



PRAGATI ENGINEERING COLLEGE

(Autonomous)

ADB Road, Surampalem, E.G.Dt., A.P. – 533 437

(Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada. Accredited by NAAC with 'A' Grade)

(Recognized by UGC Under Sections 2(f) and 12 (B) of UGC act. 1956)

Ph: 08852 – 252233, 34. Website: www.pragati.ac.in

INTERNAL QUALITY ASSURANCE CELL (IQAC)

Date: 24-03-2022

Circular

A meeting is convened with the members of IQAC Committee at 02:00 PM on 26-03-2022 at IQAC Conference Hall to discuss the following agenda. All the IQAC members are requested to attend the meeting to discuss various activities.

Agenda:

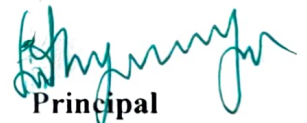
1. Review on action taken on minutes of previous committee meeting
2. Review of NAAC Work
3. Review of Syllabus Coverage
4. Review of result Analysis
5. Review of Department activities
6. Strengthening of Industry Institute Interaction through MoUs
7. Review on research Activities
8. action plan for 2022-23 activities
9. Any other item

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Copy to:

1. Circulate among IQAC Members
2. IQAC File
3. Principal office File.




Principal



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INTERNAL QUALITY ASSURANCE CELL (IQAC)

Minutes of IQAC – Meeting No .39 dated on 26th March 2022

IQAC meeting is held through online dated on 26th March 2022 at 2:00 P.M under chairmanship of Dr.K.Satyanarayana, Principal, Pragati Engineering College, to discuss following agenda and to adopt resolutions.

Dr. A Radha Krishna, Assoc. Prof. of CSE, On behalf of IQAC, he extended a warm welcome to all the members for the 39th Meeting of IQAC.

Dr. A Radha Krishna outlined some of the highlights during the period from last meeting till date

- i. College applied for renewal of Autonomous status to UGC and the visit is due.
- ii. Five Departments of the College namely CSE, ECE, EEE, ME and Chemistry are recognized as Research Centres by JNTUK, Kakinada, for the academic years 2021-22 and 2022-23.
- iii. A total of 1621 placements were secured by 2022 graduating batch of students. This is the highest no of placements secured by any batch in Pragati Engineering College, till date.
- iv. The college collaborated with the following organisations for the betterment of student community.
 - i) Infosys (Springboard)
 - ii) TCS- MBU (Microsoft Business Unit)
 - iii) Qlik (Data Analytics)
 - iv) Alteryx (Data Analytics)
 - v) Github Academic Alliance
 - vi) Salesforce
- v. Following Centres of Excellence (CoE) were established under MoU with respective companies. As part of the CoE, students will be trained in the latest technologies and recruited by these companies.
 - i) EPAM
 - ii) CSS Corp
- vi. Research/Consultancy works to the tune of One Crore Eighty Nine Lakhs is currently in progress.

- vii. College is ranked at 9th position (in the country) in the AICTE- EduSkills Virtual Internship (2nd Cohort- March to May 2022).
- viii. Seven teams (6 teams from ECE and 1 team from CSE) from the college are shortlisted for the finals of Smart India Hackathon-2022.
- ix. **Dr. G Avinash, Associate Professor of Mechanical Engineering department** was awarded Ph.D. degree in the department of Mechanical Engineering, from JNTUK, Kakinada, under the supervision of **Dr. S Sambhu Prasad, Professor of Mechanical Engineering Department and Director, Pragati Engineering College** and **Dr. D Lingaraju, Assistant Professor of ME, UCEK, JNTUK, Kakinada** in April 2022. The title of the thesis is **“Fabrication of AI 4032 Composites with Silicon Reinforcements for Study of Mechanical, Corrosive and Tribological Behaviour”**.
- x. **Dr. J.D.Naidu**, Associate Professor of Basic Sciences & Humanities (English) was awarded Ph.D. Degree in the department of English from Andhra University, Visakhapatnam, under the guidance of **Prof. P. Rajendra Karmarkar, Andhra University, Visakhapatnam**, in the month of December, 2021. The title of the thesis is **"The Theme of Family Ties in the Select Novels of Pearl S. Buck and Eudora Welty- A Select Study"**.
- xi. **Dr. Prasad S**, Associate Professor of Basic Sciences & Humanities (English) was awarded Ph.D. Degree in the department of English & Communications, from Dravidian University, Kuppam under the supervision of **Prof. Ch. A. Rajendra Prasad, Professor of English, Department of English and Communications, Dravidian University, Kuppam, AP** in December 2021. The title of the thesis is **“Teaching writing Skills through creating awareness of Genre-Specific Features of English Language in Essays: An Evaluation of the Prescribed English Text Books of JNTU-K(2013-2016)”**.
- xii. Mr. Vamsi Kiran Somayajula, Training and Placement Officer is invited as a member of
 - i) CII Southern Region Sub-Committee on Education, Skills & HR for 2022-23.
 - ii) Education and Skills Panel of Confederation of Indian Industry (CII), A.P. for 2022-23.
- xiii. Mr. V Praveen (EEE- 16A35A0209) has received two gold medals in VIII Convocation of JNTUK, Kakinada on 9th March 2022.
 - i) List of toppers from affiliated colleges of JNTUK Kakinada.
 - ii) Overall topper in all branches.
- xiv. Mr. Y Manas Kumar, Assistant Professor, Department of CSE, received NPTEL Discipline Star for Jan-Apr 2022.

