COURSE 3: DIFFERENTIAL EQUATIONS

1. Method-IV & V in Integrating factors are deleted

B. COURSE 4: ANALYTICAL SOLID GEOMETRY

1. Cones chapter completely shifted to Unit -V.
2. Condition that a cone may have three mutually perpendicular generators; Reciprocal cones are added.
3. Intersection of a line and a quadric cone; Tangent lines and tangent plane at a point; Condition that a plane may touch a cone;; Intersection of two cones with a common vertex are deleted.

- Practical exams will be included for the students joining the academic year 2023-24.

➤ **SECOND YEAR : COURSE-III**

1. Paper-III model can be changed

Section -I

Part -A : Given 3 questions

Part – B : Given 3 Questions

Write any 3 questions, at least 1 question from each Part. Each question carries 10 marks

Section – II

Write any 4 questions, out of 7 questions. Each question carries 5 marks.

2. The pattern of the Analytical Skills paper will be changed as all are MCQ.
3. Practical exams will be included for the students joining the academic year 2022-23.

➤ **SECOND YEAR : COURSE – IV**

1. Uniform continuity topic is added in Unit-III
2. Alternating Series – Leibnitz Test, Absolute Convergence and Conditional Convergence are deleted in Unit-II.
3. Practical exams will be included for the students joining the academic year 2022-23.
4. Paper-IV model can be changed

Section -I

Part -A : Given 3 questions

Part -B : Given 3 questions

Part – B : Given 3 Questions

Write any 3 questions, at least 1 question from each Part. Each question carries 10 marks

Section – II

Write any 4 questions, out of 7 questions. Each question carries 5 marks.

Total 50 marks

➤ **SECOND YEAR : COURSE – V**

1. Rank of Matrices topic is added in Unit-IV.
2. Practical exams will be included for the students joining the academic year 2022-23.
3. Paper-V model can be changed

Section -I

Part -A : Given 3 questions

Part – B : Given 3 Questions

Write any 3 questions, at least 1 question from each Part. Each question carries 10 marks

Section – II

Write any 4 questions, out of 7 questions. Each question carries 5 marks.

Total 50 marks.

➤ **THIRD YEAR : COURSE – VI A**

1. Paper-VI A model can be changed

Section -I

Part -A : Given 3 questions

Part – B : Given 3 Questions

Write any 3 questions, at least 1 question from each Part. Each question carries 10 marks

Section – II

Write any 4 questions, out of 7 questions. Each question carries 5 marks.

Total 50 marks.

➤ **THIRD YEAR : COURSE – VII A**

1. Paper-VI A model can be changed

Section -I

Part -A : Given 3 questions

Part – B : Given 3 Questions

Write any 3 questions, at least 1 question from each Part. Each question carries 10 marks

Section – II

Write any 4 questions, out of 7 questions. Each question carries 5 marks.

