

# PRAGATI ENGINEERING COLLEGE

(Autonomous)

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

(Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada)

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

Ph: 08852 – 252233, 34. Website: [www.pragati.ac.in](http://www.pragati.ac.in)

## INTERNAL QUALITY ASSURANCE CELL (IQAC)

Date: 18-07-2023

### Circular

A meeting is convened with the members of IQAC Committee at 02:00 PM on 22-07-2023 at Conference Hall to discuss the following agenda. All the IQAC members are requested to attend the meeting to discuss various activities. All departments HoDs are requested to attend the meeting without effecting the classwork.

#### Agenda:

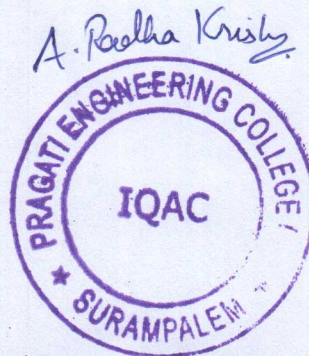
1. Review on action taken on minutes of previous committee meeting
2. Discussion on NAAC SSR Submission
3. Review of Result Analysis
4. Review of Student and Faculty Activities
5. Review of Research Activities
6. Review on Training and Placement Activities
7. Review of Quality Policies
8. Any other item

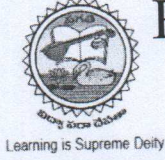
#### Copy to:

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

Principal

**PRINCIPAL**  
**PRAGATI ENGINEERING COLLEGE**  
**(AUTONOMOUS)**  
# 1-378, ADB ROAD, SURAMPALEM  
Near Peddapuram, E.G.Dt. (AP)-533 437





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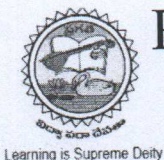
## INTERNAL QUALITY ASSURANCE CELL (IQAC)

### Minutes of IQAC – Meeting No. 44 dated on 22<sup>nd</sup> July 2023

The following members attended the Meeting

S.No.	Name of the person	Designation
1.	Dr. K. Satyanarayana	Chairperson
2.	Sri M V Haranatha Babu, Director (Mgmt)	Member from Employer
3.	Dr. A Radha Krishna, Associate Professor of CSE (AIML)	Coordinator
4.	Mr. V Prasanth, Assoc. Prof. of ECE	Co-Coordinator
5.	Mrs. B Vasantha Lakshmi, Assoc. Prof. of ECE	Faculty representative
6.	Mr. A Ravi Teja, Asst. Prof. of CE	Faculty representative
7.	Mr. A Janardhana Rao, Asst. Prof. of CSE	Faculty representative
8.	Ms. S Vara Lakshmi, Asst. Prof. of EEE	Faculty representative
9.	Mrs. T Ganga Bhavani, Asst. Prof. of IT	Faculty representative
10.	Mr. B Hari Krishna, Asst. Prof. of ME	Faculty representative
11.	Mr. G Bhaskara Rao, Asst. Prof. of BSH	Faculty representative
12.	Mr. G K V V Nageswara Rao	Member from local society
13.	Mr. M. Srinivas, MD, Sri Lalitha Enterprises Industries Pvt Ltd	Member from Industry
14.	Mr. Sesha Sai	Alumni member
15.	Mr. Devu Raja Sekhar (20A31A0274)	Student representative
16.	Mr. P Lakshmi Sowjanya (20A31A0484)	Student representative

Handwritten signatures and initials next to the table rows, including names like 'huz', 'A', 'ARB', 'K', 'Basantia', 'A', 'A', 'S', 'B', 'H', 'S', 'S', 'P.R. Sekh', and 'Sow'.



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## INTERNAL QUALITY ASSURANCE CELL (IQAC)

### Minutes of IQAC – Meeting No. 44 dated on 22<sup>nd</sup> July 2023

IQAC meeting is held at conference hall dated on 22<sup>nd</sup> July 2023 at 2:00 P.M under the Chairmanship of Dr. K. Satyanarayana, Principal, Pragati Engineering College (Autonomous), to discuss following agenda and to adopt resolutions.