- xv. Ms. N. Gayatri Sowjanya (IT- 18A31A1219) participated in the largest Kuchipudi Dance consisting of 1183 participants and recognized by Guinness book of World Records.
- xvi. Ms. N. Gayatri Sowjanya (IT- 18A31A1219) participated in International Carnatic Musicians Dancers Association (ICMDA), Chennai season 2 online competitions and won International level 1st Prize (Gold) in open category.
- xvii. Mr. K S J Sivarama Krishna (CSE- 18A31A05A7) received Gold Medal at India Skills-2021 in Cyber Security Trade organized by National Skill Development Corporation(NSDC).
- xviii. Mr. S Datta Sai Vinay (CSE- 18A31A0552) secured All India GATE Rank 1321 in CSE.

1. Item No 1: Review on action taken on minutes of previous committee meeting

Suggestion in previous IQAC Meeting	Action Taken
Discussion on Submission on AQAR	Collected the Data for Academic Year 2020-21 and Proof documents are verified at criteria Level by IQAC Co-coordinator Mr.V.Prasanth
Discussion on Updation on Institution Website	Due to new Change in Website server lot of documents are updated to new website. Mr.G.Satyamohan choudhary is assigned to identify gaps and instruct the department fill the data as per the format prescribed by IQAC
ERP implementation and execution	ERP is successfully implemented in admissions, Examinations and Academics and college administration is agreed to upgrade to better version to make paperless college in execution of college and department level activities
Roles and Responsibilities of Mentors	Changes are made in mentor and Mentee systems and shared with HODs and requested to implement from 1 st April 2022 onwards
NIRF Ranking 2022	Efforts are made to get good NRIF ranking, R&D Committee is requested to convene a meeting with HODs, Doctorates and Ph.D pursuing Candidates to involve more in research.

2. Item No 2: Review of NAAC Work

NAAC work Status is presented by NAAC Coordinator Mr.V.Prasanth for members to review

Criteria Wise Summary

CRITERION I - CURRICULAR ASPECTS	
1.1 - Curriculum Design and Development	Good
1.2 - Academic Flexibility	Good

1.3 - Curriculum Enrichment	Average (Add on courses to be improved)
1.4 - Feedback System	Average (proper Documentation is not made)
CRITERION II - TEACHING-LEARNING AND EVALUATION	
2.1 - Student Enrollment and Profile	Very Good
2.2 - Catering to Student Diversity	Very Good
2.3 - Teaching- Learning Process	Good
2.4 - Teacher Profile and Quality	Good
2.5 - Evaluation Process and Reforms	Good
2.6 - Student Performance and Learning Outcomes	Good
2.7 - Student Satisfaction Survey	Good
CRITERION III - RESEARCH, INNOVATIONS AND EXTENSION	
3.1 - Promotion of Research and Facilities	Average (Internal funding and Quality measure are not initiated)
3.2 - Resource Mobilization for Research	Average (Adequate funding is not generated)
3.3 - Innovation Ecosystem	Good
3.4 - Research Publications and Awards	Good
3.5 - Consultancy	Poor
3.6 - Extension Activities	Very Good
3.7 - Collaboration	Poor (MoUs with other institutes and Industries are not available)
CRITERION IV - INFRASTRUCTURE AND LEARNING RESOURCES	
4.1 - Physical Facilities	Very Good
4.2 - Library as a Learning Resource	Average (No Access to IEEE, ACM digital library, e-books etc)
4.3 - IT Infrastructure	Good
4.4 - Maintenance of Campus Infrastructure	Good
CRITERION V - STUDENT SUPPORT AND PROGRESSION	
5.1 - Student Support	Very Good
5.2 - Student Progression	Average (poor performance in competitive exams for higher education's and data maintenance
5.3 - Student Participation and Activities	Very Good
5.4 - Alumni Engagement	Poor

CRITERION VI - GOVERNANCE, LEADERSHIP AND MANAGEMENT	
6.1 - Institutional Vision and Leadership	Very Good
6.2 - Strategy Development and Deployment	Good
6.3 - Faculty Empowerment Strategies	Good
6.4 - Financial Management and Resource Mobilization	Average
6.5 - Internal Quality Assurance System	Good
CRITERION VII - INSTITUTIONAL VALUES AND BEST PRACTICES	
7.1 - Institutional Values and Social Responsibilities	Good
7.2 - Best Practices	Good
7.3 - Institutional Distinctiveness	Good

3. Item No 3 : Review of Syllabus Coverage

Dr.G.Satish, Associate Professor of ME & Academic Coordinator Submitted the syllabus coverage of all departments for review and Dr.K.Satyanarayana advised the HODs to allot 2 more periods who are lagging behind the syllabus.