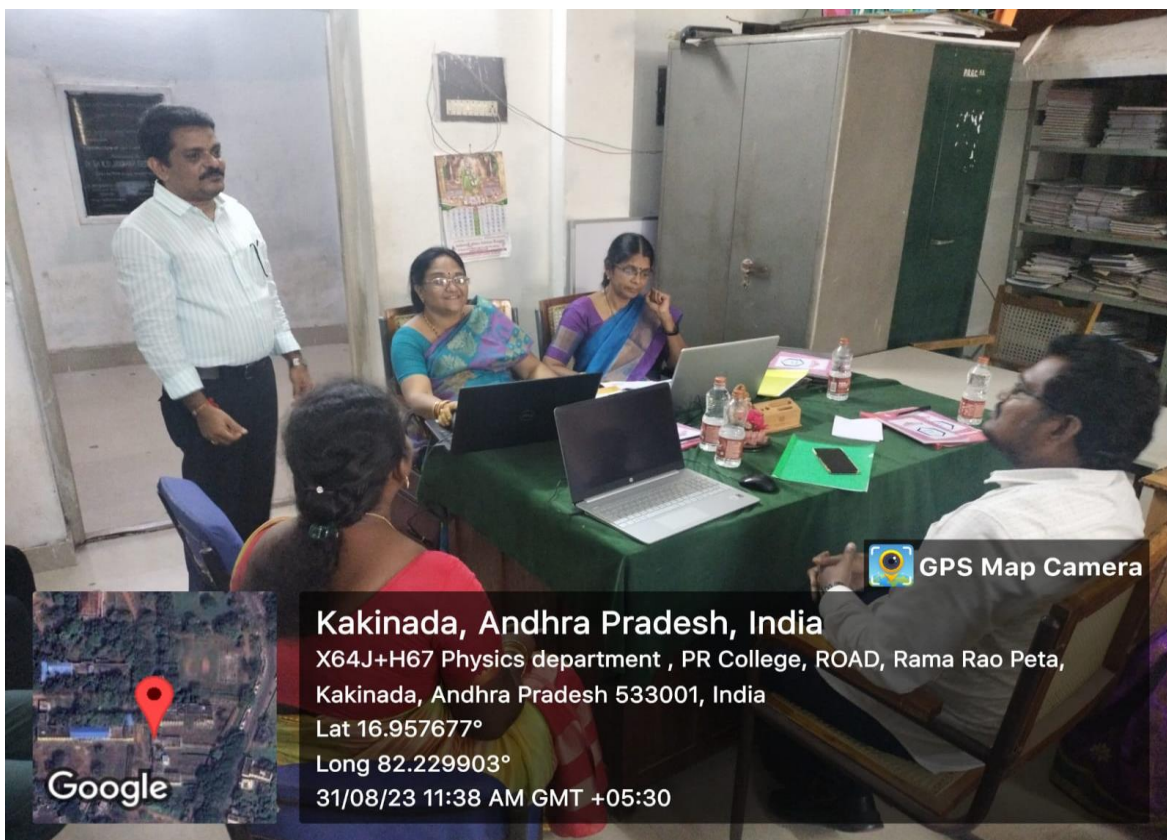
Total 50 marks.

Resolution of II

1. It is resolved to approved the incorporation of additional inputs to various courses (where ever it is felt necessary) for enhancing students understanding over the concerned course and this shall not be considered for evaluation purpose.
2. Resolved to adopt Community Service Project for all the students at the end of Sem –II.
3. Resolved to send all the final year Mathematics students for on job training apprenticeship in connection with industries for off-site Project in the end of Sem V/VI with the industries in accordance with their interest of study.
4. It is resolved to approve the proposed departmental activities for 2023-24.
5. It is resolved to approve the list of examiners and paper setters for the academic year 2023-24.
6. Streamlining of regularity in attendance. Resolved to make the eligibility to appear for 1st mid is 75% of attendance for the 2nd mid it would be 75% , for 75% of attendance for semester examination and 90% for practical examinations .Also it is resolved that the student should attend at least one internal exam to appear for the Semester end examination.
7. To approve the Analytical Skills paper (Foundation Course) should be taught to all the groups of the second year , following the directions of Adikavi Nannayya University.
8. Resolved to give extra credits for MOOCS courses, N.S.S., N.C.C., winners of zonal level sports and games competitions, participation in state level/ National level competitions, blood donations camps, environmental programs like extending services in facing the natural calamities etc.
9. Resolved to Engaging of 7th hour of time table.
10. Resolved to conduct International / National , Webinar / Seminar like Data Science , Artificial Intelligence, etc.,
11. Resolved to introduce new courses of study whenever necessary.
12. Resolved to follow the admission criteria for the programmes offered by the department.
13. Resolved to conduct extension lectures by the eminent persons.

Action Taken Report

The appropriate action taken by the department of Mathematics as per the suggestions given by the members of Board of Studies and other administrators in the meeting held on 31st AUG 2023.







Thank You!