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

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

- i. College was awarded **Best Performing Institute 2022 (Andhra Pradesh & Telangana Zone)** for exemplary contribution and outstanding performance in **EduSkills Centre for Excellence (CoE)**.
- ii. College is ranked at **2<sup>nd</sup> position in the Country** in the **AICTE - EduSkills Virtual Internship** (4<sup>th</sup> Cohort- Dec 2022 to Feb 2023 and 3<sup>rd</sup> Cohort – July to September 2022).
- iii. **2023 outgoing batch of students secured 1097 placement offers** in various MNCs as on date.
- iv. Institution Innovation Council (IIC) of Pragati Engineering College received **2.5 star** in **5-star** rating scale and conducted 37 activities towards developing Entrepreneurship. Startup, IPR, Innovation ecosystem during the period July 2022 to April 2023.
- v. A total of **1553 students are allotted with Microsoft Licenses for Microsoft Certification Courses** under Microsoft Upskilling Program.
- vi. **Mr. G Satya Mohan Chowdary**, Asst. Prof of IT dept, received **Educator Excellence Award** from **PaloAlto - Eduskills**
- vii. **Mr. M. V. Rajesh**, Assoc. Prof. and HoD of CSE (DS), SPOC - SWAYAM NPTEL LOCAL CHAPTER received the Letter of Appreciation from NPTEL Coordinator, IIT Madras for coordinating NPTEL - Soft Skills Training Program from 12<sup>th</sup> to 17<sup>th</sup> June, 2023 in a successful manner.
- viii. Mr. Sri Siva Lakshmana Reddy (20A31A05G8) of CSE is selected as **Google Developer Student Club Lead**.
- ix. Mr. V. Surya Satish (20A31A0563) of CSE is appointed as **the Chapter Lead for GreeksforGeeks** for the academic year 2023.

- x. Ms. Adapa Chaturya (19A31A0565) of CSE selected as **Microsoft Gold Student Ambassador, Google Career Readiness Program.**
- xi. Mr. Vasala Devi Pradeep (20A31A1261) of III year B.Tech IT department recognized as **Internshala's Campus Ambassador Program – Internshala's Student Partner (ISP) 31 edition** and ranked **29** out of **91,509** students across India.
- xii. A total of **46 students have nominated** for various **APSCHE Student Excellence awards 2023.**

**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 2023-24 Academic Year	Completed and circulated among students and Faculty
IQAC Year plan for the AY	Departments are advised to prepare action plans for executing various activities for the faculty and students
Discussion on Result Analysis	Departments are advised to concentrate on slow learners and conduct the necessary remedial classes for those to improve the pass percentage

**2. Item No 2: Discussion on NAAC SSR Submission**

The Accreditation team, Mr. V Prashanth, Associate Prof. ECE, Mr. T Sekhar, Assistant Prof. of ECE and Mr. GVN Santhosh, Associate Prof. of ME has produced the relevant data to the committee regarding the final submission of the NAAC SSR and the committee has approved to go for the submission.

**3. Item No 3: Review of Result Analysis**

Dr. Y Jayababu, Controller of Examinations, presented the student results for the members to review

**a. Regular Examinations**

**IV B.Tech II Semester Regular Examinations (R19), April 2023**

Branch	IV year II semester (2019 Adm. Batch)			
	Appeared all subjects	Passed	Failed	Pass %
Civil Engineering	117	113	04	96.58
Electrical and Electronics Engineering	135	124	11	91.85
Mechanical Engineering	237	220	17	92.83
Electronics and Communications Engineering	347	327	20	94.24
Computer Science and Engineering	209	193	16	92.34
Information Technology	62	56	06	90.32
<b>Total</b>	<b>1107</b>	<b>1033</b>	<b>74</b>	<b>93.32</b>