Department wise List of Faculty who are lagging behind the syllabus is to be prepared and mailed to all HODs. Dr.G.Satish is requested to Coordinate the work

4. Item No 4 : Review of result Analysis

Dr.Y.Jayababu Presented the Student results for members to review

a) B.Tech I Year II Semester Regular Examinations (R20) Results Analysis – September -2021

Branch	I year II semester (2020 Adm. Batch)			
	Appeared all subjects	Passed	Failed	Pass %
Civil Engineering	103	44	59	42.72
Electrical and Electronics Engineering	97	45	52	46.39
Mechanical Engineering	98	41	57	41.84
Electronics and Communications Engineering	310	151	159	48.71
Computer Science and Engineering	190	134	56	70.53
Information Technology	64	31	33	48.44
Computer Science And Engineering (Artificial Intelligence & Machine Learning)	64	41	23	64.06
Computer Science And Engineering (Data Science)	63	36	27	57.14
Total	989	523	466	52.88

b) M.Tech – II Semester Regular Examinations Results Analysis – October -2021

Branch	M.Tech II semester (2020 Adm. Batch)			
	Appeared all subjects	Passed	Failed	Pass %
M.Tech (CSE)	03	01	02	33.33
M. Tech(ES)	03	03	00	100.00
M. Tech(VLSI SD)	03	02	01	66.67
M.Tech (PE&ED)	01	01	00	100.00
M.Tech(CAD/CAM)	08	07	01	87.50
Total Pass	18	14	04	77.78

c) B.Tech IV Year I Semester Regular Examinations (R16) Results Analysis –Jan -2022

Branch	IV year I semester (2018 Adm. Batch)			
	Appeared all subjects	Passed	Failed	Pass %
Civil Engineering	120	89	31	74.17
Electrical and Electronics Engineering	128	108	20	84.38
Mechanical Engineering	253	172	81	67.98
Electronics and Communications Engineering	322	265	57	82.3
Computer Science and Engineering	195	171	24	87.69
Information Technology	54	46	08	85.19
Total	1072	851	221	79.38

d) B.Tech III Year I Semester Regular Examinations(R19) Results Analysis –Feb -2022

Branch	III year I semester (2019 Adm. Batch)			
	Appeared all subjects	Passed	Failed	Pass %
Civil Engineering	118	92	26	77.97
Electrical and Electronics Engineering	135	93	42	68.89
Mechanical Engineering	232	114	118	49.14
Electronics and Communications Engineering	345	242	103	70.14
Computer Science and Engineering	206	180	26	87.38
Information Technology	64	51	13	79.69
Total	1100	772	328	70.18

e) III B.Tech I Semester Regular (R16) (Re admitted) - February -2022

S.No.	Branch	Name of the Examination	No.of Students Appeared	No.of Students Passed	Pass %
1	Civil Engineering	III B.Tech I Semester Regular (R16) (Re admitted) - February -2022	01	00	0.00

f) B.Tech II Year I Semester Regular Examinations(R20) Results Analysis –Feb -2022

Branch	II year I semester (2020 Adm. Batch)			
	Appeared all subjects	Pas sed	Fail ed	Pass %
Civil Engineering	124	68	56	54.84
Electrical and Electronics Engineering	120	67	53	55.83
Mechanical Engineering	127	71	56	55.91
Electronics and Communications Engineering	347	187	160	53.89
Computer Science and Engineering	208	155	53	74.52
Information Technology	70	43	27	61.43
Computer Science And Engineering (Artificial Intelligence & Machine Learning)	70	54	16	77.14
Computer Science And Engineering (Data Science)	69	49	20	71.01
Total	1135	694	441	61.15

g) II B.Tech I Semester Regular (R19) (Re admitted) - February -2022

S.No.	Branch	Name of the Examination	No.of Students Appeared	No.of Students Passed	Pass %
1	Electrical and Electronics Engineering	II B.Tech I Semester Regular (R19) (Re admitted) - February -2022	01	00	0.00

h) B.Tech I Year I Semester Regular Examinations(R20) Results Analysis – March -2022

Branch	I year I semester (2021 Adm. Batch)			
	Appeared all subjects	Pas sed	Fail ed	Pass %
Civil Engineering	47	23	24	48.94
Electrical and Electronics Engineering	100	52	48	52.00
Mechanical Engineering	93	33	60	35.48

Electronics and Communications Engineering	330	216	114	65.45
Computer Science and Engineering	194	167	27	86.08
Information Technology	64	53	11	82.81
Computer Science And Engineering (Artificial Intelligence & Machine Learning)	132	106	26	80.3
Computer Science And Engineering (Artificial Intelligence)	66	52	14	78.79
Computer Science And Engineering (Data Science)	66	58	8	87.88
Total	1092	760	332	69.6

i) M.Tech –III Semester Regular Examinations Results Analysis – March -2022

Branch	M.Tech III semester (2020 Adm. Batch)			
	Appeared all subjects	Passed	Failed	Pass %
M.Tech (CSE)	04	04	00	100.00
M. Tech(ES)	03	03	00	100.00
M. Tech(VLSI SD)	03	03	00	100.00
M.Tech (PE&ED)	01	01	00	100.00
M.Tech(CAD/CAM)	08	08	00	100.00
Total Pass	19	19	00	100.00

5. Item No: Review of Department activities

Student Activities

Participation in Award Winning Events		
S. No.	Event	Total
1	Paper Publications	569
2	Poster Presentation	422
3	Poster Making Contest	6
4	Project display	140
5	Workshops	86
6	Internships	1
7	Model Presentation	2
8	PPT	50
9	Innovative Design Ideas	20
10	Projects	44
11	Online Quiz	2250
12	Tricky loops	10
13	Online courses	7
14	External event (Taekwondo)	1
15	Sports	49
16	STRIDES	287
17	EPR0ZYNE STRIDES 2K21	79
18	International Mother Language Day	131
19	Essay Writing	1122

20	Contraptions	8
21	Student Chapter Inauguration	105
22	Build the circuit	117
23	Coding and debugging	1133
24	Technical JAM	16
25	NSS	23
26	Elocution	185
27	Seminar	196
28	App expo	110
29	Coding challenge	870
TOTAL		8039
Awards won		338

Participation Events

No. of Participations		
S. No.	Event	Total
1	Workshop	395
2	Conferences	2
3	Guest Lectures	309
4	Webinars	324
5	Smart India Hackathon	317
6	Rangoli	53
7	Kite	31
8	Prag Soft Events-coding	2297
9	Technical Quiz	941
10	Certification Course / NPTEL	459
11	Youth Entrepreneurs	8
12	International Mathematics Day	84
13	Projects	198
14	Wipro projects	2
15	IIC " How to Plan Start-Up and Legal & Ethical Steps	39
16	Lead India	1060
17	Start up competition for university & colleges of AP by Quality Assurance cell of APSCH	4
18	AYUSH start up challenge/AICTE/START UP INDIA	1
19	Research paper presentations	2
20	Internship	241
21	Industrial Visit	136
22	Attended to CM's meeting on 21-04-2022	20
TOTAL		6923

Faculty Activities

S. No	Event	Total
1	Workshops	12
2	Paper Publications	37
3	FDPs Attended	33
4	Seminar	1
5	Conferences Attended	10
6	NPTEL Certifications	15
7	Online Certifications	1
8	Webinars	13

9	Patents	3
10	Book Chapter Publications	8
11	Guest Lectures delivered	1
12	Faculty Trained by Industry	4
13	Articles Reviewed	1
14	Technical Chair Person	1
15	Ph.D. Awarded	3
16	APRCET Qualified	4
TOTAL		147

6. Item no 6: Strengthening of Industry Institute Interaction through MoUs

To strengthen **Industry Institute Interaction** the college administration appointed **Dr.K.Chakrapani** as coordinator for visiting various industries in and around East Godavari to build a good relationship to know the possibilities of collaboration with their reputed industries. He is requested to submit a report on or before 02/07/2022

7. Item no 7 : Review on research Activities

i) Research Papers Published :

The following publications were made by faculty of the following departments in SCOPUS / SCI / UGC recognized journals.

Dept	SCI Expanded Journals	SCOPUS Indexed Journals	UGC Approved	Others / Communicated and Under Review	Total
EEE	--	--	--	01	01
ME	--	--	56	01	57
ECE	--	02	--	--	02
CSE	--	01	70	--	71
IT	01	01	16	--	18
BS&H	--	02	--	--	02
Total	01	06	142	02	151

ii) Patents filed / published :

S.No	Dept	Name of Faculty	Title/name of Project	Published/ Filing details	Date & Reference No
1	EEE	Dr.G.Naresh	Organic Cake Based Herbal Mosquito Repellent Composition and Preparation Method Thereof	Published	26/11/2021 Application No. 202141051384
2	EEE	Dr.G.Naresh	Vehicle to Grid (V2G) for EV Charging energy Management system	Published	26/11/2021 Application No. 202141051391

iii) **a) Ph.D guidance by internal faculty :**

- i) **Dr. P. Vijay Varma** has been awarded Ph. D in Chemistry by JNTUK, Kakinada in April-2022 under the Research Guidance of Dr. P.V.S.Machiraju (Research Supervisor), Professor of Chemistry, Pragati Engineering College. The title of the thesis is "Synthesis and Characterization of Some Novel Heterocyclics (Isoxazoles and Pyrazoles) and Their Biological Evaluation for Assessment of Medicinal Potentials".

b) Ph.D Awarded / thesis Completed by faculty :

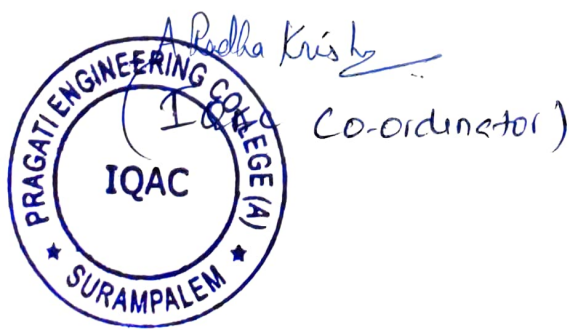
- i. **Dr. G Avinash**, Associate Professor of Mechanical Engineering department was awarded Ph.D. degree in the department of Mechanical Engineering, from JNTU, Kakinada, under the supervision of Dr. S Sambhu Prasad, Professor of Mechanical Engineering Department and Director, Pragati Engineering College and Dr. D Lingaraju, Assistant Professor of ME, UCEK, JNTUK, Kakinada in April 2022. The title of the thesis is "Fabrication of Al 4032 Composites with Silicon Reinforcements for Study of Mechanical, Corrosive and Tribological Behaviour".
- ii. **Dr.J.D.Naidu**, Associate Professor of Basic Sciences & Humanities (English) was awarded Ph.D Degree in the department of English from Andhra University, Visakapatnam, under the guidance of Prof. P. Rajendra Karmarkar, Andhra University, Visakapatnam, in the month of December, 2021. The title of the thesis is " The Theme of Family Ties in the Select Novels of Pearl S. Buck and Eudora Welty- A Select Study ".
- iii. **Dr. Prasad Seemusuru**, Associate Professor of Basic Sciences & Humanities (English) was awarded Ph.D. Degree in the department of English & Communications, from Dravidian University, Kuppam under the supervision of Prof. Ch. A. Rajendra Prasad, Professor of English, Department of English and Communications, Dravidian University, Kuppam, AP in December 2021. The title of the thesis is "Teaching writing Skills through creating awareness of Genre-Specific Features of English Language in Essays: An Evaluation of the Prescribed English Text Books of JNTU-K(2013-2016)
- c) Ph.D Admission:**
- i) **Mrs. D.V.V. Durgaveni**, JRF of BRNS Project got selection in Ph.D. programme in GITAM University, Hyderabad Campus.
- ii) **Mrs. T Tejasvi**, Assistant Professor, CSE Department got selection in Ph.D. programme in GITAM University, Visakhapatnam Campus.
- iii) **Mr. A Yeswanth**, Assistant Professor, ME Department got selection in Ph.D. programme in JNTUK, Kakinada.


iv. Book Chapters Published by the Faculty from various Departments- 07 Nos.