**b. Details of Supplementary Examinations Results**

S.No.	Name of the Examination	No. of Students Appeared	No. of Students Passed	Pass %
1.	III B.Tech II Semester Supplementary(R16) June 2022	138	74	53.62
2.	II B.Tech II Semester Supplementary(R16) June 2022	110	54	49.09
3.	II B.Tech II Semester Supplementary(R19) June 2022	340	116	34.12
4.	II B.Tech I Semester Supplementary (R16) July 2022	74	34	45.95
5.	II B.Tech I Semester Supplementary(R19) July 2022	153	47	30.72
6.	II B.Tech I Semester Supplementary(R20) July 2022	398	207	52.01
7.	III B.Tech I Semester Supplementary(R16) July 2022	104	58	55.77
8.	III B.Tech I Semester Supplementary (R19) July 2022	316	168	53.16
9.	I B.Tech I Semester Supplementary (R16) August 2022	20	10	50.00
10.	I B.Tech I Semester Supplementary (R19) August 2022	42	8	19.05
11.	I B.Tech I Semester Supplementary (R20) August 2022	387	181	46.77
12.	I B.Tech II Semester Supplementary (R16) August 2022	35	12	34.29
13.	I B.Tech II Semester Supplementary (R19) August 2022	116	40	34.48
14.	I B.Tech II Semester Supplementary (R20) August 2022	229	107	46.72
15.	IV B.Tech II Semester Supplementary (R16) August 2022	78	58	74.36
16.	M.Tech II Semester Supplementary (R19) September 2022	4	4	100.00
17.	IV B.Tech I Semester Supplementary (R16) November 2022	83	48	57.83
18.	III B.Tech I Semester Supplementary (R16) December 2022	45	23	51.11
19.	III B.Tech I Semester Supplementary (R19) December 2022	148	54	36.49
20.	II B.Tech II Semester Supplementary (R16) December 2022	52	25	48.08
21.	II B.Tech II Semester Supplementary (R19) December 2022	228	83	36.40
22.	II B.Tech II Semester Supplementary (R20) December 2022	285	141	49.47
23.	III B.Tech II Semester Supplementary (R16) December 2022	59	40	67.80
24.	III B.Tech II Semester Supplementary (R19) December 2022	200	124	62.00
25.	II B.Tech I Semester Supplementary (R16) January 2023	30	12	40.00
26.	II B.Tech I Semester Supplementary (R19) January 2023	101	31	30.69
27.	II B.Tech I Semester Supplementary (R20) January 2023	198	96	48.48
28.	I B.Tech II Semester Supplementary (R16) February 2023	19	12	63.16
29.	I B.Tech II Semester Supplementary (R19) February 2023	77	27	35.06
30.	I B.Tech II Semester Supplementary (R20) February 2023	402	147	36.57
31.	I B.Tech I Semester Supplementary (R16) February 2023	5	0	0.00
32.	I B.Tech I Semester Supplementary (R19) February 2023	38	6	15.79
33.	I B.Tech I Semester Supplementary (R20) February 2023	188	77	40.96
34.	M.Tech I Semester Supplementary(R19) March 2023	1	1	100.00
35.	IV B.Tech I Semester Supplementary (R16) March 2023	32	14	43.75
36.	IV B.Tech I Semester Supplementary (R19) March 2023	149	91	61.07
37.	IV B.Tech II Semester Supplementary (R16) April 2023	23	11	47.83

**c. Details of eligible candidates for the issue of Provisional Certificates**

S. No.	Branch/Specialization	No. of students				Total
		Total Appeared	First Class with Distinction	First Class	Second Class	
1	Civil Engineering	117	43	49	2	94
2	Electrical and Electronics Engineering	136	39	58	14	111
3	Mechanical Engineering	240	69	91	11	171
4	Electronics and Communications Engineering	348	126	139	8	273
5	Computer Science and Engineering	210	122	57	1	180
6	Information Technology	62	30	23	0	53
<b>Grand Total</b>		<b>1113</b>	<b>429</b>	<b>417</b>	<b>36</b>	<b>882</b>

#### 4. Item No 4: Review of Student and Faculty Activities

##### Student Participation in the last AY.

S. No.	Event	Total
1.	Paper Publications	152
2.	Poster Presentation	90
3.	Project display	88
4.	Workshops	33
5.	Innovative Design Ideas	25
6.	Online Quiz	130
7.	Tricky loops	93
8.	Sports	194
9.	Essay Writing	118
10.	Build the circuit	117
11.	Coding and debugging	164
12.	Technical JAM (Art)	16
13.	Publications-International Journals	348
14.	Technical Competitions	25
15.	Group Discussions	40
16.	Other Events	288
<b>TOTAL</b>		<b>1921</b>
<b>Awards won</b>		<b>220</b>

##### Faculty Activities in the last AY.

S. No	Event	Total
1.	Workshops	7
2.	Paper Publications	170
3.	FDPs Attended	37
4.	Seminar / Webinars	4
5.	Offline / Online Conferences Attended	13
6.	NPTEL Certifications	3
7.	Coursera Certifications courses / Courses Completed	8
8.	Ph. D Awarded	2
9.	Patents	8
10.	Book Chapter Publications	10
11.	Guest Lectures delivered	2
12.	Faculty Trained by Industry / Training Programmes attended	6
13.	Articles Reviewed	12
14.	Other Activities	10
<b>TOTAL</b>		<b>292</b>

#### 5. Item No 5: Review of Research Activities

##### Research Papers Published:

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

Dept	SCI Expanded Journals	SCOPUS Indexed Journals	UGC CARE Journals	Others / Communicated and Under Review	Total
EEE	2	1	26	-	29
ME	2	1	64	2	69
ECE	1	2	2	1	6
CSE	1	1	-	42	44
IT	2	-	17	2	21