1. Mr. Y Manas Kumar "Research Challenges in Crypto currency Transaction Networks", Publisher: The Bhopal School of Social Sciences · 8th Nov 2021, A Book Chapter in the Edited Book titled "Crypto currency: A Bright Future or a Fad ".ISBN:978-93-91410-11-7.
2. Mr. Y Manas Kumar "NOVEL METHOD FOR PRIVATE DATA RELEASE IN CYBER-PHYSICAL SYSTEMSNOVEL METHOD FOR PRIVATE DATA RELEASE IN CYBER-PHYSICAL SYSTEMS", Advances in Computer Science and Information Technology (ISBN: 978-93-91768-28-7), Feb 1, 2022.
3. Mr. Y Manas Kumar "Beyond the Pandemic: Survival of the Human Race and Challenges", Book Title: Handbook of Research on Lifestyle Sustainability and Management Solutions Using AI, Big Data Analytics, and Visualization Copyright: © 2022, IGI Global Publishers, DOI: 10.4018/978-1-7998-8786-7.ch017.
4. Mr. Y Manas Kumar "Privacy Preserving Mechanism by Application of Constrained Nonlinear Optimization Methods in Cyber-Physical System", Wiley Publications, Published on 27-3-2022. DOI-<https://doi.org/10.1002/9781119812555.ch7>.
5. Mr. Y Manas Kumar "Application of Exact Barrier-Penalty Function for Developing Privacy Mechanisms in Cyber-Physical Systems", Published on Apr 20, 2022, Publishers-Chapman and Hall/CRC, eBook ISBN: 9781003206088. DOI-<https://doi.org/10.1201/9781003206088>.
6. Dr. M Radhika Mani" An Integrated Approach for medical Image Classification using Potential Shape Signature and Neural Network" Advanced Technologies and Societal change, February 2022.
7. Dr. V.Sailaja, Dr. P.Sunitha, Dr. A.Srinivas, Mr. G.S.Sivakumar, Mr. M Ravi Kumar "Transformation and Future Directions of Integrated Chip (IC) Manufacturing Industry using Artificial Intelligence Models", ISBN13: 9781668442463(Submited)

8. Item no 8 : action plan for 2022-23 activities

HODs are requested to prepare a action plan for Academic Year 2022-23 to conduct events for both Faculty and students and submit on or before 22/05/2022




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INTERNAL QUALITY ASSURANCE CELL (IQAC)

Date: 13-12-2021

Circular

A meeting is convened with the members of IQAC Committee at 02:00 PM on 18-12-2021 at IQAC Conference Hall to discuss the following agenda. All the IQAC members are requested to attend the meeting to discuss various activities.

Agenda:

1. Review on action taken on minutes of previous committee meeting
2. Discussion on Submission of AQAR
3. Discussion on Updation of Institute Website
4. ERP implementation and execution
5. Roles and responsibilities of Mentors
6. NIRF Ranking 2022
7. Any other item

Principal

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INTERNAL QUALITY ASSURANCE CELL (IQAC)

Minutes of IQAC – Meeting No .38 dated on 18th December 2021

IQAC meeting is held through online dated on 18th December 2021 at 2:00 P.M under chairmanship of Dr.S.Sambu Prasad, Principal, Pragati Engineering College, to discuss following agenda and to adopt resolutions.

Dr. A Radha Krishna, Assoc. Prof. of CSE, IQAC Coordinator welcomed all the members initiated the Proceedings

1. Item No 1: Review on action taken on minutes of previous committee meeting

Suggestion in previous IQAC Meeting	Action Taken
Preparation of Academic Calendars for 2021-22 Academic Year:	Completed and Circulated among students and Faculty
Discussion of NAAC Accreditation Extension	Assigned responsible individuals for the completion of pending NAAC accreditation requirements.
Reviewing Quality Policies:	Different policies are reviewed and submitted to Governing Body for approval
Discussion CO-PO Tool for R19 and R20 Regulations	Formulated a plan for implementing the CO-PO assessment tool, including training sessions for faculty.
Discussion on MoUs with Industry/Academia	Designated focal points for pursuing potential MoUs with industry and academia.
Discussion on Autonomous Status Extension	Initiated steps towards applying for an extension of autonomous status, A team of 4 members is constituted to complete the process
Discussion on Result Analysis	Initiated a detailed data-driven analysis of student performance, focusing on identifying specific subject areas and assessment methods that require targeted interventions for improvement

2. Item No 2: Discussion on Submission of AQAR

Dr.A.Radhakrishna, IQAC coordinator provided detailed format of NEW AQAR for Academic Year 202-21 through online. Committee discussed on the submission of the Annual Quality Assurance Report (AQAR), addressing timelines, data collection, and the alignment of AQAR with the institution's overall quality enhancement strategies.