BS&H	--	1	--	--	1
<b>Total</b>	<b>8</b>	<b>6</b>	<b>109</b>	<b>47</b>	<b>170</b>

**Patents Filed / Published:**

S.No.	Dept	Name of Faculty	Title of Innovation	Published/ Filing details	Date & Reference No
1	IT	Dr. D. Sirisha, Dr. S. Sambhu Prasad & Dr. Subodh Kumar Panda	Machine Learning based Plant Disease Identification and Treatment Suggestion System	Published	Publication Date: 01-07-2022 Application No. 202041056517
2	IT	Dr. D. Sirisha, Dr. S. Sambhu Prasad & Dr. Subodh Kumar Panda	Intelligent System Designing for Optimizing Fuel and Utilization through Minimizing Indirect Losses on Enhancing Efficiency of Power Plant	Published	Application No. 202041056516. Publication Date: 01-07-2022
3	CE	Dr. K. Saroja Rani Ms. A. Srividya Shanmukha Sastry	Implementation of Green Internet of things (IOT) for Eco-friendly and Sustainable Smart Cities	Published	ISSUE NO. 02/2023 Publication Date: 13/01/2023
4	ECE	Dr. S. Koteswari	"Improved handling of Electronic Messages with Attachments in the Cyber security Systems"	Published	Application No.202241066081 A The Patent Office Journal No. 51/2022 Dated 23/12/2022
5	ECE	Mrs. B. Vasantha Lakshmi	Hybrid ultra-fast E vehicle charging station with cloud- based battery management	Published	202241044435
6	ECE	Dr. J Sharon Rose Victor	Combined Integer and Discrete Wavelet Transform with Harris Hawks Optimization for Color Image Watermarking	Filed on 02-09-2022	POJNo.35/2022
7	ME	Dr. Avinash G	A smart and Collapsible Space – Saving Head Guard for Riders	Published	07/04/2023 202341020328
8	ME	Dr. Avinash G	An Artificially Intelligent Computational Fluid Dynamics System and Method for Smart Valves	Published	16/12/2022 202241071000

**Details of various Major Research Projects sanctioned with Financial Grant by Funding Agencies**

S.No.	Title of the Proposal	PI and Co-PI Details	Scheme	Funding Agency	Financial Grant sanctioned	Present Status
1	Spatial Distribution of Uranium and Associated Water Quality Parameters in Ground water/Drinking water of Four districts West Godavari, Krishna of A.P and	1. Mr. P.Satyanarayana 2. Dr. P.V.S. Machiraju	36(4)/1 4/24/20 17- BRNS/ 36195 dated 08-12- 2017	BRNS, BARC, Mumbai	Rs. 30,63,727	Completed and Report submitted on 30-11-2022

	Khammam and Warangal of Telangana					
2	Enhancement of Tribal People Livelihood through Intervention of Banana Fiber Handicrafts (STI Hub for ST Scheme R&D)	Principal Investigator: Dr. M Radhika Mani HoD CSE, Co-Investigators: Dr. G Satish Assoc. Prof. of ME Dr. R Dharmalingam Assoc. Prof. of ME Dr. T Srikanth, Prof. of ME, Ideal Institute of Technology Mr. S Vamsi Kiran Assoc. Prof. Mgmt. Science	SEED-TSP	DST	Rs 71,09,460/-	Ongoing  Ref No: DST/SEED /TSP/STI/2 020/335
3	“Socio-economic upliftment of SC communities through Cultivation and Sustainable utilization of <i>Azolla</i> and <i>Microalgae</i> Biomass as Cattle and Fish feed”	PI: Dr. P V S Machiraju Co PI 1 Mrs. R Amulayam Co PI 2 Mr. P Raj Shekhar Phaneendra Co PI 3 Dr. S Sambhu Prasad	DST /SEED/ SCSP/S TI/2020 /429	DST Ministry of Science & Technology New Delhi	Rs. 82,51,132/-	Ongoing

**Details of Proposals submitted to DST, AICTE for sanction of Financial Grant**

S No	Title of the Proposal for the Scheme	PI and Co-PI Details	Funding Agency	Financial Grant requested	Submission Date	Status
1	Demonstration and Popularization of Science through Exhibits, Models and Awareness for the Tribal Government School Students of East Godavari District, Andhra Pradesh” (TPN / 81687	1.Dr. A. Radha Krishna 2.Dr. D.V.Manjula 3.Mr. M.V. Rajesh 4.Mrs.T. Tejaswi	DST Under STEM -India Initiative (Bharat Vigyan Darshan)	Rs. 36,07,320	11-03-2023	Approved  Awaiting the release of grant