3. Item No 3 : Discussion on Updation of Institute Website

Mr.T.Somasekhar, Associate Professor of CSE and Website In charge provided detailed explanation on the updation of the institute's website, addressing design, content, navigation, and functionality improvements to ensure accurate and engaging representation of academic programs, achievements, and relevant information for various stakeholders.

4. Item No 4 : ERP implementation and execution

The committee discussed the progress and challenges of ERP implementation and execution, emphasizing the need for streamlined communication and training to ensure a successful integration of the system across all departments.

5. Item No: Roles and responsibilities of Mentors

The committee discussed and finalized the roles and responsibilities of mentors, emphasizing their guidance in academic and personal matters to foster holistic student development, effective communication, and regular progress monitoring.

Chairman appraised members a draft will be prepared and will be circulated for Head of the Department opinions.

6. Item no 6: NIRF Ranking 2022

"In the meeting, it was agreed to establish a dedicated team responsible for collecting and compiling relevant data to facilitate the institution's submission for NIRF Ranking 2022, ensuring accuracy and completeness. Dr.G.Satish, Associate Professor is nominated to complete the task

7. Item no 7 : Any other Item

A.Radha Krishna

(IQAC Co-ordinator)


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PRAGATI ENGINEERING COLLEGE

(Autonomous)

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INTERNAL QUALITY ASSURANCE CELL (IQAC)

Date: 25-08-2021

Circular

A meeting is convened with the members of IQAC Committee at 02:30 PM on 28-08-2021 through online (TEAMS App) to discuss the following agenda. All the committee members are requested to make it convenient to attend the meeting and also requested all the HoDs to attend the meeting.

Link will be shared one hour before the meeting.

Agenda:

1. Review on action taken on minutes of previous committee meeting
2. Preparation of Academic Calendars for 2021-22 A.Y
3. Discussion of NAAC Accreditation Extension.
4. Reviewing Quality Policies
5. Discussion CO-PO tool for R19 and R20 regulations.
6. Discussion on MoUs with Industry/Academia
7. Discussion on Autonomous Status Extension
8. Discussion on Result Analysis
9. Review of Student and Staff Activities
10. Review of research Activities.
11. Any other item


Principal

Copy to:

1. Circulate among IQAC Members
2. IQAC File
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INTERNAL QUALITY ASSURANCE CELL (IQAC)

Minutes of IQAC – Meeting No. 37 dated on 28th August 2021

IQAC meeting is held through online dated on 28th August 2021 at 2:30 P.M under chairmanship of Dr.S.Sambu Prasad, Principal, Pragati Engineering College, to discuss following agenda and to adopt resolutions.

Dr. A Radha Krishna, Assoc. Prof. of CSE, IQAC Coordinator welcomed all the members initiated the Proceedings

1. Item No 1: Review on action taken on minutes of previous committee meeting

Suggestion in previous IQAC Meeting	Action Taken
Review of AQAR 2020-21	Data has been collected for AQAR 2020-21 from all departments and submitted to IQAC coordinator for verification
IQAC Year Plan for Academic Year 2021-22	Approved
Events organized During Pandemic Time.	Industry 4.0 Students Club have taken initiative to conduct online Coding competitions on advanced technologies like Python, IoT, AI and Machine Learning
Student Induction Program for Fresher's	Taking Covid SOP into consideration a detailed timetable is prepared for Induction program for 2021 admitted Batch
NPTEL registrations	A total of 723 NPTEL registrations were completed for July –November 2021
Modification were to made to the strategic plan as per NEW NEP policy	Suggestion were invited from all College Academic Committee members on Strategic Plan as per NEP 2020
Student satisfactory survey	Not at Conducted
NCC and NSS activities on Covid	9 activities are conducted to create awareness on Covid and NCC volunteers played key roles in creating environment for safety measures for the students

2. Item No 2: Preparation of Academic Calendars for 2021-22 A.Y

Dr.Y.Jayababu, Controller Examinations is requested to prepare Academic Calendar for 2021-22 Academic Year for I, II, III and IV years respectively

3. Item No 3 : Discussion on NAAC Accreditation Extension.

IQAC Coordinator briefed and finalized the plan of action for the extension of the NAAC accreditation of our institution. The previous accreditation was awarded in [2015], and it will expire on 31st December 2021

4. Item No 4 : Reviewing Quality Policies

The Chairperson presented the existing quality policies, which were reviewed and discussed by the attendees. The policies were found to be comprehensive and well-drafted. The attendees suggested some minor revisions to make the policies more relevant and up-to-date. The Updated Policies were submitted to Governing Body for their approval.

5. Item No: 5 Discussion CO-PO tool for R19 and R20 regulations.

It was suggested that the CO-PO tool should be customized to meet the specific requirements of R19 and R20 regulations. The attendees agreed that the tool should be able to track the attainment of the program outcomes as defined by the regulations. Mr.P.Krishna Chaitanya, Assistance Professor of ECE is advised to modify the tool as per the discussions

6. Item no 6: Discussion on MoUs with Industry/Academia

Chairperson explained the need for MoUs between Industry and Academia, and all attendees agreed that it is essential to have collaboration between the two sectors for mutual benefit. The terms and conditions of the MoUs were discussed, including the duration of the MoUs, intellectual property rights, confidentiality agreements, funding arrangements, and the responsibilities of both parties.

7. Item no 7 : Discussion on Autonomous Status Extension

Chairperson stated that the current autonomous status of the organization is expired on 26-07-2021. The organization has fulfilled all the requirements for the extension of its autonomous status. The application is in pipeline and will be submitted in due time

8. Item no 8: Discussion on Result Analysis

B.Tech III Year I Semester Regular Examinations Results Analysis –March -2021

Branch	III year I semester (2018 Adm. Batch)			
	Appeared all subjects	Passed	Failed	Pass %
Civil Engineering	122	83	39	68.03
Electrical and Electronics Engineering	128	76	52	59.38

Mechanical Engineering	258	126	132	48.84
Electronics and Communications Engineering	322	199	123	61.80
Computer Science and Engineering	196	132	64	67.35
Information Technology	54	41	13	75.93
TOTAL	1080	657	423	60.83

B.Tech II Year –I Semester Regular (R19) Examinations Results Analysis –March -2021

Branch	II year I semester (2019 Adm. Batch)			
	Appeared all subjects	Passed	Failed	Pass %
Civil Engineering	118	67	51	56.78
Electrical and Electronics Engineering	137	59	78	43.07
Mechanical Engineering	241	72	169	29.88
Electronics and Communications Engineering	348	192	156	55.17
Computer Science and Engineering	210	176	34	83.81
Information Technology	65	41	24	63.08
TOTAL	1119	607	512	54.24

M.Tech –III Semester Regular Examinations Results Analysis –March -2021

Branch	M.Tech III semester (2019 Adm. Batch)			
	Appeared all subjects	Passed	Failed	Pass %
M.Tech (CSE)	5	5	0	100.00
M. Tech(ES)	3	3	0	100.00
M. Tech(VLSI SD)	4	4	0	100.00
M.Tech (PE&ED)	1	1	0	100.00
M.Tech(CAD/CAM)	10	10	0	100.00
TOTAL	23	23	0	100.00

B.Tech IV Year II Semester Regular Examinations(R16) Results Analysis –July-2021

Branch	IV year II semester (2017 Adm. Batch)			
	Appeared all subjects	Passed	Failed	Pass %
Civil Engineering	123	93	30	75.61
Electrical and Electronics Engineering	139	111	28	79.86
Mechanical Engineering	276	241	35	87.32
Electronics and Communications Engineering	341	325	16	95.31
Computer Science and Engineering	193	180	13	93.26
Information Technology	56	51	5	91.07
Total	1128	1001	127	88.74

B.Tech I Year –I Semester Regular (R20) Examinations Results Analysis –July -2021

Branch	I year I semester (2020 Adm. Batch)			
	Appeared all subjects	Passed	Failed	Pass %
Civil Engineering	104	48	56	46.15
Electrical and Electronics Engineering	98	42	56	42.86
Mechanical Engineering	99	34	65	34.34
Electronics and Communications Engineering	312	226	86	72.44
Computer Science and Engineering	188	151	37	80.32
Information Technology	64	40	24	62.50
Computer Science And Engineering (Artificial Intelligence & Machine Learning)	63	54	9	85.71
Computer Science And Engineering (Data Science)	63	49	14	77.78
TOTAL	991	644	347	64.98

M.Tech –I Semester Regular Examinations Results Analysis –July -2021

Branch	M.Tech I semester (2020 Adm. Batch)			
	Appeared all subjects	Passed	Failed	Pass %
M.Tech (CSE)	4	1	3	25.00
M. Tech(ES)	3	3	0	100.00
M. Tech(VLSI SD)	3	3	0	100.00
M.Tech (PE&ED)	1	1	0	100.00
M.Tech(CAD/CAM)	7	7	0	100.00
Total Pass	18	15	3	83.33

B.Tech III Year –II Semester Regular (R19) Examinations Results Analysis –August -2021

Branch	III year II semester (2018 Adm. Batch)			
	Appeared all subjects	Passed	Failed	Pass %
Civil Engineering	120	95	25	79.17
Electrical and Electronics Engineering	128	80	48	62.50
Mechanical Engineering	257	176	81	68.48
Electronics and Communications Engineering	322	259	63	80.43
Computer Science and Engineering	197	170	27	86.29
Information Technology	53	46	7	86.79
TOTAL	1077	826	251	76.69

B.Tech II Year –II Semester Regular (R19) Examinations Results Analysis –August -2021

Branch	II year II semester (2019 Adm. Batch)			
	Appeared all subjects	Passed	Failed	Pass %
Civil Engineering	120	60	60	50.00
Electrical and Electronics Engineering	130	57	73	43.85

Mechanical Engineering	239	112	127	46.86
Electronics and Communications Engineering	338	136	202	40.24
Computer Science and Engineering	208	141	67	67.79
Information Technology	64	38	26	59.38
TOTAL	1099	544	555	49.50

Based on the results II – I, III-I and II-II results were very poor specially in II year II semester. Due to Covid Pandemic Class room teaching is effected and Remedial classes were not conducted properly. Attendees decided to identify Slow learner and conduct special classes during supply examination and also concentrate on regular examinations

9. Item no 9: Review of Student and Staff Activities

IQAC Coordinator Explained due to Covid Pandemic online certifications and courses from student and staff activities were around 4236 which include Coursera, LinkedIn, and AICTE FDP courses.

10. Item no 10: Review of research Activities.

Research Papers Published :

The following have published papers in SCI / SCI expanded, Scopus Indexed and UGC recognized journals

Dept	SCI Expanded Journals	E SCI / WOS Journals	SCOPUS Indexed Journals	UGC Approved	Others / Communicated and Under Review	Total
EEE	--	--	--	03	--	03
MECH	01	01	02	--	01	05
ECE	01	--	06	01	--	08
CSE	--	14	--	--	--	14
IT	--	--	--	14	--	14
BS&H	01	--	04	--	05	10
Total	03	15	12	18	06	54

A. Radha Krishna



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INTERNAL QUALITY ASSURANCE CELL (IQAC)

Date: 15-06-2021

Circular

A meeting is convened with the members of IQAC Committee at 02:00 PM on 19-06-2021 through online Teams App to discuss the following agenda. All the committee members are requested to make it convenient to attend the meeting and also requested all the HoDs to attend the meeting.