**6. Item No 6: Review on Training and Placement Activities**

**Placements**

Year	Total Offers	Highest CTC	Average CTC	No. of companies recruited	No of offers more than 5 LPA
2022-23	1097	29.26	3.53 LPA	44	58

**Category/Industry wise**

Year	No. of companies recruited	IT	Core	EdTech	ITES	Others
2022-23	44	30	11	3	-	-



**Dept. wise Placements**

2022-23							
Particulars	Civil	EEE	Mech	ECE	CSE	IT	Total
Total No. of students	120	137	245	350	210	64	1126
No. of Eligible students	91	88	149	255	189	51	823
% of Eligible students	75.83	64.23	60.82	72.86	90.00	79.69	73.09
<b>No. of offers</b>	<b>70</b>	<b>116</b>	<b>214</b>	<b>361</b>	<b>270</b>	<b>66</b>	<b>1097</b>
No. of placed students	54	86	148	252	169	48	757
% of students placed out of Eligible students	59.34	97.73	99.33	98.92	89.42	94.12	91.98
% of students placed out of Total students	45.00	62.77	60.41	72.00	80.48	75.00	67.23

**Company wise Placements – 2023 graduating batch\***

S.No.	Name of the company	No of Offers	CTC (in lakhs)
1	Amazon	2	29.26
2	Cisco	1	17.39
3	Flipkart	2	13.52
4	IBM	1	11.5
5	HP	4	11.00
6	Factset	1	10.08
7	Velocity Clinical Research	1	10.00
8	Intellipaat	7	9.00
9	EPAM	4	8.00
10	Keka Technologies	4	8.00
11	Searce	1	7.50
12	Zenoti	1	7.50
13	IBM	1	7.25
14	Virtusa	1	7.00
15	TCS-Digital	11	7.00
16	Unschool	7	6.50
17	Accenture	5	5.41
18	Hyundai Motor India Engineering Pvt. Ltd. R&D	2	5.00
19	Deloitte	1	4.50
20	DXC	243	4.20
21	Tvarana	9	4.00
22	Hexaware	71	4.00
23	Big Works	1	4.00
24	TechMahindra	7	4.00
25	MagikMinds	11	4.00
26	Unistring Technologies	1	4.00
27	Rane Group	2	4.00
28	Accenture	1	3.83
29	Infosys	8	3.60
30	TCS (Code Vita)	6	3.50
31	Savantis	87	3.50
32	Vem Technologies Pvt. Ltd.	3	3.50
33	Movate	6	3.50
34	GeekBull Consulting	4	3.50
35	TCS-Ninja	32	3.36
36	Vintrus	218	3.00
37	CarTrade	6	3.00
38	Mindbrink Media Pulse Pvt. Ltd.	7	3.00

39	QhTalbro	54	3.00
40	Teleperformance for Google Drive	213	2.24
41	Sun Vacuum Formers Private Limited	17	2.16
42	Jytra Technologies Solutions Pvt. Ltd.	7	2.00
43	Dong Eh Electrical	16	2.00
44	Woory Automotives India Pvt. Ltd.	10	2.00
<b>Total</b>		<b>1097</b>	

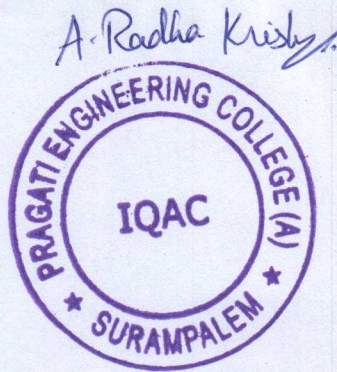
### Industry Initiatives

S.No	Industry Collaboration	Status	2020-24 batch	2021-25 batch	2022-26 batch	Total
1	AWS- Cloud	Completed	51			51
2	AWS- AIML	Completed	495			495
3	AWS- Data Analytics	Completed	29			29
4	Alteryx - Data Analytics Process Automation	Completed	261			261
5	Celonis - Process Mining	Completed		71		71
6	Paloalto - Cyber security	Completed		455		455
7	Juniper- Networking	Completed		332		332
8	Juniper- Networking Cloud	Completed		87		87
9	Blue Prism - Robotic Process Automation (RPA)	Completed			369	369
10	L4G-Google-CDL	Completed		200		200
<b>Total</b>			<b>836</b>	<b>1145</b>	<b>369</b>	<b>2350</b>

#### 7. Item No 7: Review of 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.

#### 8. Item No 8: Any other Item



*[Signature]*  
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