Agenda:

1. Review on action taken on minutes of previous committee meeting
2. Discussion on preparation of Annual Report of AQAR 20-21
3. IQAC Year Plan for New Academic Year
4. Discussion on Organizing events in Covid Scenario
5. Student Induction program for fresher's
6. NPTEL courses student enrolment
7. Discussion on Result Analysis
8. Review of Student and Staff Activities
9. Review of research Activities.
10. Any other item


Principal

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INTERNAL QUALITY ASSURANCE CELL (IQAC)

Minutes of IQAC – Meeting No. 36 dated on 19th June 2021

IQAC meeting is held through online dated on 19th June 2021 at 2:00 P.M under chairmanship of Dr.S.Sambu Prasad, Principal, Pragati Engineering College, to discuss following agenda and to adopt resolutions.

Dr.S.Sambu Prasad, Principal Congratulated all the members for their effective participation and work during NBA Visit on 9th-11th April 2021. As per NBA Peer review committee Institution is confident to have 5 branches accredited.

Dr. A Radha Krishna, Assoc. Prof. of CSE, IQAC Coordinator welcomed all the members initiated the Proceedings

1. Item No 1: Review on action taken on minutes of previous committee meeting

Suggestion in previous IQAC Meeting	Action Taken
I-II results for CE, EEE, ME and ECE are very poor due to Covid Circumstances, measures to be taken for improvement of result	All the course teachers had prepared question bank with answers and also video tutorials for difficult topics. Offline remedial and makeup classes are conducted for the students who have not attended due to poor internet

2. Item No 2: Discussion on preparation of Annual Report of AQAR 20-21.

Dr.S.Sambu Prasad, Principal requested IQAC coordinator to start preparing for AQAR 2020-21 and directed all HODs to give relevant data for AQAR online data submission

3. Item No 3 : IQAC Year Plan for New Academic Year

After Reviewing the previous year's IQAC plan and assess its effectiveness in achieving the desired outcomes. IQAC Identified the key areas to focus for the upcoming academic year, based on the institution's strategic goals and objectives and suggested specific activities, timelines, and responsible parties.

IQAC Approved action Plan for Academic Year 2021-22

4. Item No: 4 Discussion on Organizing events in Covid Scenario

After Covid outbreak in month of April 2021, Online Classes were arranged for the students to complete the pending syllabus and conducted various activities to improve pass percentage.

Committee also requested HODs to organize events like Quiz, Group Discussions, online Guest lectures and to encourage students and staff to complete certification courses

5. Item no 5: Student Induction program for fresher's

The COVID-19 pandemic has presented significant challenges for our institution. To conduct student induction programs for freshmen we need a careful planning and implementation of appropriate measures. So, to conduct an effective induction program that meets the needs of freshmen while ensuring their safety, Chairperson of IQAC directed HODs to prepare a action plan for induction program.

6. Item no 6: NPTEL courses student enrolment

Due to COVID-19 pandemic, as physical classroom-based learning is not possible, the importance of NPTEL courses has increased significantly which allowed students to continue their education without compromising their safety or academic progress. So HODs are instructed to motivate staff and students to enrol in NPTEL courses during COVID-19 as it helps for their academic growth and development.

7. Item no 7: Discussion on Result Analysis

B.Tech IV Year I Semester Regular Examinations(R16) Results Analysis –March -2021

Branch	IV year I semester (2017 Adm. Batch)			
	Appeared all subjects	Passed	Failed	Pass %
Civil Engineering	122	89	33	72.95
Electrical and Electronics Engineering	137	98	39	71.53
Mechanical Engineering	275	189	86	68.73
Electronics and Communications Engineering	338	243	95	71.89
Computer Science and Engineering	193	159	34	82.38
Information Technology	55	47	8	85.45
Total	1120	825	295	73.66

Overall Result of all Branches are good and requested HODs to conducted remedial classes for failure students.

8. Item no 8: Review of Student and Staff Activities

HODs are requested to prepare an action plan for students and staff activities to be conducted for academic year 2021-22 separately and submit to IQAC on or before 25th June 2021.

All teachers are requested to prepare for ICT based classroom teaching in view of Covid outbreak

9. Item no 9: Review of research Activities.

Dr.S.Sambu Prasad, Principal congratulated all the members for getting Research centre for ECE, CSE, EEE, MECH and Chemistry branches for of period of 2 years i.e, 2021-22 and 2022-23.

HODs are requested to motivate faculty to publish papers in UGC Care/ Scopus and web of science.

IQAC decided to recommend to avail seed money to the researchers in the new academic year

10. Any other item

- a) In the context of pandemic it is decided to organize all possible events in online mode.
- b) Necessary modifications were to be made to the strategic plan in the light of new education policy (directed to IQAC coordinator)
- c) Student Satisfactory survey for academic year 2020-21 to be completed by 25th june 2021.
- d) NCC and NSS In-charges are advised to conduct awareness session regarding Covid Pandemic in nearby villages and Schools.

A.Radhakrishna

Sambu Prasad
PRINCIPAL

